

PW CABLE TRAY

Built to Handle the Load

QUALITY AND INNOVATION FOR OVER 60 YEARS.

Cable tray, introduced in the mid 1940's, has proved to be a very efficient cable management solution. It provides system flexibility and expandability with substantial savings in installation labor and material costs. For more than six decades the PW brand has played a leadership role in the cable tray industry, providing advanced cable management solutions.



Our latest innovation is ltray. It's aluminum cable tray that been redesigned with stronger side rails and faster splicing options to streamline the engineering, purchasing and installation of cable tray. And continue to look to PW cable management to support extremely heavy cabling and bridge roadways, our exclusive long span/heavy duty cable tray is designed with up to 10" I-beam side rails that can span up to 50' and meet exacting industry and load standards.

Legrand continues to provide contractors and end users with the specific products they need — from standard designs to custom-built products. With our national distribution partnerships and our manufacturing facilities in North America, we are perfectly positioned to supply any sized project — offering excellent service with the best lead times in the industry.

INTRODUCTION

B.1

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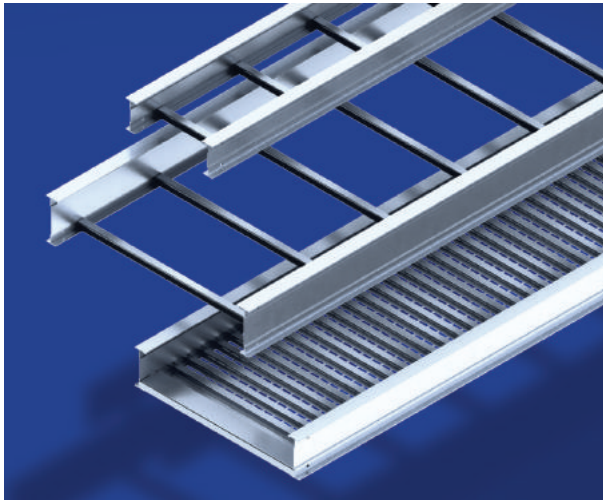
PW CABLE TRAY SYSTEMS



NEW ITRAY ALUMINUM LADDER, TROUGH AND SOLID BOTTOM SYSTEMS

Itray is the newest addition to the PW Line of cable tray products. It was designed to streamline the engineering, purchasing and installation of cable tray. Itray replaces our current "C" aluminum 4" to 7" side rail height cable tray line.

Itray's patent-pending, all-aluminum construction features a space saving I-beam design, a side rail engineered with structural offsets and a matching splice. The I-beam design minimizes total tray width and creates a smooth transition between straight sections and fittings. And Itray splices reduce hardware needs by 50%. These features allow Itray to be installed up to 30% faster than standard tray.



SPLICING MADE EASY

The structural offset side rail and splice design makes a splice that is strong and easy to install. The stronger splice allows mid-span splicing while maintaining full NEMA load class. This simplifies the design process and reduces the overall number of spliced sections that require jobsite fabrication. During installation the splice simply snaps in place and keeps tray sections aligned while the installer inserts and tightens 4 bolts. Itray's all aluminum construction features a space saving I-beam design, a side rail engineered with structural offsets and a matching splice. The I-beam design minimizes total tray width and creates a smooth transition between straight sections and fittings. And Itray splices reduce hardware needs by 50%. These features allow Itray to be installed up to 30% faster than standard tray.



Patent Number – 9.209.609

STRONGER I-BEAM RUNG DESIGN



Itray also features the strongest rungs in the industry. It's I-beam design reduces twist and deflection under load and heavier I-beam rungs are standard on wider tray without special order.

SMOOTHER FINISHED INSTALLATIONS

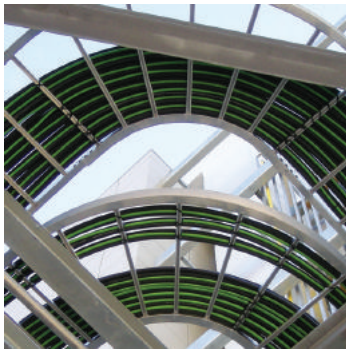
Itray straight sections and fittings match perfectly creating a smooth side rail edge for a natural cable pathway that makes pulling cable easier and with less chance of damage to the cable sheath. Itray features



a 3" tangent that follows industry standards and the symmetric side rail design allows smooth ceiling to wall transitions without the need for field fabrication. Transition splices are available for older, existing installations.



VIEW THIS VIDEO FOR A COMPLETE PRESENTATION ON ITRAY



METALLIC AND FIBERGLASS LADDER, TROUGH AND SOLID BOTTOM SYSTEMS

PW cable tray is a fabricated structure consisting of two side rails connected by individual rungs or bottom. Side rails are 4" to 10" high. Widths are 6" to 36". Bottom options include Ladder, Vented Corrugated Bottom, Solid Corrugated Bottom, and Flat-Sheet Solid Bottom designs.

A wide range of load and span designations are available for every possible application, from trays for commercial use where spans over 8' are required, to trays for longer spans required in industrial applications. Also available are trays built for extremely long spans – up to 50' – for special applications like roadway crossings and pipe bridges.

Our product line includes trays, fittings, covers, firewall penetration sleeves, and other accessories. These products are available in hot-dipped galvanized steel. For extremely corrosive applications we have product lines in 304 and 316 stainless steel or polyester and vinylester fiberglass.



CHANNEL TRAY

Channel tray is a one-piece ventilated or solid-bottom cable tray with sizes up to 6" wide. It is commonly used for small runs of cable or for drops from main cable tray runs to equipment or junction boxes. These products are available in aluminum, mill galvanized steel and hot-dipped galvanized steel. For extremely corrosive applications we have products in 304 and 316 stainless steel or polyester and vinylester fiberglass. A complete line of accessories is available, including covers and fittings in 12" to 36" radius.



CABLE RUNWAY

Cable Runway is available in a lightweight version with tubular side rails and a solid bar side rail option for maximum support strength. Both styles have tubular steel rungs. Commonly used in telecommunication, voice, and data applications, runway is typically mounted directly above or to computer racking systems, enclosures, and relay rack cabinets. Cable Runway is available in yellow-zinc dichromate as required for UL Classified installations as an equipment ground conductor, and a range of powder-coated finishes.

PW CABLE TRAY

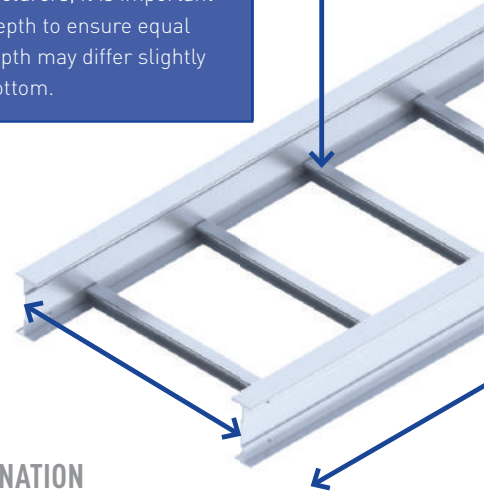
Understanding Our Products

TRAY OPTIONS

It is essential to consider the type and quantity of cables to be installed in the cable tray when planning your project. Refer to Article 392 of the National Electrical Code (NEC) for guidelines on calculating the cable tray depth and width.

LOAD DEPTH: Interior depth of the cable tray that is available for cable fill. Specifications for cable trays should include a specific requirement for the tray load depth. Due to design variations between different manufacturers, it is important to specify an exact load depth to ensure equal performance. The load depth may differ slightly based on choice of tray bottom.

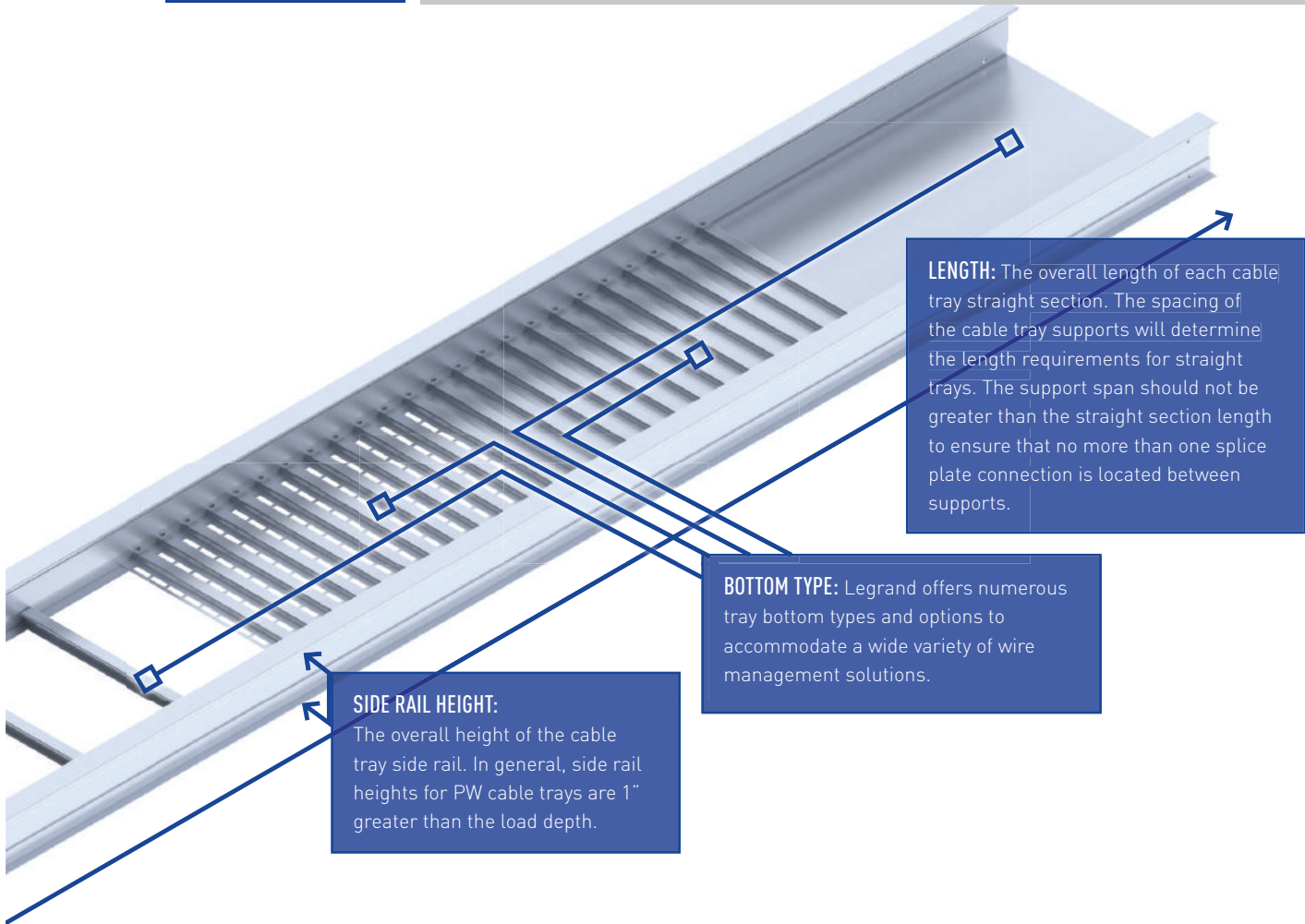
WIDTH: Interior width of the tray or channel that is available for cable fill.



LOAD/SPAN CLASS DESIGNATION

THE LOAD/SPAN CLASSIFICATION describes the cable tray's load-carrying capability for a specific support span. A classification should be selected that reflects the actual working load and support span for each application. This designation directly affects the cost of the tray, so the proper selection is essential to determine the most economical cable tray system necessary for each project. Please consult with Legrand for working loads and support spans that fall outside the boundaries of the Load/Span Classes shown.

CONCENTRATED STATIC LOAD: In addition to an evenly distributed cable load, it is occasionally required that the cable tray system be capable of supporting a concentrated static load. A concentrated static load represents a static weight applied on the centerline of the cable tray at midspan. The concentrated static load in lbs. may be converted to an equivalent uniform load (We) in lbs./ft., using the following formula, and added to the static weight of cables in the tray. A NEMA Load Class can then be selected that reflects the combination of the cable load and converted static load.



$$W_e = \frac{2 \times (\text{concentrated static load, lbs.})}{\text{support span length, ft.}}$$

Example: A 200 lb. concentrated load is to be applied to a cable tray that is supported on a 12 ft. support span. Using the formula above, the equivalent uniform load $W_e = 2 \times 200 / 12 = 33$ lbs. per linear foot. This should be added to the anticipated cable load to determine the appropriate Load/Span Class for the cable tray.

Note: To accommodate concentrated loads, some circumstances may require cable trays to have reinforced side rails or bottom members. Therefore, it is recommended that you consult with Legrand when considering concentrated loads or any other special cable tray loading requirements.

LOAD/SPAN CLASS DESIGNATIONS				
WORKING LOAD lbs/ft (kg/m)	SUPPORT SPAN, ft. (m)			
	8 ft. (2.4 m)	10 ft. (3.0 m)	12 ft. (3.7 m)	20 ft. (6.0 m)
25 (37)	—	A	—	—
45 (67)	—	—	—	D
50 (74)	8A	—	12A	20A
65 (97)	—	C	—	—
75 (112)	8B	—	12B	E or 20B
100 (149)	8C	—	12C	20C
120 (179)	—	D	—	—
200 (299)	—	E	—	—

WORKING LOAD: Total load of cables installed and uniformly distributed in the cable tray.

SUPPORT SPAN: Maximum distance between cable tray supports.

CLASSES 8, 12, 20 / A, B, C: NEMA designations, published by the National Electrical Manufacturers Assoc. in Standard VE1.

CLASSES A, C, D, AND E: CSA designations, published by the Canadian Standards Association in Standard C22.2, No. 126.

PW CABLE TRAY

FITTINGS, ACCESSORIES AND HARDWARE

A complete cable tray system includes fittings, accessories, supports, and hardware. Consider the following components when designing a cable tray system:

FITTING RADIUS: The nominal bend radius for fittings should not be less than the minimum allowable bending radius for the cables to be installed in the tray. Cable manufacturers typically publish the minimum bending radius as a multiple of the cable diameter.

EXPANSION CONNECTORS AND SUPPORTS: It is important to consider thermal expansion and contraction in the cable tray system, especially for outdoor applications. NEMA Standards Pub. VE2 addresses the proper installation and spacing of expansion connectors, expansion guides, hold down clamps, tray supports, and bonding jumpers.

COVERS: Cable tray covers are often needed to contain and protect tray contents. Carefully select a specific cover design and specify the proper attachment hardware needed for indoor, outdoor, or vertical installations.

DIVIDERS: In some applications, the NEC requires the use of tray dividers to separate cables. Multiple dividers can also easily help manage complex wiring systems.

GROUNDING: All aluminum and galvanized steel cable trays manufactured by Legrand are classified by UL as equipment grounding conductors with specific ampere ratings per NEC 392. To maintain electrical continuity, bonding jumpers should be installed at mechanically discontinuous locations and sized in accordance with the rating of the cable tray system.

HARDWARE: Screws, nuts, bolts, etc. for assembling cable tray connectors and accessories are normally provided in zinc plated or geomet steel, adequate for most applications. Some moist, outdoor, or corrosive environments may require the use of stainless steel hardware for better performance. All PW cable tray connectors and most accessories are available with optional Type 316 stainless steel hardware.

Ordering Our Products

MATERIALS

The selection of cable tray material depends on many factors including environmental conditions, corrosion resistance, aesthetics, and material handling.

		DRY INTERIORS	EXTERIORS	CORROSIVE	HIGHLY CORROSIVE	FASTENER FINISHES
A	ALUMINUM; MARINE GRADE; COPPER FREE ALLOYS 6063-T6, 5052-H32 & 3003	●	●			ZN GE S6
M	MILL GALVANIZED STEEL (Before Fabrication) ASTM A653 G90	●				ZN CD
Z	ELECTRO-GALVANIZED STEEL ASTM B633 SC2	●				ZN CD
G	HOT-DIP GALVANIZED STEEL (After Fabrication) ASTM A123		●	●		CD S6
L	STAINLESS STEEL AISI Type 304L			●		S4 S6
T	STAINLESS STEEL AISI Type 316L			●	●	S6
F	FIBERGLASS ASTM E-84 Class 1				●	S6 FG FE
PE	SPECIAL FINISHES ASTM D3451 (for powder paint only)	●	●	●		
C	COPPER					
N	NYLON					
V	VINYL					

● Recommended ● Possible

SPECIFYING YOUR ORDER

Itray Aluminum Tray

The numbering system for Itray Aluminum 4" to 7" tray is new and easier to use. Please review these examples before specifying your order.

ITRAY STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:				
BOTTOM TYPE	09-4	A12B-S	144-06	WIDTH
VENTED				06 - 6"
06 - 6" Rung Spacing				09 - 9"
09 - 9" Rung Spacing				12 - 12"
12 - 12" Rung Spacing				18 - 18"
VC - Vented Corrugated				24 - 24"
NON-VENTED				30 - 30"
SC - Solid Corrugated				36 - 36"
SB - Solid Bottom				
	RAIL HEIGHT	NEMA CLASS	LENGTH	
	4 - 4"		S120 - 120"	
	5 - 5"		S144 - 144"	
	6 - 6"		S240 - 240"	
	7 - 7"		S288 - 280"	
		MATERIAL		
		A		

Overall rail height is clearly marked with 4" to 7" heights available.

The tray material is listed as well. Currently Itray will only be offered in Aluminum. Stronger I-beam construction means no series choice is needed.

The tray system number is the same as the NEMA Class - no cross-reference needed.

ITRAY FITTING CATALOG NUMBERING EXAMPLE:				
BOTTOM TYPE	LD-4	A-90HB	12-06	WIDTH
VENTED				06 - 6"
LD - Ladder Rung				09 - 9"
VC - Vented Corrugated				12 - 12"
NON-VENTED				18 - 18"
SC - Solid Corrugated				24 - 24"
SB - Solid Bottom				30 - 30"
	RAIL HEIGHT	MATERIAL	FITTING DESCRIPTION	RADIUS
	4 - 4"		90° Horizontal Elbow	12 - 12"
	5 - 5"			24 - 24"
	6 - 6"			36 - 36"
	7 - 7"			
		A		

No complicated Fitting System Number or Product Number. The Fitting Description is now an abbreviated form of the product name.

Radius measurement is now clearly shown.

Itray
COMPATIBLE

Look for the Itray Compatible designation throughout the Ladder, Trough and Solid Bottom section of this catalog for products that also fit Itray specifications.

The numbering system for all other tray lines has not changed.

STRAIGHT SECTION CATALOG NUMBER			
09-1F54-0020-12			
BOTTOM TYPE	TRAY SYSTEM NUMBER	LENGTH	WIDTH
VENTED			
06 - 6" Rung Spacing		0010 - 10'-0"	06 - 6"
09 - 9" Rung Spacing*		0012* - 12'-0"	09 - 9"
12 - 12" Rung Spacing		0020* - 20'-0"	12 - 12"
18 - 18" Rung Spacing		0024 - 24'-0"	18 - 18"
VC* - Vented Corrugated			24 - 24"
NON-VENTED			30 - 30"
SC* - Solid Corrugated			36 - 36"
SF* - Solid Flat Bottom			
* Standard rung spacing			
† Not available for flange out tray			

FITTING CATALOG NUMBER			
Use 4-digit Fitting System No.			
BOTTOM TYPE	FITTING SYSTEM NO.	PRODUCT NO.	WIDTH
LD-6	G20	9012-24	
MATERIAL	FITTING SERIES	FLANGE DIRECTION	
G	1 - SERIES 1	I - Flange In	
L	2 - SERIES 2	O - Flange Out	
T			
SIDE RAIL HEIGHT			
4 - 4"			
5 - 5"			
6 - 6"			
7 - 7"			

INTRODUCTION

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LADDER, TROUGH & SOLID BOTTOM

ITRAY ALUMINUM TRAY

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- B.20** COVERS
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- B.78** ACCESSORIES



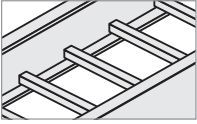
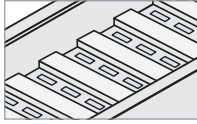
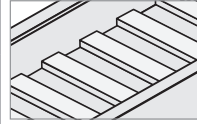
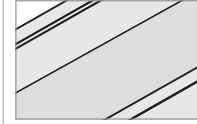
The PW Line of cable tray products is offered in a wide variety of sizes, designs and finishes to meet exacting industry standards. Choose from our extensive selection of rail, rung and bottom styles that are available in a variety of finishes. Also choose from fittings, accessories, fire stop systems and fasteners that will complete your installation.

Legrand representatives have the experience to insure that your cable management needs will be fulfilled on time and to your specifications.

MC POWER CABLE FILL TABLE

LADDER TRAY	MAX NUMBER OF CABLES PER CODE*			
	THHN TypeMC AlumArmor			
WIDTH (IN.)	2C (12 AWG)	3C (12 AWG)	3C (AWG 4/0)	3C (500 kcmil)
6	35 cbils	31 cbils	3 cbils	2 cbils
9	52 cbils	45 cbils	5 cbils	3 cbils
12	71 cbils	63 cbils	7 cbils	5 cbils
18	107 cbils	94 cbils	11 cbils	7 cbils
24	143 cbils	126 cbils	15 cbils	10 cbils
30	178 cbils	157 cbils	18 cbils	12 cbils
36	214 cbils	204 cbils	22 cbils	15 cbils

* Vented cable tray only.

TRAY MATERIAL	SIDE RAIL HEIGHTS INCHES	VENTED		NON-VENTED	
		Tray options that meet the NEMA standard for vented tray – 25% of the cable bearing surface must be ventilated.			
					
		LADDER STANDARD RUNG	VENTILATED TROUGH CORRUGATED	SOLID BOTTOM CORRUGATED	SOLID BOTTOM FLAT SHEET
ITRAY A ALUMINUM	4 5 6 7	6", 9" and 12" rung spacing	$\frac{7}{8}$ " wide ribs are $\frac{1}{2}$ " deep on 2" centers with air vents	$\frac{7}{8}$ " wide ribs are $\frac{1}{2}$ " deep on 2" centers	Flat sheet over 12" rung spacing
LONG-SPAN A ALUMINUM G HOT-DIP GALVANIZED STEEL	8 10	9", 12" and 18" rung spacing	N/A	N/A	N/A
STEEL G HOT-DIP GALVANIZED STEEL	4 5 6 7	6", 9" and 12" rung spacing	$\frac{7}{8}$ " wide ribs are $\frac{1}{2}$ " deep on 2" centers with air vents	$\frac{7}{8}$ " wide ribs are $\frac{1}{2}$ " deep on 2" centers	N/A
STAINLESS STEEL L STAINLESS STEEL 304L T STAINLESS STEEL 316L	4 5 6 7	6", 9" and 12" rung spacing	N/A	N/A	Flat sheet only
FIBERGLASS F FIBERGLASS	4 6	6", 9" and 12" rung spacing	N/A	N/A	Flat sheet under 12" rung spacing

DATA CABLE FILL TABLE

LADDER TRAY		MAX NUMBER OF CABLES PER CODE			
WIDTH (IN.)	LOAD DEPTH (IN.)	Cat 5e 4-pr Plenum (.17 IN.)	Cat 5e w4-pr Non-Plenum (.19 IN.)	Cat 6e 4-pr Plenum (.22 IN.)	Cat 6a 4-pr Plenum (.30 IN.)
6	3	396 cbils	317 cbils	236 cbils	127 cbils
9	3	594 cbils	476 cbils	355 cbils	190 cbils
12	3	793 cbils	634 cbils	473 cbils	254 cbils
18	3	1189 cbils	952 cbils	710 cbils	381 cbils
24	3	1586 cbils	1269 cbils	947 cbils	509 cbils
30	3	1982 cbils	1587 cbils	1183 cbils	636 cbils
36	3	2379 cbils	1904 cbils	1420 cbils	763 cbils
6	4	527 cbils	422 cbils	314 cbils	169 cbils
9	4	803 cbils	643 cbils	480 cbils	258 cbils
12	4	1055 cbils	844 cbils	629 cbils	338 cbils
18	4	1582 cbils	1266 cbils	944 cbils	508 cbils
24	4	2110 cbils	1689 cbils	1259 cbils	677 cbils
30	4	2679 cbils	2145 cbils	1600 cbils	860 cbils
36	4	3215 cbils	2574 cbils	1920 cbils	1032 cbils

LADDER TRAY		MAX NUMBER OF CABLES PER CODE			
WIDTH (IN.)	LOAD DEPTH (IN.)	Cat 5e 4-pr Plenum (.17 IN.)	Cat 5e w4-pr Non-Plenum (.19 IN.)	Cat 6e 4-pr Plenum (.22 IN.)	Cat 6a 4-pr Plenum (.30 IN.)
6	5	660 cbils	529 cbils	394 cbils	212 cbils
9	5	991 cbils	793 cbils	591 cbils	318 cbils
12	5	1321 cbils	1058 cbils	789 cbils	424 cbils
18	5	1982 cbils	1587 cbils	1183 cbils	636 cbils
24	5	2643 cbils	2116 cbils	1578 cbils	848 cbils
30	5	3304 cbils	2645 cbils	1972 cbils	1061 cbils
36	5	3965 cbils	3174 cbils	2367 cbils	1273 cbils
6	6	788 cbils	631 cbils	469 cbils	277 cbils
9	6	1189 cbils	952 cbils	710 cbils	381 cbils
12	6	1515 cbils	1213 cbils	905 cbils	486 cbils
18	6	2273 cbils	1820 cbils	1357 cbils	730 cbils
24	6	3031 cbils	2427 cbils	1810 cbils	973 cbils
30	6	3965 cbils	3174 cbils	2367 cbils	1273 cbils
36	6	4758 cbils	3809 cbils	2841 cbils	1527 cbils

METALLIC

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For detailed material and finish descriptions, see page B.6.

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ITRAY

A ALUMINUM

CONNECTORS/SPLICES:

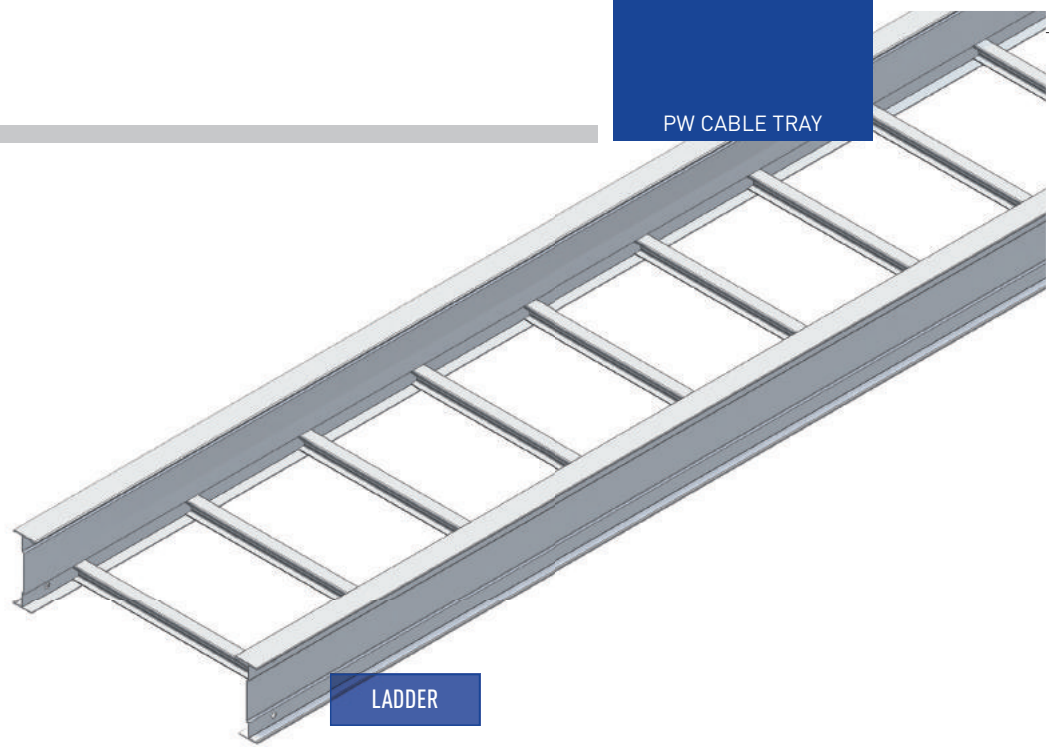
Necessary straight section connectors (SSP) and fasteners are supplied with each section. Extra connectors for field cuts or unusual requirements must be ordered separately.

SAFE LOAD:

Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

CONCENTRATED LOAD:

All ladders with solid rungs and trays with corrugated bottoms will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse.



LADDER

RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	NEMA CLASS	AVAILABLE LENGTHS (FT.)						WIDTHS (IN.)	TRAY SYSTEM NUMBER	AMP RATING		
4	3	12B	10	12	-	-	-	-	6-36	4A12B	1200		
	3	12C	10	12	20	-	-	-	6-36	4A12C	1200		
	3	20B	-	12	20	24	-	-	6-36	4A20B	2000		
5	4	12C	10	12	20	-	-	-	6-36	5A12C	1200		
	4	20B	-	12	20	24	-	-	6-36	5A20B	1600		
6	5	12C	10	12	20	-	-	-	6-36	6A12C	1200		
	5	20B	-	12	20	24	-	-	6-36	6A20B	1600		
	5	20C	-	12	20	24	-	-	6-36	6A20C	2000		
	5	24C	-	-	20	24	30	-	6-36	6A24C	2000		
7	6	12C	10	12	20	-	-	-	6-36	7A12C	1600		
	6	20B	-	12	20	24	-	-	6-36	7A20B	2000		
	6	20C	-	12	20	24	-	-	6-36	7A20C	2000		
	6	24C	-	-	20	24	30	-	6-36	7A24C	2000		

ITRAY - STRAIGHT SECTIONS

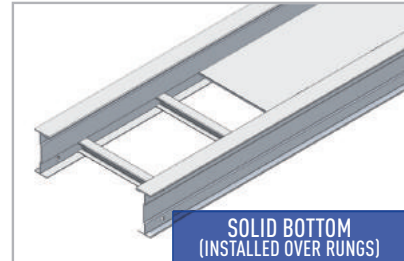
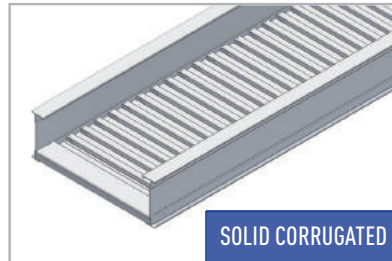
WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

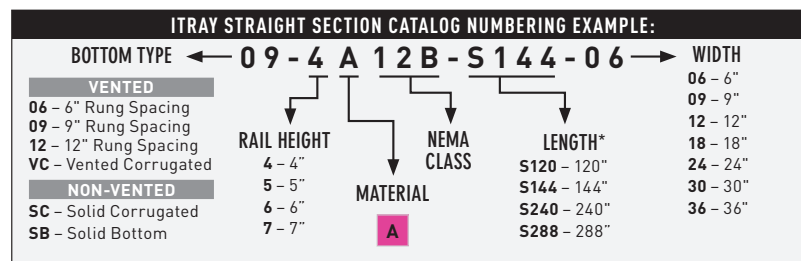
B.10



		SUPPORT SPAN (FT.)																											
		6		8		10		12		14		16		18		20		22		24		26		28		30			
		SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																											
		300	0.46	169	0.81	108	1.27	75	1.83																				
		400	0.49	225	0.86	144	1.35	100	1.94	71	2.64	52	3.45																
				469	0.92	300	1.43	208	2.06	153	2.80	117	3.66	93	4.63	75	5.72	61	6.92	50	8.24								
		400	0.28	225	0.50	144	0.78	100	1.12	71	1.52	52	1.99																
				469	0.60	300	0.95	208	1.36	153	1.85	117	2.42	93	3.06	75	3.78	61	4.57	50	5.44								
		400	0.24	225	0.42	144	0.66	100	0.95	71	1.29	52	1.69																
				469	0.43	300	0.67	208	0.96	153	1.31	117	1.71	93	2.16	75	2.67	61	3.23	50	3.84								
						400	0.78	278	1.12	204	1.53	156	2.00	123	2.53	100	3.12	81	3.78	66	4.49								
								400	1.04	294	1.41	225	1.84	178	2.33	144	2.88	119	3.48	100	4.14	84	4.86	71	5.64	61	6.47		
		400	0.15	225	0.27	144	0.42	100	0.61	71	0.83	52	1.08																
				469	0.32	300	0.50	208	0.72	153	0.98	117	1.29	93	1.63	75	2.01	61	2.43	50	2.89								
						400	0.55	278	0.78	204	1.07	156	1.40	123	1.77	100	2.18	81	2.64	66	3.14								
								400	0.90	294	1.23	225	1.60	178	2.03	144	2.50	119	3.03	100	3.60	84	4.23	71	4.90	61	5.63		



All Legrand aluminum and steel cable trays are Classified by UL as equipment grounding conductors per NEC 392.60. (UL File No. E60796)



* S144 and S240 are standard; S120 and S288 are available with extended lead time.

For detailed material and finish descriptions, see page B.6.

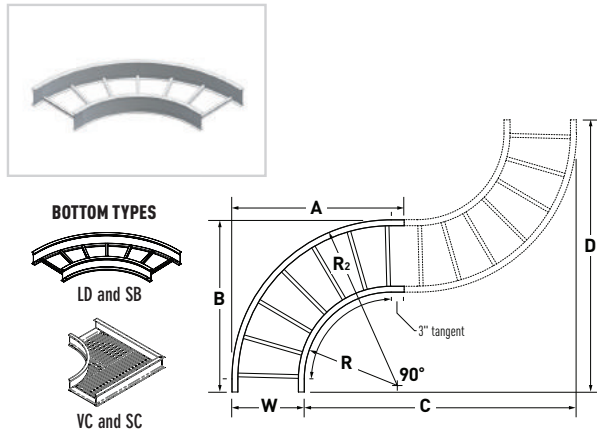
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ITRAY - STRAIGHT SECTIONS

B.11

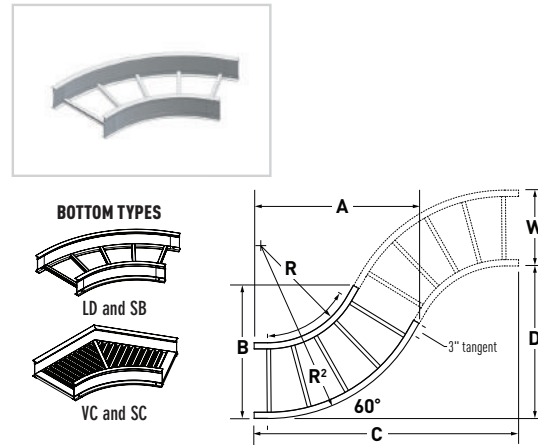
90HB HORIZONTAL 90° ELBOW

A



60HB HORIZONTAL 60° ELBOW

A



RADIUS R	WIDTH W	RADIUS 2 R2	A	B	C	D
12	6	18	21	21	36	36
	9	21	24	24	39	39
	12	24	27	27	42	42
	18	30	33	33	48	48
	24	36	39	39	54	54
	30	42	45	45	60	60
24	6	30	33	33	60	60
	9	33	36	36	63	63
	12	36	39	39	66	66
	18	42	45	45	72	72
	24	48	51	51	78	78
	30	54	57	57	84	84
36	6	42	45	45	84	84
	9	45	48	48	87	87
	12	48	51	51	90	90
	18	54	57	57	96	96
	24	60	63	63	102	102
	30	66	69	69	108	108

RADIUS R	WIDTH W	RADIUS 2 R2	A	B	C	D
12	6	18	20 ¹ / ₈	14 ⁵ / ₈	35	20 ¹ / ₄
	9	21	22 ⁵ / ₈	17 ⁵ / ₈	37 ⁵ / ₈	21 ³ / ₄
	12	24	25 ¹ / ₄	20 ⁵ / ₈	40 ⁵ / ₈	23 ¹ / ₄
	18	30	30 ¹ / ₂	26 ⁵ / ₈	45 ⁵ / ₈	26 ¹ / ₄
	24	36	35 ⁵ / ₈	32 ⁵ / ₈	50 ⁵ / ₈	29 ¹ / ₄
	30	42	40 ⁷ / ₈	38 ⁵ / ₈	55 ⁵ / ₈	32 ¹ / ₄
24	6	30	30 ¹ / ₂	20 ⁵ / ₈	55 ⁵ / ₈	32 ¹ / ₄
	9	33	33 ¹ / ₈	23 ⁵ / ₈	58 ⁵ / ₈	33 ³ / ₄
	12	36	35 ⁵ / ₈	26 ⁵ / ₈	61	35 ¹ / ₄
	18	42	40 ⁷ / ₈	32 ⁵ / ₈	66 ⁵ / ₈	38 ¹ / ₄
	24	48	46 ¹ / ₈	38 ⁵ / ₈	71 ⁵ / ₈	41 ¹ / ₄
	30	54	51 ¹ / ₄	44 ⁵ / ₈	76 ¹ / ₂	44 ¹ / ₄
36	6	42	40 ⁷ / ₈	26 ⁵ / ₈	76 ¹ / ₂	44 ¹ / ₄
	9	45	43 ¹ / ₂	29 ⁵ / ₈	79 ⁵ / ₈	45 ³ / ₄
	12	48	46 ¹ / ₈	32 ⁵ / ₈	81 ⁵ / ₈	47 ¹ / ₄
	18	54	51 ¹ / ₄	38 ⁵ / ₈	87	50 ¹ / ₄
	24	60	56 ¹ / ₂	44 ⁵ / ₈	92 ⁵ / ₈	53 ¹ / ₄
	30	66	61 ⁵ / ₈	50 ⁵ / ₈	97 ⁵ / ₈	56 ¹ / ₄

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

CONNECTORS/SPLICES – Necessary fitting connectors (FSP) and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	3 pairs ea.
Crosses	4 pairs ea.

45HB HORIZONTAL 45° ELBOW

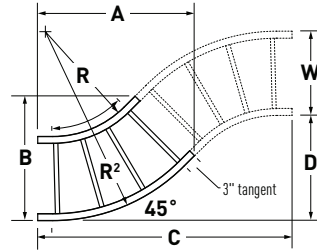
A



BOTTOM TYPES



VC and SC



30HB HORIZONTAL 30° ELBOW

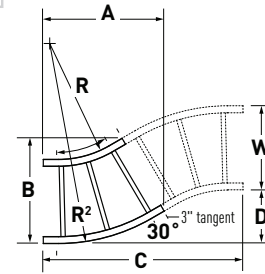
A



BOTTOM TYPES



VC and SC



RADIUS R	WIDTH W	RADIUS 2 R2	A	B	C	D
12	6	18	17 ^{7/8}	11 ^{5/8}	31 ^{1/2}	13
	9	21	20	14 ^{5/8}	33 ^{3/8}	13 ^{7/8}
	12	24	22 ^{1/8}	17 ^{5/8}	35 ^{3/4}	14 ^{3/4}
	18	30	26 ^{3/8}	23 ^{5/8}	40	16 ^{1/2}
	24	36	30 ^{5/8}	29 ^{5/8}	44 ^{1/8}	18 ^{1/4}
	30	42	34 ^{7/8}	35 ^{5/8}	48 ^{5/8}	20
24	6	30	26 ^{3/8}	15 ^{1/8}	48 ^{5/8}	20
	9	33	28 ^{1/2}	18 ^{1/8}	50 ^{1/2}	21
	12	36	30 ^{5/8}	21 ^{1/8}	52 ^{5/8}	21 ^{7/8}
	18	42	34 ^{7/8}	27 ^{1/8}	56 ^{7/8}	23 ^{5/8}
	24	48	39	33 ^{1/8}	61 ^{1/8}	25 ^{3/8}
	30	54	43 ^{1/4}	39 ^{1/8}	65 ^{3/8}	27 ^{1/8}
36	6	42	34 ^{7/8}	18 ^{5/8}	65 ^{3/8}	27 ^{1/8}
	9	45	37	21 ^{5/8}	67 ^{1/2}	28
	12	48	39	24 ^{5/8}	69 ^{5/8}	28 ^{7/8}
	18	54	43 ^{1/4}	30 ^{5/8}	73 ^{3/8}	30 ^{5/8}
	24	60	47 ^{1/2}	36 ^{5/8}	78 ^{1/8}	32 ^{3/8}
	30	66	51 ^{3/4}	42 ^{5/8}	82 ^{3/8}	34 ^{1/8}
36	36	72	56	48 ^{5/8}	86 ^{5/8}	35 ^{7/8}

RADIUS R	WIDTH W	RADIUS 2 R2	A	B	C	D
12	6	18	14 ^{1/2}	9 ^{1/8}	26 ^{1/4}	7
	9	21	16 ^{1/8}	12 ^{1/8}	27 ^{3/4}	7 ^{3/8}
	12	24	17 ^{5/8}	15 ^{1/8}	29 ^{1/4}	7 ^{7/8}
	18	30	20 ^{5/8}	21 ^{1/8}	32 ^{1/4}	8 ^{5/8}
	24	36	23 ^{5/8}	27 ^{1/8}	35 ^{1/4}	9 ^{3/8}
	30	42	26 ^{5/8}	33 ^{1/8}	38 ^{1/4}	10 ^{1/4}
24	6	30	20 ^{5/8}	10 ^{3/4}	38 ^{1/4}	10 ^{1/4}
	9	33	22 ^{1/8}	13 ^{3/4}	39 ^{3/4}	10 ^{5/8}
	12	36	23 ^{5/8}	16 ^{3/4}	41 ^{1/4}	11
	18	42	26 ^{5/8}	22 ^{3/4}	44 ^{1/4}	11 ^{7/8}
	24	48	29 ^{5/8}	28 ^{3/4}	47 ^{1/4}	12 ^{5/8}
	30	54	32 ^{5/8}	34 ^{3/4}	50 ^{1/4}	13 ^{1/2}
36	6	42	26 ^{5/8}	12 ^{3/8}	50 ^{1/4}	13 ^{1/2}
	9	45	28 ^{1/8}	15 ^{3/8}	51 ^{3/4}	13 ^{3/8}
	12	48	29 ^{5/8}	18 ^{3/8}	53 ^{1/4}	14 ^{1/4}
	18	54	32 ^{5/8}	24 ^{3/8}	56 ^{1/4}	15
	24	60	35 ^{5/8}	30 ^{3/8}	59 ^{1/4}	15 ^{7/8}
	30	66	38 ^{5/8}	36 ^{3/8}	62 ^{1/4}	16 ^{5/8}
36	36	72	41 ^{5/8}	42 ^{3/8}	65 ^{1/4}	17 ^{1/2}

ITRAY HORIZONTAL ELBOW CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE	RAIL HEIGHT	FITTING CODE	RADIUS	WIDTH
LD - Ladder Rung	4 - 4"	90HB	12 - 12"	06 - 6"
VC - Vented Corrugated	5 - 5"	60HB	24 - 24"	09 - 9"
SC - Solid Corrugated	6 - 6"	45HB	36 - 36"	12 - 12"
SB - Solid Bottom	7 - 7"	30HB		18 - 18"
				24 - 24"
				30 - 30"
				36 - 36"

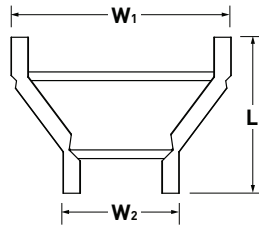
ITRAY - FITTINGS

B.13

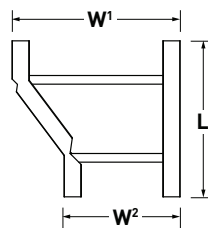
SR / LR / RR HORIZONTAL REDUCERS

A

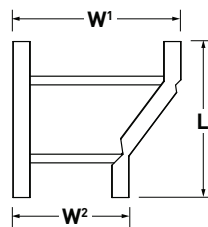
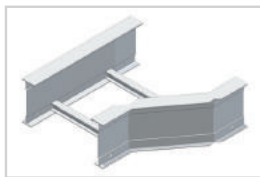
STRAIGHT



LEFT HAND



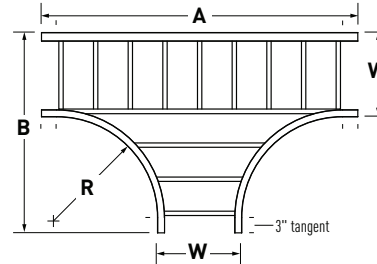
RIGHT HAND



LENGTH	MAIN WIDTH W1	AVAILABLE BRANCH WIDTHS W2						
18	9	6	-	-	-	-	-	-
	12	6	9	-	-	-	-	-
	18	6	9	12	-	-	-	-
	24	6	9	12	18	-	-	-
	30	6	9	12	18	24	-	-
	36	6	9	12	18	24	30	-

HT HORIZONTAL STANDARD TEE

A



RADIUS R	WIDTH W	A	B
12	6	36	21 ⁵ / ₈
	9	39	24 ⁵ / ₈
	12	42	27 ⁵ / ₈
	18	48	33 ⁵ / ₈
	24	54	39 ⁵ / ₈
	30	60	45 ⁵ / ₈
24	36	66	51 ⁵ / ₈
	6	60	33 ⁵ / ₈
	9	63	36 ⁵ / ₈
	12	66	39 ⁵ / ₈
	18	72	45 ⁵ / ₈
	24	78	51 ⁵ / ₈
36	30	84	57 ⁵ / ₈
	36	90	63 ⁵ / ₈
	6	84	45 ⁵ / ₈
	9	87	48 ⁵ / ₈
	12	90	51 ⁵ / ₈
	18	96	57 ⁵ / ₈
	24	102	63 ⁵ / ₈
	30	108	69 ⁵ / ₈
	36	114	75 ⁵ / ₈

ITRAY - FITTINGS

B.14

ITRAY HORIZONTAL REDUCER CATALOG NUMBERING EXAMPLE:																	
BOTTOM TYPE		LD - 4 A - SR 09 - 06						WIDTH 2									
VENTED		RAIL HEIGHT	4 - 4"	FITTING CODE	SR	WIDTH 1	09 - 9"	06 - 6"									
NON-VENTED																	
LD - Ladder Rung		MATERIAL	A	LR	RR	24 - 24"	30 - 30"	36 - 36"									
VC - Vented Corrugated																	
SC - Solid Corrugated																	
SB - Solid Bottom																	

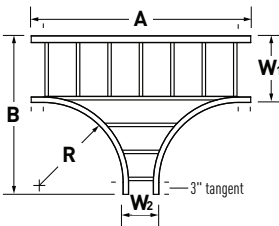
CONNECTORS/SPLICES - Necessary fitting connectors (FSP) and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	3 pairs ea.
Crosses	4 pairs ea.

RT / ET HORIZONTAL REDUCING/EXPANDING TEES

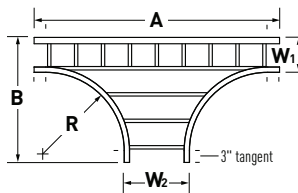
A

REDUCING TEE



MAIN WIDTH W1	BRANCH WIDTH W2	RADIUS R	A	B	RADIUS R	A	B	RADIUS R	A	B
9	6	12	36	24 ^{5/8}	24	60	36 ^{5/8}	36	84	48 ^{5/8}
12	6		36	27 ^{5/8}		60	39 ^{5/8}		84	51 ^{5/8}
	9		39	27 ^{5/8}		63	39 ^{5/8}		87	51 ^{5/8}
	6		36	33 ^{5/8}		60	45 ^{5/8}		84	57 ^{5/8}
18	9		39	33 ^{5/8}		63	45 ^{5/8}		87	57 ^{5/8}
	12		42	33 ^{5/8}		66	45 ^{5/8}		90	57 ^{5/8}
	6		36	39 ^{5/8}		60	51 ^{5/8}		84	63 ^{5/8}
24	9		39	39 ^{5/8}		63	51 ^{5/8}		87	63 ^{5/8}
	12		42	39 ^{5/8}		66	51 ^{5/8}		90	63 ^{5/8}
	18		48	39 ^{5/8}		72	51 ^{5/8}		96	63 ^{5/8}
	6		36	45 ^{5/8}		60	57 ^{5/8}		84	69 ^{5/8}
30	9		39	45 ^{5/8}		63	57 ^{5/8}		87	69 ^{5/8}
	12		42	45 ^{5/8}		66	57 ^{5/8}		90	69 ^{5/8}
	18		48	45 ^{5/8}		72	57 ^{5/8}		96	69 ^{5/8}
	24		54	45 ^{5/8}		78	57 ^{5/8}		102	69 ^{5/8}
	6	36	36	51 ^{5/8}	24	60	63 ^{5/8}	36	84	75 ^{5/8}
36	9		39	51 ^{5/8}		63	63 ^{5/8}		87	75 ^{5/8}
	12		42	51 ^{5/8}		66	63 ^{5/8}		90	75 ^{5/8}
	18		48	51 ^{5/8}		72	63 ^{5/8}		96	75 ^{5/8}
	24		54	51 ^{5/8}		78	63 ^{5/8}		102	75 ^{5/8}
	6		36	51 ^{5/8}		60	63 ^{5/8}		84	75 ^{5/8}
	9		39	51 ^{5/8}		63	63 ^{5/8}		87	75 ^{5/8}
	12		42	51 ^{5/8}		66	63 ^{5/8}		90	75 ^{5/8}
	18		48	51 ^{5/8}		72	63 ^{5/8}		96	75 ^{5/8}
	24		54	51 ^{5/8}		78	63 ^{5/8}		102	75 ^{5/8}
	30		60	51 ^{5/8}		84	63 ^{5/8}		108	75 ^{5/8}

EXPANDING TEE



MAIN WIDTH W1	BRANCH WIDTH W2	RADIUS R	A	B	RADIUS R	A	B	RADIUS R	A	B
6	9	12	39	21 ^{5/8}	24	63	33 ^{5/8}	36	87	45 ^{5/8}
	12		42	21 ^{5/8}		66	33 ^{5/8}		90	45 ^{5/8}
	18		48	21 ^{5/8}		72	33 ^{5/8}		96	45 ^{5/8}
	24		54	21 ^{5/8}		78	33 ^{5/8}		102	45 ^{5/8}
	30		60	21 ^{5/8}		84	33 ^{5/8}		108	45 ^{5/8}
	36		66	21 ^{5/8}		90	33 ^{5/8}		114	45 ^{5/8}
9	12		42	24 ^{5/8}		66	36 ^{5/8}		90	48 ^{5/8}
	18		48	24 ^{5/8}		72	36 ^{5/8}		96	48 ^{5/8}
	24		54	24 ^{5/8}		78	36 ^{5/8}		102	48 ^{5/8}
	30		60	24 ^{5/8}		84	36 ^{5/8}		108	48 ^{5/8}
	36		66	24 ^{5/8}		90	36 ^{5/8}		114	48 ^{5/8}
	12		48	27 ^{5/8}		72	39 ^{5/8}		96	51 ^{5/8}
12	24		54	27 ^{5/8}		78	39 ^{5/8}		102	51 ^{5/8}
	30		60	27 ^{5/8}		84	39 ^{5/8}		108	51 ^{5/8}
	36		66	27 ^{5/8}		90	39 ^{5/8}		114	51 ^{5/8}
	24		54	33 ^{5/8}		78	45 ^{5/8}		102	57 ^{5/8}
	30		60	33 ^{5/8}		84	45 ^{5/8}		108	57 ^{5/8}
	36		66	33 ^{5/8}		90	45 ^{5/8}		114	57 ^{5/8}
18	24		60	39 ^{5/8}		84	51 ^{5/8}		108	63 ^{5/8}
	30		66	39 ^{5/8}		90	51 ^{5/8}		114	63 ^{5/8}
	36		66	39 ^{5/8}		90	51 ^{5/8}		114	63 ^{5/8}
	24		60	45 ^{5/8}		84	57 ^{5/8}		108	69 ^{5/8}
	30		66	45 ^{5/8}		90	57 ^{5/8}		114	69 ^{5/8}
	36		66	45 ^{5/8}		90	57 ^{5/8}		114	69 ^{5/8}

* Reducing/expanding tees are not available with the corrugated bottom type. Use reducer fittings (see page 14) or reducer splice plates (see page 23) in conjunction with horizontal standard tee fittings which are available with corrugated bottoms.

ITRAY HORIZONTAL TEE CATALOG NUMBERING EXAMPLE:									
BOTTOM TYPE ← LD - 4 A - RT 12 - 12 06 → WIDTH 2"									
LD - Ladder Rung									
NON-VENTED									
SB - Solid Bottom									
RAIL HEIGHT									
4 - 4"									
5 - 5"									
6 - 6"									
7 - 7"									
FITTING CODE									
HT*									
RT									
ET									
RADIUS									
12 - 12"									
18 - 18"									
24 - 24"									
30 - 30"									
36 - 36"									
WIDTH 1									
06 - 6"									
09 - 9"									
12 - 12"									
18 - 18"									
24 - 24"									
30 - 30"									
36 - 36"									

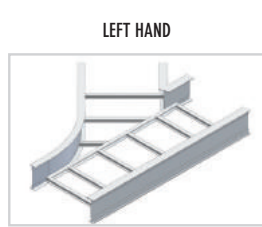
* Width 2 does not apply to Horizontal Tee (HT).

For detailed material and finish descriptions, see page B.6.

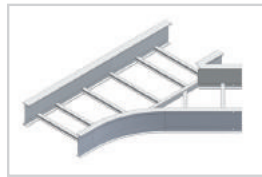
WWW.LEGRAND.US/CABLOFIL

YL / YR HORIZONTAL WYE BRANCHES

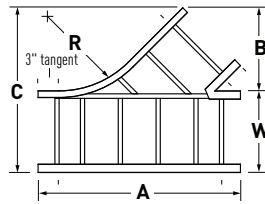
A



LEFT HAND



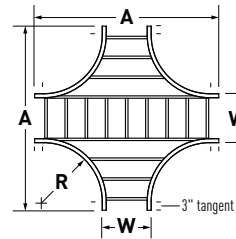
RIGHT HAND



WIDTH W	RADIUS R	A	B	C
6	24	31 1/4	12	18
9		35 1/2	14 1/4	23 1/4
12		39 3/4	16 1/4	28 1/4
18		48 1/4	20 1/2	38 1/2
24		56 3/4	24 3/4	48 3/4
30		65 1/4	29	59
36		73 5/8	33 1/4	69 1/4

HX HORIZONTAL STANDARD CROSS

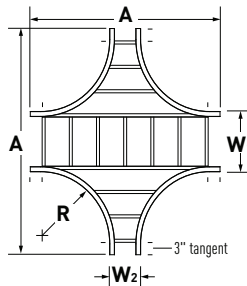
A



WIDTH W	RADIUS R	A	RADIUS R	A	RADIUS R	A
6	12	36	24	60	36	84
9		39		63		87
12		42		66		90
18		48		72		96
24		54		78		102
30		60		84		108
36		66		90		114

RX HORIZONTAL REDUCING CROSS

A



MAIN WIDTH W1	BRANCH WIDTH W2	RADIUS R	A	B	RADIUS R	A	B	RADIUS R	A	B
9	6	12	36	39	24	60	63	36	84	87
12	6		36	42		60	66		84	90
9	9		39	42		63	66		87	90
18	6		36	48		60	72		84	96
9	9		39	48		63	72		87	96
12	12		42	48		66	72		90	96
24	6		36	54		60	78		84	102
9	9		39	54		63	78		87	102
12	12		42	54		66	78		90	102
18	18		48	54		72	78		96	102
6	6		36	60		60	84		84	108
9	9		39	60		63	84		87	108
12	12		42	60		66	84		90	108
18	18		48	60		72	84		96	108
24	24	36	54	60	36	78	84		102	108
6	6		36	66		60	90		84	114
9	9		39	66		63	90		87	114
12	12		42	66		66	90		90	114
18	18		48	66		72	90		96	114
24	24		54	66		78	90		102	114
30	30		60	66		84	90		108	114

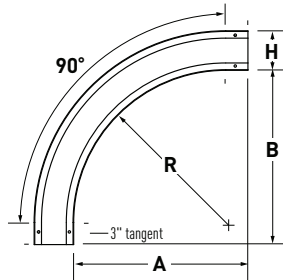
* Reducing crosses are not available with the corrugated bottom type. Use reducer fittings (see page 14) or reducer splice plates (see page 23) in conjunction with horizontal standard cross fittings which are available with corrugated bottoms.

ITRAY HORIZONTAL REDUCING CROSS CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE	LD - 4	A	- RX	12 - 0	9	0	6	WIDTH 2
VENTED								06 - 6"
LD - Ladder Rung								09 - 9"
NON-VENTED								12 - 12"
SB - Solid Bottom								18 - 18"
								24 - 24"
								30 - 30"
								36 - 36"

90VO
VERTICAL OUTSIDE 90° ELBOW

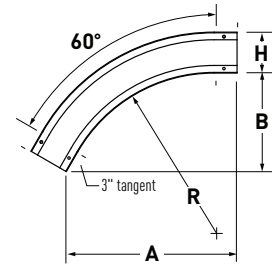
A



RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	15	15
24			27	27
36			39	39

60VO
VERTICAL OUTSIDE 60° ELBOW

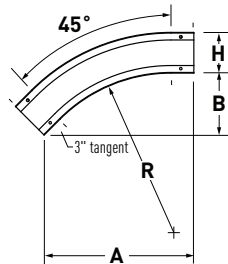
A



RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	15	8 ⁵ / ₈
24			25 ¹ / ₄	14 ⁵ / ₈
36			35 ⁵ / ₈	20 ⁵ / ₈

45VO
VERTICAL OUTSIDE 45° ELBOW

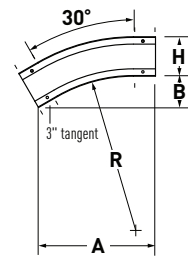
A



RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	13 ⁵ / ₈	5 ⁵ / ₈
24			22 ¹ / ₈	9 ¹ / ₈
36			30 ⁵ / ₈	12 ⁵ / ₈

30VO
VERTICAL OUTSIDE 30° ELBOW

A



RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	11 ⁵ / ₈	3 ¹ / ₈
24			17 ⁵ / ₈	4 ³ / ₄
36			23 ⁵ / ₈	6 ³ / ₈

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

CONNECTORS/SPLICES – Necessary fitting connectors (FSP) and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	3 pairs ea.
Crosses	4 pairs ea.

ITRAY VERTICAL INSIDE ELBOW CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE

VENTED
LD – Ladder Rung
VC – Vented Corrugated
NON-VENTED
SC – Solid Corrugated
SB – Solid Bottom

RAIL HEIGHT

4 – 4"
5 – 5"
6 – 6"
7 – 7"

MATERIAL

A

FITTING CODE

90VO
60VO
45VO
30VO

RADIUS

12 – 12"
24 – 24"
36 – 36"

WIDTH

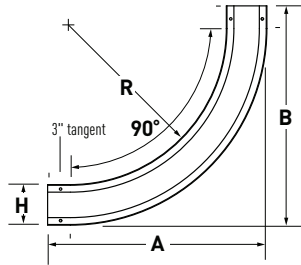
06 – 6"
09 – 9"
12 – 12"
18 – 18"
24 – 24"
30 – 30"
36 – 36"

ITRAY – FITTINGS

B.17

90VI VERTICAL INSIDE 90° ELBOW

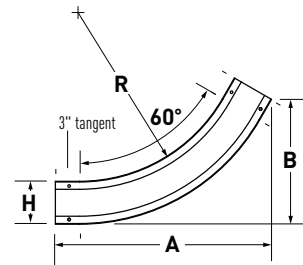
A



WIDTH W	RADIUS R	H = 4		H = 5		H = 6		H = 7	
		A	B	A	B	A	B	A	B
ALL	12	19	19	20	20	21	21	22	22
	24	31	31	32	32	33	33	34	34
	36	43	43	44	44	45	45	46	46

60VI VERTICAL INSIDE 60° ELBOW

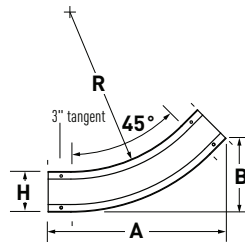
A



WIDTH W	RADIUS R	H = 4		H = 5		H = 6		H = 7	
		A	B	A	B	A	B	A	B
ALL	12	18 ⁵ / ₈	10 ⁵ / ₈	19 ¹ / ₄	11 ¹ / ₈	20 ¹ / ₈	11 ⁵ / ₈	21	12 ¹ / ₈
	24	28 ³ / ₄	16 ⁵ / ₈	29 ⁵ / ₈	17 ¹ / ₈	30 ¹ / ₂	17 ⁵ / ₈	31 ¹ / ₈	18 ¹ / ₈
	36	39 ¹ / ₈	22 ⁵ / ₈	40	23 ¹ / ₈	40 ⁷ / ₈	23 ⁵ / ₈	41 ³ / ₄	24 ¹ / ₈

45VI VERTICAL INSIDE 45° ELBOW

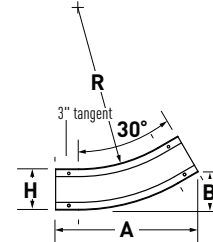
A



WIDTH W	RADIUS R	H = 4		H = 5		H = 6		H = 7	
		A	B	A	B	A	B	A	B
ALL	12	16 ³ / ₈	6 ³ / ₄	17 ¹ / ₈	7 ¹ / ₈	17 ¹ / ₈	7 ³ / ₈	18 ¹ / ₂	7 ⁵ / ₈
	24	24 ⁷ / ₈	10 ³ / ₈	25 ⁵ / ₈	10 ⁵ / ₈	26 ³ / ₈	10 ⁷ / ₈	27	11 ¹ / ₄
	36	33 ³ / ₈	13 ³ / ₈	34 ¹ / ₈	14 ¹ / ₈	34 ⁷ / ₈	14 ³ / ₈	35 ¹ / ₂	14 ³ / ₄

30VI VERTICAL INSIDE 30° ELBOW

A



WIDTH W	RADIUS R	H = 4		H = 5		H = 6		H = 7	
		A	B	A	B	A	B	A	B
ALL	12	13 ⁵ / ₈	3 ⁵ / ₈	14 ¹ / ₈	3 ³ / ₄	14 ⁵ / ₈	3 ³ / ₈	15 ¹ / ₈	4
	24	19 ⁵ / ₈	5 ¹ / ₄	20 ¹ / ₈	5 ³ / ₈	20 ⁵ / ₈	5 ¹ / ₂	21 ¹ / ₈	5 ⁵ / ₈
	36	25 ⁵ / ₈	6 ⁷ / ₈	26 ¹ / ₈	7	26 ⁵ / ₈	7 ¹ / ₈	27 ¹ / ₈	7 ¹ / ₄

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

B.18

ITRAY VERTICAL INSIDE ELBOW CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE		LD - 4 A - 90VI 12 - 09				WIDTH
VENTED		RAIL HEIGHT	MATERIAL	FITTING CODE	RADIUS	06 - 6"
LD - Ladder Rung						09 - 9"
VC - Vented Corrugated						12 - 12"
NON-VENTED		RAIL HEIGHT	MATERIAL	FITTING CODE	RADIUS	18 - 18"
SC - Solid Corrugated						24 - 24"
SB - Solid Bottom						30 - 30"
		36 - 36"				

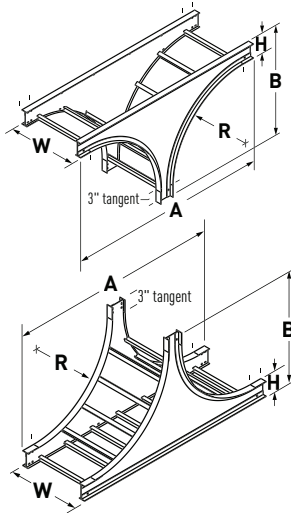
TD / TU VERTICAL TEES

A

TEE DOWN



TEE UP

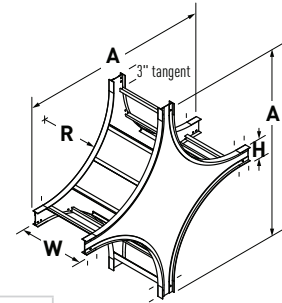
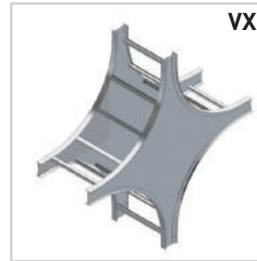


TEE UP fittings have rungs or bottom members for cable support across the bottom of the fitting.

WIDTH W	RADIUS R	RAIL HEIGHT H	A	B
ALL	24	4	58	31
		5	59	32
		6	60	33
		7	61	34

VX VERTICAL CROSS

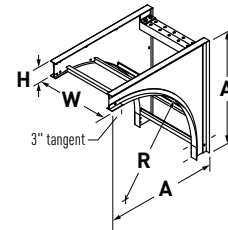
A



WIDTH W	RADIUS R	RAIL HEIGHT H	A
ALL	24	4	58
		5	59
		6	60
		7	61

CS VERTICAL CABLE SUPPORT ELBOW

A



Supports cables at the top of long vertical drops where the weight of the vertical cable may be excessive. Hooks (sold separately) attach to the brace in the elbow; when used with cable grips (supplied by others), tension in the vertical cable is relieved and transferred to the elbow.

WIDTH W	RADIUS R	RAIL HEIGHT H	A
ALL	24	4	31
		5	32
		6	33
		7	34

CONNECTORS/SPLICES – Necessary fitting connectors (FSP) and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	3 pairs ea.
Crosses	4 pairs ea.

ITRAY VERTICAL TEE CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE	LD - 4	A	TU	24	09	WIDTH
VENTED						06 - 6"
LD - Ladder Rung						09 - 9"
VC - Vented Corrugated						12 - 12"
NON-VENTED						18 - 18"
SC - Solid Corrugated						24 - 24"
SB - Solid Bottom						30 - 30"
						36 - 36"

MATERIAL
AFITTING
CODE
TU
TDRADIUS
24 - 24"

SFF / LFF / SPF
COVERS

A

SOLID FLAT FLANGED

LOUVERED FLAT FLANGED

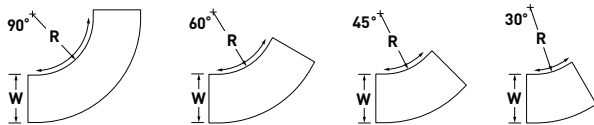
SOLID PEAKED FLANGED

COVER	GAGE (6"-24")	GAGE (30"-36")
SFF / LFF	0.040"	0.063"
SPF	0.040"	0.040"

STRAIGHT SECTION COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	COVER TYPE	LENGTH	WIDTH
A	SFF - Solid Flat Flanged	S060 - 60"	06 - 6"
	LFF - Louvered Flat Flanged	S072 - 72"	09 - 9"
	SPF - Solid Peaked Flanged	S120 - 120"	12 - 12"
		S144 - 144"	18 - 18"
			24 - 24"
			30 - 30"
			36 - 36"

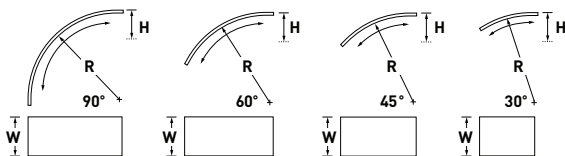
FOR HORIZONTAL ELBOWS (90HB/60HB/45HB/30HB)



HORIZONTAL ELBOW COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	COVER TYPE	FITTING CODE	RADIUS	WIDTH
A	SFF - Solid Flat Flanged	90HB	12 - 12"	06 - 6"
	LFF - Louvered Flat Flanged	60HB	24 - 24"	09 - 9"
	SPF - Solid Peaked Flanged	45HB	36 - 36"	12 - 12"
		30HB		18 - 18"
				24 - 24"
				30 - 30"
				36 - 36"

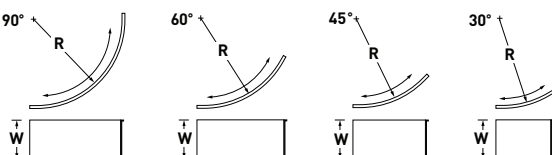
FOR VERTICAL OUTSIDE ELBOWS (90VO/60VO/45VO/30VO)



VERTICAL OUTSIDE ELBOW COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	COVER TYPE	FITTING CODE	RADIUS	WIDTH	RAIL HEIGHT
A	SFF - Solid Flat Flanged	90VO	12 - 12"	06 - 6"	4 - 4"
	LFF - Louvered Flat Flanged	60VO	24 - 24"	09 - 9"	5 - 5"
		45VO	36 - 36"	12 - 12"	6 - 6"
		30VO		18 - 18"	7 - 7"
				24 - 24"	
				30 - 30"	
				36 - 36"	

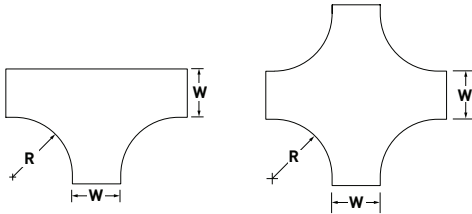
FOR VERTICAL INSIDE ELBOWS (90VI/60VI/45VI/30VI)



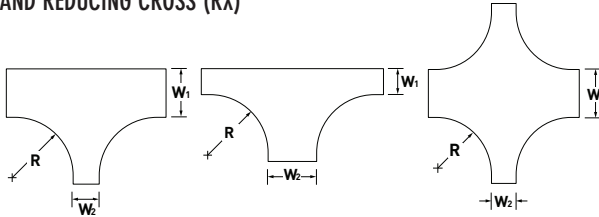
VERTICAL INSIDE ELBOW COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	COVER TYPE	FITTING CODE	RADIUS	WIDTH
A	SFF - Solid Flat Flanged	90VI	12 - 12"	06 - 6"
	LFF - Louvered Flat Flanged	60VI	24 - 24"	09 - 9"
		45VI	36 - 36"	12 - 12"
		30VI		18 - 18"
				24 - 24"
				30 - 30"
				36 - 36"

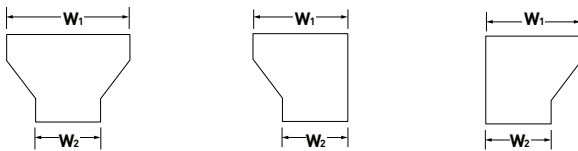
FOR HORIZONTAL TEE (HT) AND CROSS (HX)



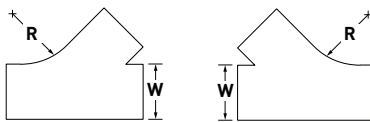
FOR HORIZONTAL REDUCING TEE (RT), EXPANDING TEE (ET) AND REDUCING CROSS (RX)



FOR HORIZONTAL STRAIGHT REDUCER (SR), LEFT HAND REDUCER (LR) AND RIGHT HAND REDUCER (RR)



FOR HORIZONTAL LEFT HAND WYE (YL) AND RIGHT HAND WYE (YR)



HORIZONTAL TEE COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	A	COVER TYPE	FITTING CODE	RADIUS	WIDTH
		SFF - Solid Flat Flanged	HT	12 - 12"	06 - 6"
		LFF - Louvered Flat Flanged	HX	24 - 24"	09 - 9"
		SPF - Solid Peaked Flanged		36 - 36"	12 - 12"
					18 - 18"
					24 - 24"
					30 - 30"
					36 - 36"

HORIZONTAL REDUCING TEE COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	A	COVER TYPE	FITTING CODE	RADIUS	W1	W2*
		SFF - Solid Flat Flanged	RT	12 - 12"	06 - 6"	06 - 6"
		LFF - Louvered Flat Flanged	ET	24 - 24"	09 - 9"	09 - 9"
		SPF - Solid Peaked Flanged	RX	36 - 36"	12 - 12"	12 - 12"
					18 - 18"	18 - 18"
					24 - 24"	24 - 24"
					30 - 30"	30 - 30"
					36 - 36"	36 - 36"

* See tables below for available branch widths.

HORIZONTAL STRAIGHT REDUCER COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	A	COVER TYPE	FITTING CODE	W1	W2*
		SFF - Solid Flat Flanged	SR	06 - 6"	06 - 6"
		LFF - Louvered Flat Flanged	LR	09 - 9"	09 - 9"
		SPF - Solid Peaked Flanged	RR	12 - 12"	12 - 12"
				18 - 18"	18 - 18"
				24 - 24"	24 - 24"
				30 - 30"	30 - 30"
				36 - 36"	36 - 36"

* See tables below for available branch widths.

HORIZONTAL LEFT HAND WYE COVER CATALOG NUMBERING EXAMPLE:

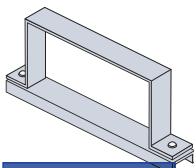
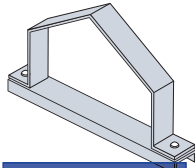
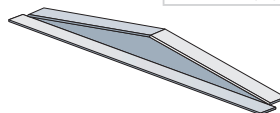
MATERIAL	A	COVER TYPE	FITTING CODE	RADIUS	WIDTH
		SFF - Solid Flat Flanged	YL	24 - 24"	06 - 6"
		LFF - Louvered Flat Flanged	YR		09 - 9"
		SPF - Solid Peaked Flanged			12 - 12"
					18 - 18"
					24 - 24"
					30 - 30"
					36 - 36"

MAIN WIDTHS (W1)	AVAILABLE REDUCING BRANCH WIDTHS (W2)					
9	6	-	-	-	-	-
12	6	9	-	-	-	-
18	6	9	12	-	-	-
24	6	9	12	18	-	-
30	6	9	12	18	24	-
36	6	9	12	18	24	30

MAIN WIDTHS (W1)	AVAILABLE EXPANDING BRANCH WIDTHS (W2)					
6	9	12	18	24	30	36
9	12	18	24	30	36	-
12	18	24	30	36	-	-
18	24	30	36	-	-	-
24	30	36	-	-	-	-
30	36	-	-	-	-	-

FCC / PCC / PCT
COVER CONNECTORS

A

FLAT COVER
CONNECTORPEAKED COVER
CONNECTORPEAKED COVER
TRANSITION

QUANTITY OF COVER CLAMPS REQUIRED

STRAIGHT SECTION - 5' & 6'	2
STRAIGHT SECTION - 10' & 12'	3
HORIZONTAL/VERTICAL ELBOWS	2
TEES	3
CROSSES	4

PRODUCT
CODE

FASTENER OPTIONS

FCC

PCC

PCT

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

S6

ITRAY - COVERS

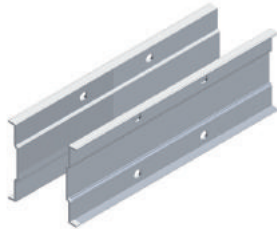
B.21

For detailed material and finish descriptions, see page B.6.

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SSP STRAIGHT SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
SSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - SSP	- S 6

- 12" length
- Designed for splicing Itray straight sections
- Includes splices and tray connection hardware

Patent Number – 9.209.609

FSP FITTING SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
FSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - FSP	- G E

- 6" length
- Designed for splicing Itray fittings
- Includes splices and tray connection hardware

Patent Number – 9.209.609

EXSP EXPANSION SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
EXSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - EXSP	- S 6

- Install as required P.xx or NEMA VE-2 (see p. 61)
- Includes splices and tray connection hardware

Patent Number – 9.209.609

USPB UNIVERSAL BLANK SPLICE KIT

A

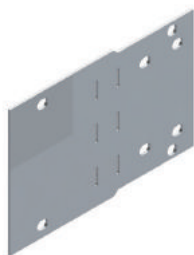


PRODUCT CODE	FASTENER OPTIONS
USPB	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - USPB	- S 6

- Field drill for connection to trays from other manufacturers
- Includes splices and tray connection hardware

USP UNIVERSAL SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
USP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - USP	- G E

- Designed to transition to PW C-channel and other I-beam systems
- Includes splices and tray connection hardware

VHSP VERTICAL HANGER SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
VHSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - VHSP	- G E

- For vertical tray support with threaded rods
- Includes splices and tray connection hardware

ITRAY – SPLICES & CONNECTORS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

B.22

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90SP
90° CONNECTOR SPLICE KIT

A

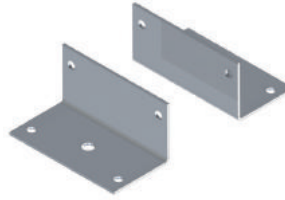


PRODUCT CODE	FASTENER OPTIONS
90SP	GE S6
CATALOG NUMBERING EXAMPLE:	
Rail Height / Material	Fasteners
4 A - 90SP - GE	

- Includes 8 splice bolts for connecting trays

FFSP
FLOOR FLANGE SPLICE KIT

A

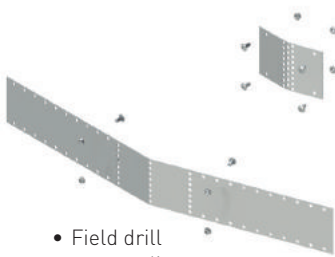


PRODUCT CODE	FASTENER OPTIONS
FFSP	GE S6
CATALOG NUMBERING EXAMPLE:	
Rail Height / Material	Fasteners
4 A - FFSP - S6	

- Includes splices and tray connection hardware

HASP
HORIZONTAL ADJUSTABLE SPLICE KIT

A

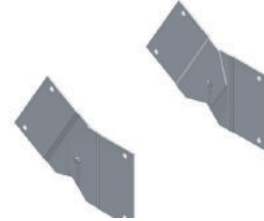


- Field drill outer splices
- Includes splices and tray connection hardware

PRODUCT CODE	FASTENER OPTIONS
HASP	GE S6
CATALOG NUMBERING EXAMPLE:	
Rail Height / Material	Fasteners
4 A - HASP - S6	

**VASP**
VERTICAL ADJUSTABLE SPLICE KIT

A

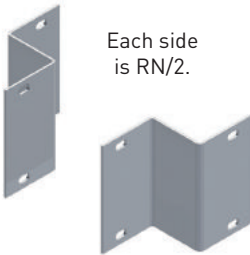


PRODUCT CODE	FASTENER OPTIONS
VASP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Fasteners
4 A - VASP - GE	

- Includes splices and tray connection hardware

**SRSP**
STRAIGHT REDUCER SPLICE KIT

A



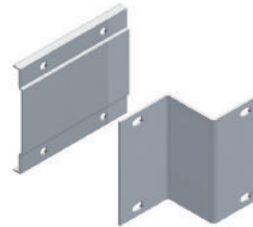
Each side is RN/2.

PRODUCT CODE	FASTENER OPTIONS
SRSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	RN Fasteners
4 A - SRSP - 06 - GE	

- Includes splices and tray connection hardware

ORSP
OFFSET REDUCER SPLICE KIT

A



PRODUCT CODE	FASTENER OPTIONS
ORSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	RN Fasteners
4 A - ORSP - 06 - S6	

- Includes splices and tray connection hardware
- Patented design

TRAY WIDTH REDUCTION (RN) INCHES

3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27

Bonding jumpers are required.

For detailed material and finish descriptions, see page B.6.

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ITRAY - SPLICES & CONNECTORS

B.23

RHSP REDUCING HEIGHT SPLICE KIT

A



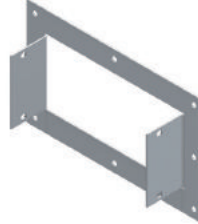
- Includes splices and tray connection hardware

PRODUCT CODE	FASTENER OPTIONS
RHSP	GE S6
CATALOG NUMBERING EXAMPLE:	
H1 / H2 / Material	Fasteners
5 4 A -	RHSP - GE

H1	H2 OPTIONS
5	4 - -
6	4 5 -
7	4 5 6

TBC TRAY-TO-BOX CONNECTOR (FRAME TYPE)

A

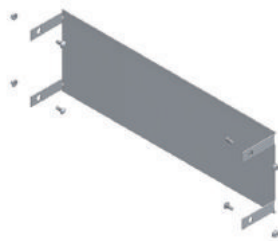


PRODUCT CODE	FASTENER OPTIONS
TBC	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	W Fasteners
4 A -	TBC - 06 - S6

- Includes one frame and connection hardware
- Designed to support Itray at connection to electrical enclosures

BE BLIND END KIT

A



PRODUCT CODE	FASTENER OPTIONS
BE	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	W Fasteners
4 A -	BE - 06 - S6

- Includes one frame and connection hardware

DO DROP OUT KIT

A



PRODUCT CODE	FASTENER OPTIONS
DO	S6
CATALOG NUMBERING EXAMPLE:	
Material	W Fasteners
A -	DO - 06 - S6

- Snaps in place over I-rung

DIV VERTICAL ELBOW DIVIDERS

A



PRODUCT CODE	FASTENER OPTIONS
DIV	ZN S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Elbow R Fasteners
6 A -	DIV - 90VO - 24 - S6

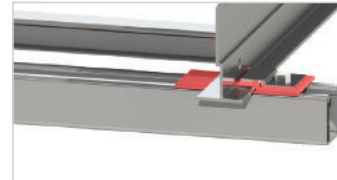
- Each divider includes two self-drilling screws

RADIUS (R) INCHES
12 | 24 | 36

WIDTHS (W) INCHES
6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES
4 | 5 | 6 | 7

IP34 CABLE TRAY ISOLATION PAD



PRODUCT CODE	WIDTH	LENGTH (FOLDED)
IP34	2.75	4

- Reduces vibration from industrial machinery
- Use an electrical isolation barrier or as a barrier between dissimilar metals
- High-visibility red color is useful during inspections
- Made from durable HDPE (High-Density Polyethylene)
- Use with a hold-down clamp or as configured for an expansion guide

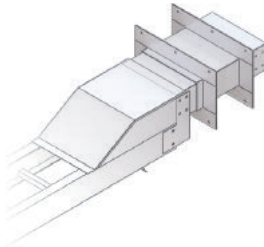
**OHCB
OVERHEAD CLAMP KIT****A**

- Designed for trapeze hanging of Itray without drilling.
- Mounting kits available for 3/8" and 1/2" threaded rod
- Kit includes: eight SFHN (nuts with washers), two top brackets, two bottom brackets. Threaded rod sold separately.
- Load rated at 1220 lbs/pair
- Can be used on fittings or straight sections of PW Itray

PRODUCT CODE	HOLE SIZE	WIDTH	LENGTH (TOP)	LENGTH (BOTTOM)	FASTENERS
OHCB38KIT	.375	1.5	3.6	3	GE
OHCB12KIT	.5	1.5	3.6	3	

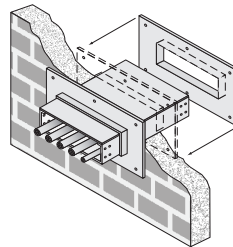
**OCK
OUTDOOR CONVERSION KIT****A**

Makes ladder tray wall penetrations weather resistant to minimize water intrusions. Removable cover/shield fastens to tray and wall penetration sleeve for the utmost in weather protection.



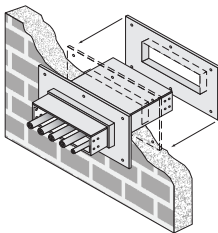
PRODUCT CODE	FASTENER OPTIONS
OCK	GE S6
CATALOG NUMBERING EXAMPLE: H / Material W Fasteners 4 A - OCK - 06 - S 6	

- Wall Penetration Sleeve (WPS or FWPS) not included in kit, must be ordered separately

**FWPS
FIRE WALL PENETRATION SLEEVE****M G**

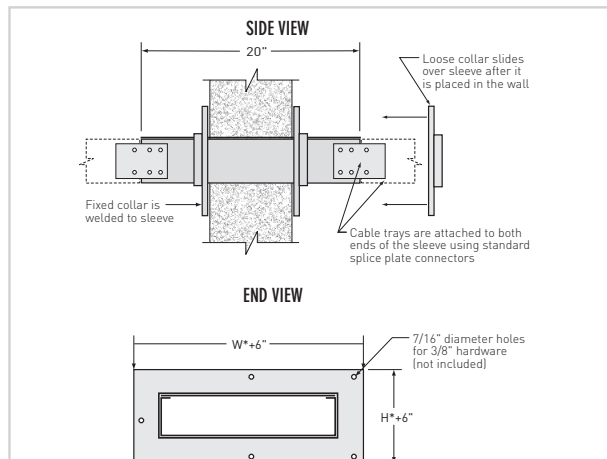
PRODUCT CODE	FASTENER OPTIONS
FWPS	GE S6
CATALOG NUMBERING EXAMPLE: H / Material W Fasteners 4 G - FWPS - 06 - S 6	

- Steel only; aluminum not available as it does not meet fire rating requirements
- See pgs. B.58-59 for more information

**WPS
WALL PENETRATION SLEEVE****M G**

Provides a rigid support for cable tray at wall penetrations. Overall length of the sleeve is 20". Will fit walls up to 8" thick. Bonding jumpers are not required for use with wall sleeves. Two pairs of splice plates and fasteners are included for tray attachment.

PRODUCT CODE	FASTENER OPTIONS
WPS	GE S6
CATALOG NUMBERING EXAMPLE: H / Material W Fasteners 4 M - WPS - 06 - S 6	

**Each cable tray firestop sleeve includes:**

- One penetration sleeve with flanges
- Hilti Fire Blocks
- One Hilti Firestop Putty Stick
- Hardware for cable tray connection to the wall sleeve

UL classified for use with:
 2-hr concrete or block walls
 2-hr concrete floors
 1-hr gypsum walls
 2-hr gypsum walls



LONG-SPAN

Trays for extremely heavy loads and long spans have I-beam side rails and are available in lengths up to 50'.

A ALUMINUM

G HOT-DIP GALVANIZED STEEL

WIDTHS (W) INCHES

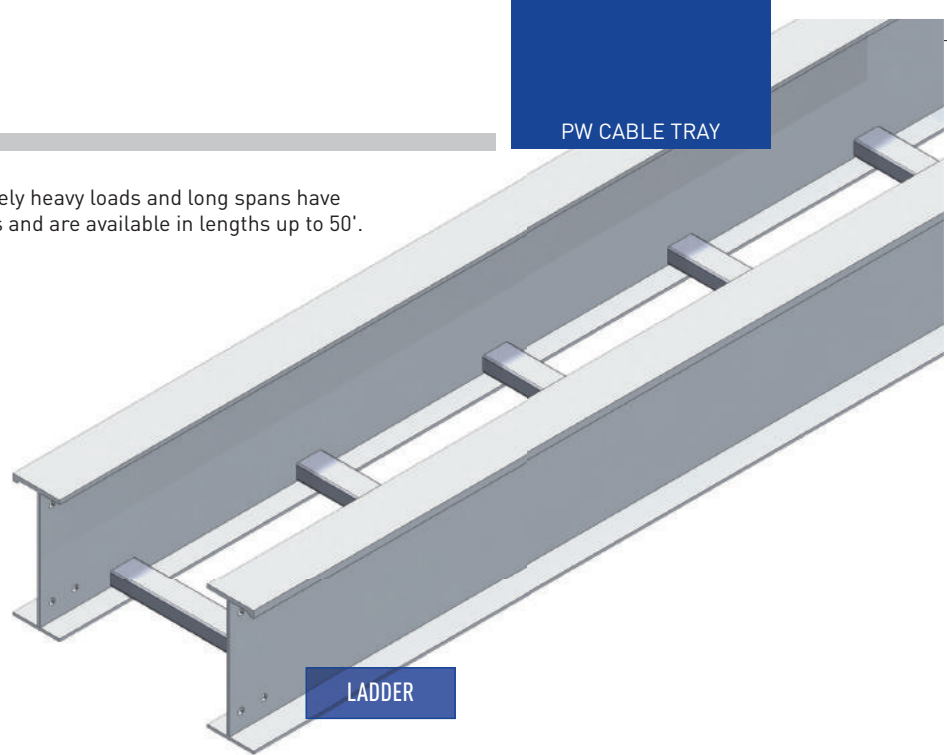
12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

8 | 10

LENGTHS (L) FEET

30 | 40 | 50



CONNECTORS/SPLICES:

Necessary connectors and fasteners are supplied with each section. Extra connectors for field cuts or unusual requirements must be ordered separately.

SAFE LOAD:

Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

CONCENTRATED LOAD:

All ladders will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse.

RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	RAIL FLANGE (IN.)	NEMA CLASS	CSA CLASS	SERIES	TRAY SYSTEM NUMBER	AMP RATING	
8	6*	3	20C+	E, 6M	S2	4823	2000	
	6*	2 1/2			S2	4812	2000	
10	6*	4			S2	4904	2000	

RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	RAIL FLANGE (IN.)	NEMA CLASS	CSA CLASS	SERIES	TRAY SYSTEM NUMBER	AMP RATING	
8	6*	2 1/4	20C+	-	S2	1952	600	
		4			S2	1953	600	
10	5	4			S2	1954*	600	

* 6" load depth is the maximum permissible by NEC; * Fittings not available



Legrand trays marked with CSA load class have been tested (loading, finish and electrical) by UL to CSA standard 126 22.2 .



All Legrand aluminum and steel cable trays are Classified by UL as equipment grounding conductors per NEC 392.60. (UL File No. E60796)

	SUPPORT SPAN (FT.)																	
	20		22		24		26		28		30		34		36		40	
	SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																	
	270	1.88	218	2.22	179	2.58	150	2.98	127	3.39	108	3.81	76	4.44	64	4.70	48	5.31
	292	2.00	236	2.37	194	2.75	162	3.17	137	3.60	117	4.05	82	4.69	69	4.97	52	5.70
	400	1.15	331	1.39	278	1.66	237	1.94	204	2.25	178	2.59	138	3.32	123	3.73	100	4.60

	SUPPORT SPAN (FT.)																									
	20		22		24		26		28		30		32		34		36		38		40		45		50	
	SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																									
	203	0.88	167	1.06	141	1.27	120	1.49	103	1.72	90	1.98	81	2.22	68	2.47	60	2.72	54	3.06	48	3.31				
	360	0.98	298	1.18	250	1.41	213	1.65	184	1.92	160	2.20	139	2.47	121	2.74	107	3.05	95	3.35	85	3.69	66	4.00	51	5.37
	900	1.04	744	1.26	625	1.50	533	1.77	459	2.05	400	2.35	347	2.64	304	2.95	268	3.26	238	3.60	212	3.94	164	4.87	124	5.62

LONG-SPAN STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE ← **09-4823-0030-36** → WIDTH

VENTED
09 - 9" Rung Spacing*
12 - 12" Rung Spacing
* Standard rung spacing

TRAY SYSTEM NUMBER

This identifies the specific tray design and is used as a product number prefix for straight sections.

LENGTH**
0030 - 30'-0"
0040 - 40'-0"
0050 - 50'-0"

12 - 12"
18 - 18"
24 - 24"
30 - 30"
36 - 36"

** For spans shorter than 30' use 7A24C series. See page B.10.

STEEL

G

HOT-DIP
GALVANIZED STEEL

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

LENGTHS (L) FEET

10 | 12 | 20 | 24

CONNECTORS/SPLICES:

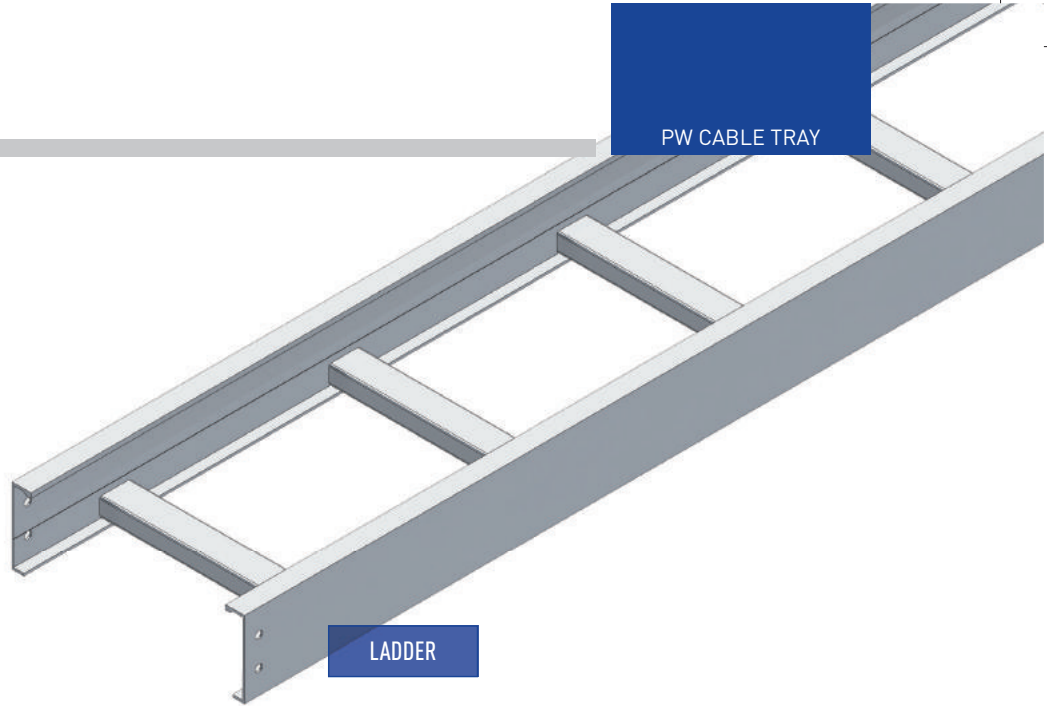
Necessary connectors and fasteners are supplied with each section. Extra connectors for field cuts or unusual requirements must be ordered separately.

SAFE LOAD:

Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

CONCENTRATED LOAD:

All ladders with solid rungs and trays with corrugated bottoms will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse.



LADDER

RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	RAIL FLANGE (IN.)	NEMA CLASS	CSA CLASS	SERIES	TRAY SYSTEM NUMBER		AMP RATING	
4	3	1	12C, 16A	D, 3M	S1	A457	—	100	
			20A, 16B	—	S2	1D80	1D81	200	
		1 1/2	20B, 16C	D, 6M	S2	1D82	1D83	400	
			20C	E, 6M	S2	1D69*	1D70	400	
5	4	1	12C, 16A	D, 3M	S1	1E72	—	100	
			20B, 16C	—	S2	1E45	1E46	400	
		1 1/2	20C	D, 6M	S2	1E53*	1E54	400	
			20C	D, 6M	S2	1E53*	1E54	400	
6	5	1	12C, 16A	D, 3M	S1	A639	—	100	
			20B, 16C	E, 6M	S2	1F45*	1F46	400	
		1 1/2	20C	E, 6M	S2	1F53*	1F54	400	
			20C	E, 6M	S2	1F53*	1F54	400	
7	6	1	12C, 16A	D, 3M	S1	1772	—	100	
			20B, 16C	E, 6M	S2	1755*	1756	400	
		1 1/2	20C	E, 6M	S2	1753	1754	400	
			20C	E, 6M	S2	1753	1754	400	

*1D69, 1F45, and 1F53 corrugated bottom tray systems have a CSA load class D,6M rating. 1E53 and 1755 corrugated bottom tray systems do not have CSA load class ratings.

SPLICES Match above to determine the connectors you need.



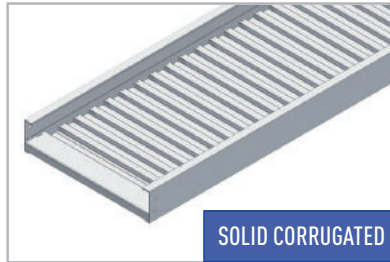
SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.



	SUPPORT SPAN (FT.)																			
	6		8		10		12		14		16		18		20		22		24	
	SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																			
	439	0.31	250	0.55	160	0.86	111	1.24	78	1.61	58	2.06								
	439	0.20	338	0.51	216	0.79	150	1.14	110	1.55	84	2.02	67	2.56	54	3.16	44	3.74	34	4.07
	439	0.16	439	0.50	312	0.88	217	1.26	159	1.72	122	2.25	96	2.84	78	3.51	63	4.18	52	4.87
			439	0.39	400	0.87	278	1.25	204	1.70	156	2.21	123	2.80	100	3.46	81	4.09	66	4.77
	400	0.21	225	0.38	144	0.59	100	0.85	71	1.13	52	1.40								
	439	0.11	439	0.37	304	0.62	211	0.90	155	1.22	119	1.59	94	2.02	76	2.49	61	2.92	50	3.38
			439	0.34	400	0.75	278	1.08	204	1.47	156	1.92	123	2.43	100	3.00	81	3.54	60	4.13
	420	0.13	236	0.22	151	0.35	105	0.50	74	0.65	55	0.83								
	439	0.08	439	0.25	336	0.47	233	0.68	171	0.92	131	1.20	104	1.52	84	1.88	68	2.24	53	2.47
			439	0.20	439	0.50	319	0.75	235	1.02	180	1.34	142	1.69	115	2.09	93	2.48	73	2.75
	400	0.10	225	0.18	144	0.28	100	0.40	71	0.53	52	0.66								
	439	0.07	439	0.22	300	0.38	208	0.54	153	0.73	117	0.96	93	1.22	75	1.50	61	1.79	50	2.08
			439	.017	439	0.42	319	0.63	235	0.86	180	1.12	142	1.42	115	1.75	93	2.11	76	2.52



Legrand trays marked with CSA load class have been tested (loading, finish and electrical) by UL to CSA standard 126 22.2.



All Legrand steel cable trays are Classified by UL as equipment grounding conductors per NEC 392.60. (UL File No. E60796)

METALLIC STRAIGHT SECTIONS - STEEL

STEEL STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:				
BOTTOM TYPE		SYSTEM NO.	PRODUCT NO.	
VENTED	NON-VENTED	09-A457	0012-36	
06 - 6" Rung Spacing	SC [†] - Solid Corrugated	TRAY SYSTEM NUMBER This identifies the specific tray design and is used as a product number prefix for straight sections.	LENGTH	WIDTH
09 - 9" Rung Spacing*	* Standard rung spacing		0010 - 10'-0"	06 - 6"
12 - 12" Rung Spacing	† Not available for flange out tray		0012* - 12'-0"	09 - 9"
18 - 18" Rung Spacing			0020 [†] - 20'-0"	12 - 12"
VC [†] - Vented Corrugated			0024 - 24'-0"	18 - 18"
			* Standard for SERIES 1	24 - 24"
			† Standard for SERIES 2	30 - 30"
				36 - 36"
				RUNG OPTION Add suffix for non-standard rung. See page B.63 for details and other rung options.

For detailed material and finish descriptions, see page B.6.

WWW.LEGRAND.US/CABLOFIL

B.29

STAINLESS STEEL

L	STAINLESS STEEL AISI Type 304L
T	STAINLESS STEEL AISI Type 316L

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

LENGTHS (L) FEET

10 | 12 | 20 | 24

CONNECTORS/SPLICES:

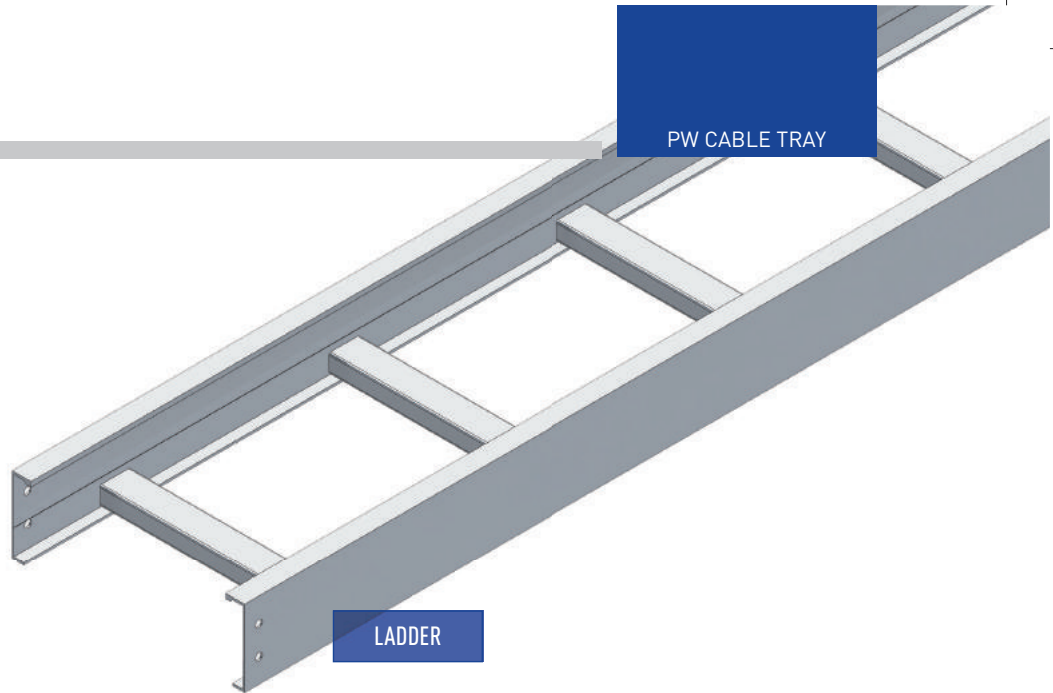
Necessary connectors and fasteners are supplied with each section. Extra connectors for field cuts or unusual requirements must be ordered separately.

SAFE LOAD:

Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

CONCENTRATED LOAD:

All ladders with solid rungs and trays with corrugated bottoms will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse.



LADDER

RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	RAIL FLANGE (IN.)	NEMA CLASS	SERIES	TRAY SYSTEM NUMBER			
4	3	1	12B	S1	3408	3416	—	—
			12C, 16A	S1	3409	3417	—	—
		1½	20A, 16B	S2	3476	3D85	3D63	3D82
			20B, 16C	S2	3456	3D92	3D93	3D58
			20C	S2	3406	3445	3407	3446
5	4	1	12B	S1	3504	3514	—	—
			12C, 16A	S1	3505	3515	—	—
		1½	20B, 16C	S2	3551	3594	3550	3582
			20C	S2	3587	3593	3592	3583
6	5	1	12B	S1	3603	3620	—	—
			12C, 16A	S1	3604	3621	—	—
		1½	20B, 16C	S2	3F67	3F85	3F68	3F66
			20C	S2	3645	3F35	3F58	3F61
7	6	1	12B	S1	3734	3738	—	—
			12C, 16A	S1	3735	3739	—	—
		1½	20B, 16C	S2	3701	3723	3754	3756
			20C	S2	3714	3724	3722	3760

SPLICES Match above to determine the connectors you need.



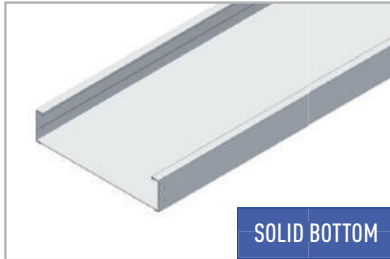
SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.



	SUPPORT SPAN (FT.)																			
	6		8		10		12		14		16		18		20		22		24	
	SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																			
	300	0.30	169	0.54	108	0.85	75	1.22												
	400	0.32	225	0.57	144	0.90	100	1.29	71	1.71	52	2.13								
	556	0.31	313	0.55	200	0.86	139	1.24	102	1.69	78	2.20	62	2.79	50	3.44				
	564	0.24	469	0.62	300	0.97	208	1.39	153	1.89	117	2.47	93	3.13	75	3.70	86	4.60	48	5.13
			564	0.54	400	0.94	278	1.36	204	1.85	156	2.41	123	3.05	100	3.77	81	4.45	63	4.96
	300	0.20	169	0.35	108	0.55	75	0.79												
	400	0.23	225	0.41	144	0.64	100	0.93	71	1.23	52	1.53								
	564	0.16	469	0.42	300	0.66	208	0.95	153	1.29	117	1.69	93	2.14	75	2.64	61	3.14	48	3.51
			564	0.46	400	0.80	278	1.16	204	1.57	156	2.05	123	2.60	100	3.21	81	3.79	63	4.22
	300	0.11	169	0.20	108	0.31	75	0.45												
	400	0.14	225	0.24	144	0.38	100	0.54	71	0.71	52	0.89								
	564	0.12	469	0.32	300	0.51	208	0.73	153	0.99	117	1.30	93	1.64	75	2.03	61	2.42	48	2.70
			564	0.31	400	0.54	278	0.77	204	1.05	156	1.38	123	1.74	100	2.15	81	2.54	63	2.83
	300	0.10	169	0.17	108	0.27	75	0.39												
	400	0.11	225	0.19	144	0.30	100	0.43	71	0.57	52	0.71								
	564	0.10	469	0.26	300	0.41	208	0.58	153	0.79	117	1.04	93	1.31	75	1.62	61	1.93	48	2.15
			564	0.28	400	0.48	278	0.69	204	0.93	156	1.22	123	1.55	100	1.91	81	2.05	63	2.28

STAINLESS STEEL STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE

VENTED

06 – 6" Rung Spacing
 09 – 9" Rung Spacing*
 12 – 12" Rung Spacing
 18 – 18" Rung Spacing

NON-VENTED

SF† – Solid Flat Bottom

* Standard rung spacing

† Not available with flange out tray

09 - 3620 - 0012 - 18 -

TRAY SYSTEM NUMBER

This identifies the specific tray design and is used as a product number prefix for straight sections.

LENGTH

0010 – 10'-0"
 0012* – 12'-0"
 0020* – 20'-0"
 0024 – 24'-0"

* Standard for

SERIES 1

† Standard for

SERIES 2

WIDTH

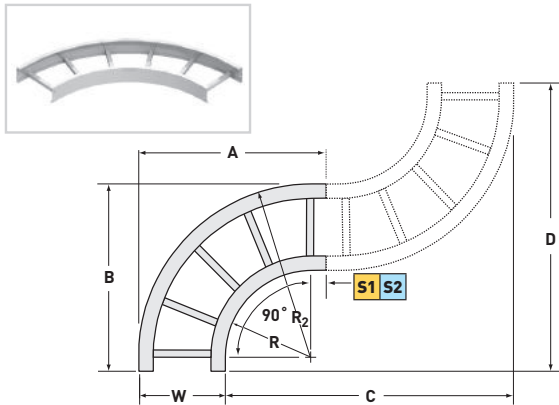
06 – 6"
 09 – 9"
 12 – 12"
 18 – 18"
 24 – 24"
 30 – 30"
 36 – 36"

RUNG OPTION

Add suffix for non-standard rung. See page B.63 for details and other rung options.

HORIZONTAL 90° ELBOW

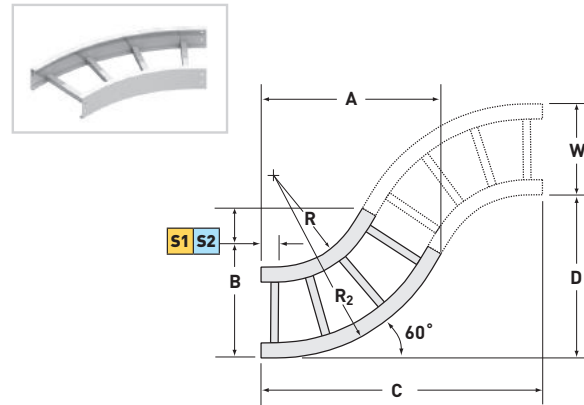
G L T



PRODUCT NUMBER RADIUS (IN.)	W	R2	SERIES1				SERIES2			
			A	B	C	D	A	B	C	D
9012 12"	6	18	20	20	34	34	23	23	40	40
	9	21	23	23	37	37	26	26	43	43
	12	24	26	26	40	40	29	29	46	46
	18	30	32	32	46	46	35	35	52	52
	24	36	38	38	52	52	41	41	58	58
	30	42	44	44	58	58	47	47	64	64
	36	48	50	50	64	64	53	53	70	70
9024 24"	6	30	32	32	58	58	35	35	64	64
	9	33	35	35	61	61	38	38	67	67
	12	36	38	38	64	64	41	41	70	70
	18	42	44	44	70	70	47	47	76	76
	24	48	50	50	76	76	53	53	82	82
	30	54	56	56	82	82	59	59	88	88
	36	60	62	62	88	88	65	65	94	94
9036 36"	6	42	44	44	82	82	47	47	88	88
	9	45	47	47	85	85	50	50	91	91
	12	48	50	50	88	88	53	53	94	94
	18	54	56	56	94	94	59	59	100	100
	24	60	62	62	100	100	65	65	106	106
	30	66	68	68	106	106	71	71	112	112
	36	72	74	74	112	112	77	77	118	118

HORIZONTAL 60° ELBOW

G L T



PRODUCT NUMBER RADIUS (IN.)	W	R2	SERIES1				SERIES2			
			A	B	C	D	A	B	C	D
6012 12"	6	18	18 ⁵ / ₈	13 ³ / ₄	32	18 ¹ / ₂	23 ¹ / ₈	16 ³ / ₈	41	23 ³ / ₄
	9	21	21 ¹ / ₄	16 ³ / ₄	34 ⁵ / ₈	20	25 ⁵ / ₈	19 ³ / ₈	43 ¹ / ₂	25 ¹ / ₄
	12	24	23 ³ / ₄	19 ³ / ₄	37 ¹ / ₈	21 ¹ / ₂	28 ³ / ₈	22 ³ / ₈	46 ¹ / ₄	26 ³ / ₄
	18	30	29	25 ³ / ₄	42 ³ / ₈	24 ¹ / ₂	33 ¹ / ₂	28 ³ / ₈	51 ³ / ₈	29 ³ / ₄
	24	36	34 ¹ / ₈	31 ³ / ₄	47 ¹ / ₂	27 ¹ / ₂	38 ³ / ₈	34 ³ / ₈	56 ¹ / ₂	32 ³ / ₄
	30	42	39 ³ / ₈	37 ³ / ₄	52 ³ / ₄	30 ¹ / ₂	43 ³ / ₈	40 ³ / ₈	61 ³ / ₄	35 ³ / ₄
	36	48	44 ¹ / ₂	43 ³ / ₄	57 ³ / ₈	33 ¹ / ₂	49	46 ³ / ₈	66 ³ / ₈	38 ³ / ₄
6024 24"	6	30	29	19 ³ / ₄	52 ³ / ₄	30 ¹ / ₂	33 ¹ / ₂	22 ³ / ₈	61 ³ / ₄	35 ³ / ₄
	9	33	31 ³ / ₈	22 ³ / ₄	55 ³ / ₈	32	36 ¹ / ₈	25 ³ / ₈	64 ³ / ₈	37 ¹ / ₄
	12	36	34 ¹ / ₈	25 ³ / ₄	57 ³ / ₈	33 ¹ / ₂	38 ³ / ₈	28 ³ / ₈	67	38 ³ / ₄
	18	42	39 ³ / ₈	31 ³ / ₄	63 ³ / ₈	36 ¹ / ₂	43 ³ / ₈	34 ³ / ₈	72 ³ / ₈	41 ³ / ₄
	24	48	44 ¹ / ₂	37 ³ / ₄	68 ³ / ₈	39 ¹ / ₂	49 ³ / ₈	40 ³ / ₈	77 ³ / ₈	44 ³ / ₄
	30	54	49 ³ / ₄	43 ³ / ₄	73 ¹ / ₂	42 ¹ / ₂	54 ¹ / ₈	46 ³ / ₈	82 ³ / ₈	47 ³ / ₄
	36	60	54 ⁷ / ₈	49 ³ / ₄	78 ³ / ₈	45 ¹ / ₂	59 ³ / ₈	52 ³ / ₈	87 ³ / ₄	50 ³ / ₄
6036 36"	6	42	39 ³ / ₈	25 ³ / ₄	73 ¹ / ₂	42 ¹ / ₂	43 ³ / ₈	28 ³ / ₈	82 ¹ / ₂	47 ³ / ₄
	9	45	42	28 ³ / ₄	76 ¹ / ₈	44	46 ¹ / ₂	31 ³ / ₈	85 ³ / ₈	49 ¹ / ₄
	12	48	44 ¹ / ₂	31 ³ / ₄	78 ³ / ₈	45 ¹ / ₂	49 ³ / ₈	34 ³ / ₈	87 ³ / ₄	50 ³ / ₄
	18	54	49 ³ / ₄	37 ³ / ₄	83 ³ / ₈	48 ¹ / ₂	54 ¹ / ₄	40 ³ / ₈	92 ³ / ₈	53 ³ / ₄
	24	60	54 ⁷ / ₈	43 ³ / ₄	89	51 ¹ / ₂	59 ¹ / ₂	46 ³ / ₈	98 ³ / ₈	56 ³ / ₄
	30	66	60 ¹ / ₈	49 ³ / ₄	94 ¹ / ₄	54 ¹ / ₂	64 ³ / ₄	52 ³ / ₈	103 ³ / ₈	59 ³ / ₄
	36	72	65 ¹ / ₄	55 ³ / ₄	99 ³ / ₈	57 ¹ / ₂	69 ³ / ₈	58 ³ / ₈	108 ¹ / ₂	62 ³ / ₄

METALLIC FITTINGS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

SPLICES Match above to determine the connectors you need.



SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

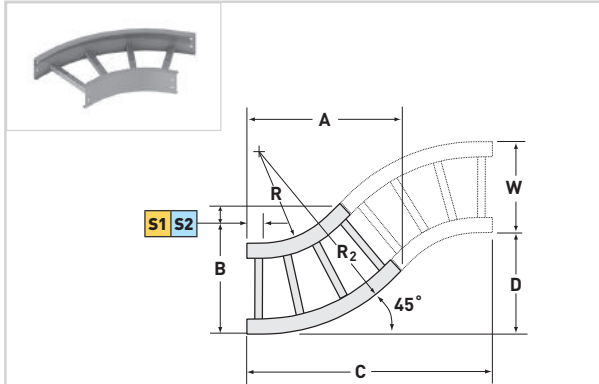
CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.

B.32

HORIZONTAL 45° ELBOW

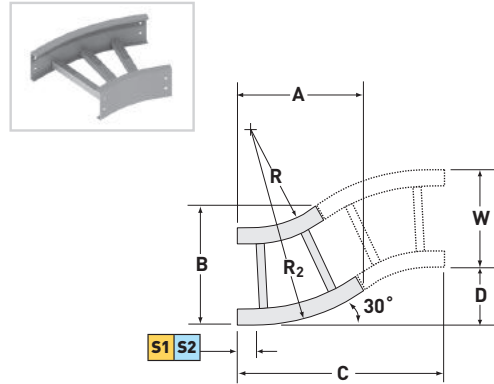
G L T



PRODUCT NUMBER RADIUS (IN.)	W	R2	SERIES1				SERIES2			
			A	B	C	D	A	B	C	D
4512 12"	6	18	16 ¹ / ₈	10 ⁷ / ₈	28	11 ⁵ / ₈	21 ¹ / ₄	13 ³ / ₈	38 ³ / ₈	16
	9	21	18 ¹ / ₄	13 ³ / ₈	30 ¹ / ₈	12 ¹ / ₂	23 ³ / ₈	16 ¹ / ₈	40 ¹ / ₂	16 ⁷ / ₈
	12	24	20 ³ / ₈	16 ¹ / ₈	32 ³ / ₄	13 ³ / ₈	25 ¹ / ₂	19 ¹ / ₈	42 ⁵ / ₈	17 ³ / ₄
	18	30	24 ⁵ / ₈	22 ¹ / ₈	36 ¹ / ₂	15 ¹ / ₈	29 ³ / ₈	25 ¹ / ₈	46 ⁷ / ₈	19 ¹ / ₂
	24	36	28 ⁷ / ₈	28 ¹ / ₈	40 ³ / ₄	16 ³ / ₄	34	31 ¹ / ₈	51 ¹ / ₈	21 ¹ / ₄
	30	42	33 ¹ / ₈	34 ¹ / ₈	45	18 ¹ / ₂	38 ¹ / ₈	37 ¹ / ₈	55 ³ / ₈	23
	36	48	37 ³ / ₈	40 ¹ / ₈	49 ¹ / ₄	20 ¹ / ₄	42 ¹ / ₂	43 ¹ / ₈	59 ⁵ / ₈	24 ³ / ₄
4524 24"	6	30	24 ⁵ / ₈	14 ¹ / ₂	45	18 ³ / ₈	29 ³ / ₈	16 ⁵ / ₈	55 ¹ / ₄	23
	9	33	26 ³ / ₄	17 ¹ / ₂	47 ¹ / ₈	19 ⁵ / ₈	31 ⁷ / ₈	19 ⁵ / ₈	57 ³ / ₈	23 ³ / ₄
	12	36	28 ¹ / ₈	20 ¹ / ₈	49 ¹ / ₄	20 ¹ / ₂	34	22 ⁵ / ₈	59 ¹ / ₂	24 ³ / ₄
	18	42	33 ¹ / ₈	26 ¹ / ₂	53 ¹ / ₂	22 ¹ / ₄	38 ¹ / ₈	28 ⁵ / ₈	63 ³ / ₄	26 ³ / ₈
	24	48	37 ³ / ₈	32 ¹ / ₂	57 ³ / ₄	23 ³ / ₈	42 ¹ / ₂	34 ⁵ / ₈	68	28 ¹ / ₄
	30	54	41 ⁵ / ₈	38 ¹ / ₂	62	25 ⁵ / ₈	46 ³ / ₄	40 ⁵ / ₈	72 ¹ / ₄	30
	36	60	45 ⁷ / ₈	44 ¹ / ₂	66 ¹ / ₄	27 ³ / ₈	51	46 ⁵ / ₈	76 ¹ / ₂	31 ³ / ₄
4536 36"	6	42	33 ¹ / ₈	18 ¹ / ₈	62	25 ⁷ / ₈	38 ¹ / ₄	20 ¹ / ₈	72 ¹ / ₄	29 ⁷ / ₈
	9	45	35 ¹ / ₄	21 ¹ / ₈	64 ¹ / ₈	26 ³ / ₄	40 ³ / ₈	23 ¹ / ₈	74 ³ / ₈	30 ³ / ₄
	12	48	37 ³ / ₈	24 ¹ / ₈	66 ¹ / ₄	27 ⁵ / ₈	42 ¹ / ₂	26 ¹ / ₈	76 ¹ / ₂	31 ³ / ₄
	18	54	41 ⁵ / ₈	30 ¹ / ₈	70 ¹ / ₂	29 ³ / ₈	46 ³ / ₄	32 ¹ / ₈	80 ³ / ₄	33 ³ / ₈
	24	60	45 ⁷ / ₈	36 ¹ / ₈	74 ¹ / ₄	31	51	38 ¹ / ₈	85	35 ¹ / ₄
	30	66	50 ¹ / ₈	42 ¹ / ₈	79	32 ³ / ₄	55 ¹ / ₄	44 ¹ / ₈	89 ¹ / ₄	37
	36	72	54 ³ / ₈	48 ¹ / ₈	83 ¹ / ₄	34 ¹ / ₂	59 ¹ / ₂	50 ¹ / ₈	93 ¹ / ₂	38 ³ / ₄

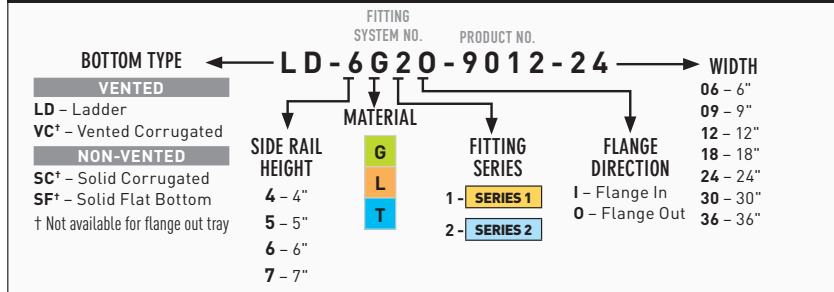
HORIZONTAL 30° ELBOW

G L T



PRODUCT NUMBER RADIUS (IN.)	W	R2	SERIES1				SERIES2			
			A	B	C	D	A	B	C	D
3012 12"	6	18	12 ³ / ₄	8 ⁵ / ₈	22 ¹ / ₂	6	18 ³ / ₈	10 ¹ / ₈	33 ³ / ₄	9
	9	21	14 ¹ / ₄	11 ⁵ / ₈	24	6 ³ / ₈	19 ⁷ / ₈	13 ¹ / ₈	35 ¹ / ₄	9 ¹ / ₂
	12	24	15 ³ / ₄	14 ⁵ / ₈	25 ¹ / ₂	6 ⁷ / ₈	21 ³ / ₈	16 ¹ / ₈	36 ³ / ₄	9 ⁷ / ₈
	18	30	18 ³ / ₄	20 ⁵ / ₈	28 ¹ / ₂	7 ⁵ / ₈	24 ³ / ₈	22 ¹ / ₈	39 ³ / ₄	10 ⁵ / ₈
	24	36	21 ³ / ₄	26 ⁵ / ₈	31 ¹ / ₂	8 ³ / ₈	27 ³ / ₈	28 ¹ / ₈	42 ¹ / ₂	11 ¹ / ₂
	30	42	24 ³ / ₄	32 ⁵ / ₈	34 ¹ / ₂	9 ¹ / ₄	30 ³ / ₈	34 ¹ / ₈	45 ³ / ₄	12 ³ / ₈
	36	48	27 ³ / ₄	38 ⁵ / ₈	37 ¹ / ₂	10	33 ³ / ₈	40 ¹ / ₈	48 ³ / ₄	13 ³ / ₈
3024 24"	6	30	18 ³ / ₄	10 ¹ / ₄	34 ¹ / ₂	9 ¹ / ₄	24 ³ / ₈	11 ³ / ₄	45 ³ / ₄	12 ¹ / ₄
	9	33	20 ¹ / ₄	13 ¹ / ₄	36	9 ⁵ / ₈	25 ⁷ / ₈	14 ³ / ₄	47 ¹ / ₄	12 ⁵ / ₈
	12	36	21 ³ / ₄	16 ¹ / ₄	37 ¹ / ₂	10 ¹ / ₈	27 ³ / ₈	17 ³ / ₄	48 ³ / ₄	13
	18	42	24 ³ / ₄	22 ¹ / ₄	40 ¹ / ₂	10 ⁷ / ₈	30 ³ / ₈	23 ³ / ₄	51 ³ / ₄	13 ³ / ₈
	24	48	27 ³ / ₄	28 ¹ / ₄	43 ¹ / ₂	11 ⁵ / ₈	33 ³ / ₈	29 ³ / ₄	54 ³ / ₄	14 ⁵ / ₈
	30	54	30 ³ / ₄	34 ¹ / ₄	46 ¹ / ₂	12 ¹ / ₂	36 ³ / ₈	35 ³ / ₄	57 ³ / ₄	15 ³ / ₈
	36	60	33 ³ / ₄	40 ¹ / ₄	49 ¹ / ₂	13 ¹ / ₄	39 ³ / ₈	41 ³ / ₄	60 ³ / ₄	16 ¹ / ₄
3036 36"	6	42	24 ³ / ₄	11 ⁷ / ₈	46 ¹ / ₂	12 ¹ / ₂	30 ³ / ₈	13 ³ / ₈	57 ³ / ₄	15 ¹ / ₂
	9	45	26 ¹ / ₄	14 ⁷ / ₈	48	12 ⁵ / ₈	31 ⁷ / ₈	16 ⁷ / ₈	59 ¹ / ₄	15 ⁵ / ₈
	12	48	27 ³ / ₄	17 ¹ / ₈	49 ¹ / ₂	13 ³ / ₈	33 ³ / ₈	19 ³ / ₈	60 ³ / ₄	16 ¹ / ₄
	18	54	30 ³ / ₄	23 ¹ / ₈	52 ¹ / ₂	14 ¹ / ₈	36 ³ / ₈	25 ³ / ₈	63 ³ / ₄	17
	24	60	33 ³ / ₄	29 ¹ / ₈	55 ¹ / ₂	14 ⁷ / ₈	39 ³ / ₈	31 ³ / ₈	66 ³ / ₄	17 ³ / ₈
	30	66	36 ³ / ₄	35 ¹ / ₈	58 ¹ / ₂	15 ³ / ₄	42 ³ / ₈	37 ³ / ₈	69 ³ / ₄	18 ³ / ₄
	36	72	39 ³ / ₄	41 ⁷ / ₈	61 ¹ / ₂	16 ¹ / ₂	45 ³ / ₈	43 ³ / ₈	72 ³ / ₄	19 ¹ / ₂

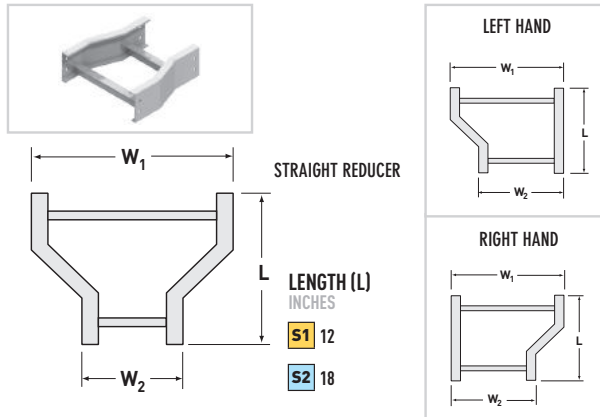
HORIZONTAL ELBOW CATALOG NUMBERING EXAMPLE:



METALLIC FITTINGS

HORIZONTAL REDUCERS

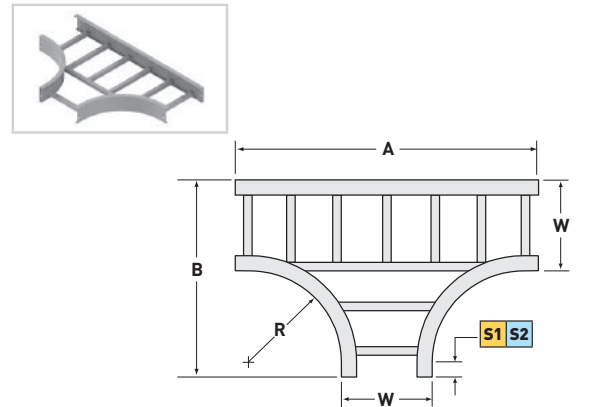
G L T



MAIN WIDTH (IN.) W_1	BRANCH WIDTH (IN.) W_2	PRODUCT NUMBER		
		STRAIGHT	LEFT HAND	RIGHT HAND
9	6	0109	0709	0809
12	6	0112	0712	0812
	9	0112	0712	0812
18	6	0118	0718	0818
	9	0118	0718	0818
	12	0118	0718	0818
24	6	0124	0724	0824
	9	0124	0724	0824
	12	0124	0724	0824
30	6	0130	0730	0830
	9	0130	0730	0830
	12	0130	0730	0830
	18	0130	0730	0830
	24	0130	0730	0830
36	6	0136	0736	0836
	9	0136	0736	0836
	12	0136	0736	0836
	18	0136	0736	0836
	24	0136	0736	0836
	30	0136	0736	0836

HORIZONTAL STANDARD TEE

G L T



PRODUCT NUMBER RADIUS (IN.)	W	SERIES1		SERIES2	
		A	B	A	B
2012 12"	6	34	20	40	23
	9	37	23	43	26
	12	40	26	46	29
	18	46	32	52	35
	24	52	38	58	41
	30	58	44	64	47
2024 24"	36	64	50	70	53
	6	58	32	64	35
	9	61	35	67	38
	12	64	38	70	41
	18	70	44	76	47
	24	76	50	82	53
2036 36"	30	82	56	88	59
	36	88	62	94	65
	6	82	44	88	47
	9	85	47	91	50
	12	88	50	94	53
	18	94	56	100	59
	24	100	62	106	65
	30	106	68	112	71
	36	112	74	118	77

METALLIC FITTINGS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

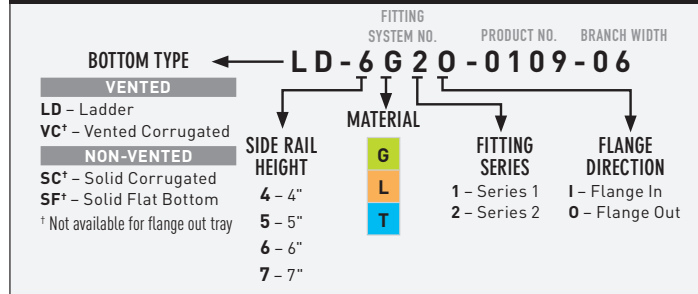
4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

B.34

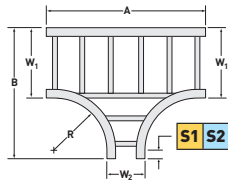
HORIZONTAL REDUCERS CATALOG NUMBERING EXAMPLE:



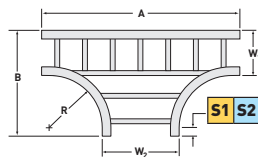
HORIZONTAL REDUCING/
EXPANDING TEES

G L T

REDUCING TEE



EXPANDING TEE



MAIN WIDTH W1	BRANCH WIDTH W2	PRODUCT NUMBER RADIUS (IN.)	SERIES1		SERIES2		PRODUCT NUMBER RADIUS (IN.)	SERIES1		SERIES2		PRODUCT NUMBER RADIUS (IN.)	SERIES1		SERIES2	
			A	B	A	B		A	B	A	B		A	B	A	B
9	6	2012 12"	34	23	40	26	2024 24"	58	35	64	38	2036 36"	82	47	88	50
12	6		34	26	40	29		58	38	64	41		82	50	88	53
	9		37	26	43	29		61	38	67	41		85	50	91	53
	6		34	32	40	35		58	44	64	47		82	56	88	59
18	9		37	32	43	35		61	44	67	47		85	56	91	59
	12		40	32	46	35		64	44	70	47		88	56	94	59
	6		34	38	40	41		58	50	64	53		82	62	88	65
24	9		37	38	43	41		61	50	67	53		85	62	91	65
	12		40	38	46	41		64	50	70	53		88	62	94	65
	18		46	38	52	41		70	50	76	53		94	62	100	65
	6		34	44	40	47		58	56	64	59		82	68	88	71
30	9		37	44	43	47		61	56	67	59		85	68	91	71
	12		40	44	46	47		64	56	70	59		88	68	94	71
	18		46	44	52	47		70	56	76	59		94	68	100	71
	24		52	44	58	47		76	56	82	59		100	68	106	71
	6	36	34	50	40	53		58	62	64	65		82	74	88	77
	9		37	50	43	53		61	62	67	65		85	74	91	77
	12		40	50	46	53		64	62	70	65		88	74	94	77
	18		46	50	52	53		70	62	76	65		94	74	100	77
	24		52	50	58	53		76	62	82	65		100	74	106	77
	30		58	50	64	53		82	62	88	65		106	74	112	77
	6	6	37	20	43	23	2024 24"	61	32	67	35	2036 36"	85	44	91	47
	12		40	20	46	23		64	32	70	35		88	44	94	47
	18		46	20	52	23		70	32	76	35		94	44	100	47
	24		52	20	58	23		76	32	82	35		100	44	106	47
	30		58	20	64	23		82	32	88	35		106	44	112	47
	36		64	20	70	23		88	32	94	35		112	44	118	47
	12	9	40	23	46	26		64	35	70	38		88	47	94	50
	18		46	23	52	26		70	35	76	38		94	47	100	50
	24		52	23	58	26		76	35	82	38		100	47	106	50
	30		58	23	64	26		82	35	88	38		106	47	112	50
	36		64	23	70	26		88	35	94	38		112	47	118	50
	12	12	46	26	52	29		70	38	76	41		94	50	100	53
	18		52	26	58	29		76	38	82	41		100	50	106	53
	24		58	26	64	29		82	38	88	41		106	50	112	53
	30		64	26	70	29		88	38	94	41		112	50	118	53
	36		70	26	76	29		94	38	100	41		118	50	124	53
	18	18	52	32	58	35		76	44	82	47		100	56	106	59
	24		58	32	64	35		82	44	88	47		106	56	112	59
	30		64	32	70	35		88	44	94	47		112	56	118	59
	36	24	70	32	76	35		94	44	100	47		118	56	124	59
	18		58	38	64	41		82	50	88	53		106	62	112	65
	24		64	38	70	41		88	50	94	53		112	62	118	65
	30	30	70	38	76	41		94	50	100	53		118	62	124	65
	36		76	38	82	41		100	50	106	53		124	62	130	65

CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

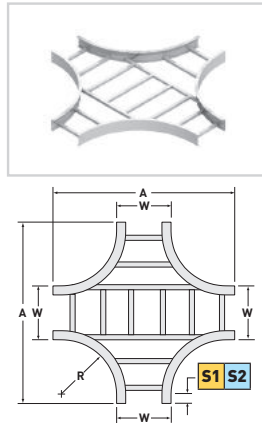
Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.

REDUCING TEE CATALOG NUMBERING EXAMPLE:											
BOTTOM TYPE		LD - 6 G 2 0 - 2012 - 24 12 †		FITTING SYSTEM NO.		PRODUCT NO.		MAIN WIDTH		BRANCH WIDTH	
VENTED		LD - Ladder		VC† - Vented Corrugated		NON-VENTED		SC† - Solid Corrugated		SF† - Solid Flat Bottom	
SIDE RAIL HEIGHT		MATERIAL		FITTING SERIES		FLANGE DIRECTION		W1 (W2)			
4 - 4"		G		1 - SERIES 1		1 - Flange In		09 - 6"		09 - 9"	
5 - 5"		L		2 - SERIES 2		0 - Flange Out		12 - 12"		12 - 12"	
6 - 6"		T						18 - 18"		18 - 18"	
7 - 7"								24 - 24"		24 - 24"	
								30 - 30"		30 - 30"	
								36 - 36"		36 - 36"	

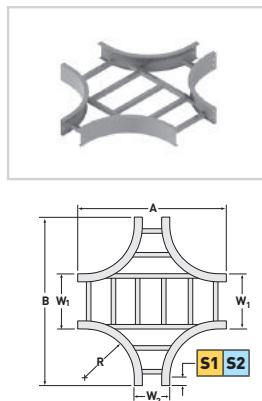
HORIZONTAL CROSSES

G L T

STANDARD CROSS



REDUCING CROSS



W	PRODUCT NUMBER RADIUS (IN.)	SERIES 1	SERIES 2	PRODUCT NUMBER RADIUS (IN.)	SERIES 1	SERIES 2	PRODUCT NUMBER RADIUS (IN.)	SERIES 1	SERIES 2
		A	A		A	A		A	A
6	1012 12"	34	40	1024 24"	58	64	1036 36"	82	88
9		37	43		61	67		85	91
12		40	46		64	70		88	94
18		46	52		70	76		94	100
24		52	58		76	82		100	106
30		58	64		82	88		106	112
36		64	70		88	94		112	118

MAIN WIDTH W1	BRANCH WIDTH W2	PROD. NUM. RADIUS	SERIES 1		SERIES 2		PROD. NUM. RADIUS	SERIES 1		SERIES 2		PROD. NUM. RADIUS	SERIES 1		SERIES 2	
			A	B	A	B		A	B	A	B		A	B	A	B
9	6	1012 12"	34	37	40	43	1024 24"	58	61	64	67	1036 36"	82	85	88	91
12	6		34	40	40	46		58	64	64	70		82	88	88	94
	9		37	40	43	46		61	64	67	70		85	88	91	94
	6		34	46	40	52		58	70	64	76		82	94	88	100
18	9		37	46	43	52		61	70	67	76		85	94	91	100
	12		40	46	46	52		64	70	70	76		88	94	94	100
	6		34	52	40	58		58	76	64	82		82	100	88	106
24	9		37	52	43	58		61	76	67	82		85	100	91	106
	12		40	52	46	58		64	76	70	82		88	100	94	106
	18		46	52	52	58		70	76	76	82		94	100	100	106
	6		34	58	40	64		58	82	64	88		82	106	88	112
30	9		37	58	43	64		61	82	67	88		85	106	91	112
	12		40	58	46	64		64	82	70	88		88	106	94	112
	18		46	58	52	64		70	82	76	88		94	106	100	112
	24		52	58	58	64		76	82	82	88		100	106	106	112
	6	1012 12"	34	64	40	70	1024 24"	58	88	64	94	1036 36"	82	112	88	118
	9		37	64	43	70		61	88	67	94		85	112	91	118
	12		40	64	46	70		64	88	70	94		88	112	94	118
	18		46	64	52	70		70	88	76	94		94	112	100	118
	24		52	64	58	70		76	88	82	94		100	112	106	118
	30		58	64	64	70		82	88	88	94		106	112	112	118

METALLIC FITTINGS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

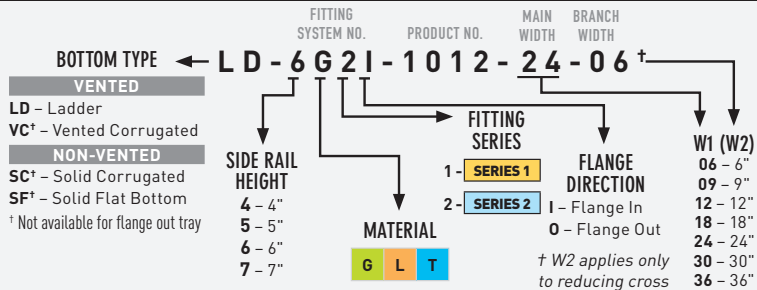
RADIUS (R) INCHES

12 | 24 | 36

B.36

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REDUCING CROSS CATALOG NUMBERING EXAMPLE:



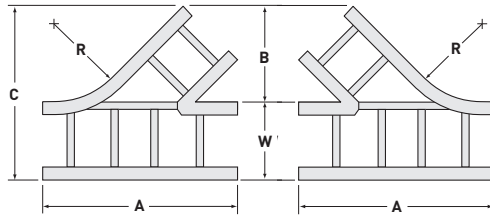
HORIZONTAL WYE BRANCHES

G L T

LEFT HAND



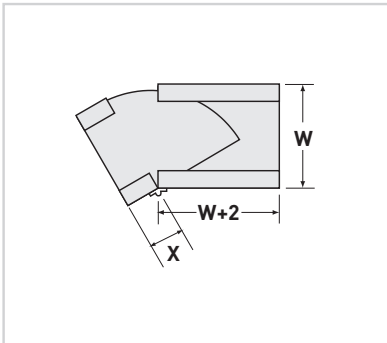
RIGHT HAND



W	PRODUCT NUMBER		SERIES 1			SERIES 2		
	LH RADIUS (IN.)	RH RADIUS (IN.)	A	B	C	A	B	C
6	4024 24"	4124 24"	26 ³ / ₈	10 ¹ / ₄	16 ¹ / ₄	29 ³ / ₈	10 ¹ / ₄	16 ¹ / ₄
9			30 ⁵ / ₈	12 ³ / ₈	21 ³ / ₈	33 ⁵ / ₈	12 ³ / ₈	21 ³ / ₈
12			34 ⁷ / ₈	14 ¹ / ₂	26 ¹ / ₂	37 ⁷ / ₈	14 ¹ / ₂	26 ¹ / ₂
18			43 ³ / ₈	18 ³ / ₄	36 ³ / ₄	46 ³ / ₈	18 ³ / ₄	36 ³ / ₄
24			51 ⁷ / ₈	23	47	54 ⁷ / ₈	23	47
30			60 ³ / ₈	27 ¹ / ₄	57 ¹ / ₄	63 ³ / ₈	27 ¹ / ₄	57 ¹ / ₄
36			68 ³ / ₈	31 ¹ / ₂	67 ¹ / ₂	71 ³ / ₈	31 ¹ / ₂	67 ¹ / ₂

HORIZONTAL ADJUSTABLE ELBOW

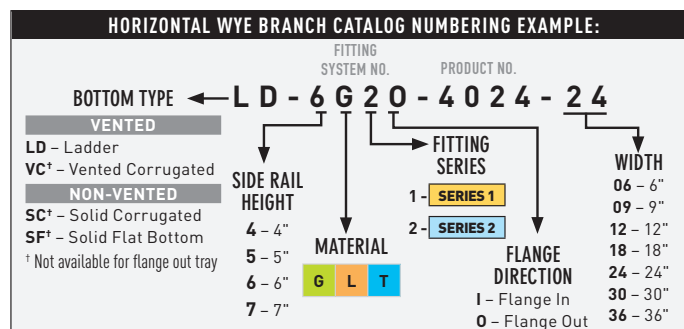
G L T



PRODUCT NUMBER	W	SERIES 1	SERIES 2
		X	X
0401	6	4	7
	9	4	7
	12	4	7
	18	4	7
	24	4	7
	30	4	7
	36	4	7

CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.



METALLIC FITTINGS

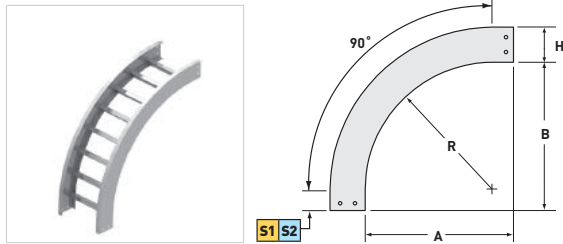
B.37

For detailed material and finish descriptions, see page B.6.

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VERTICAL OUTSIDE 90° ELBOW

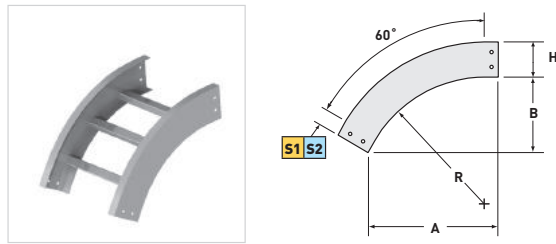
G L T



RAIL HEIGHT (IN.) >		4, 5, 6, 7			
PRODUCT NUMBER RADIUS (IN.)	W*	SERIES 1		SERIES 2	
		A	B	A	B
9212 12"	ALL	14	14	17	17
9224 24"	ALL	26	26	29	29
9236 36"	ALL	38	38	41	41

VERTICAL OUTSIDE 60° ELBOW

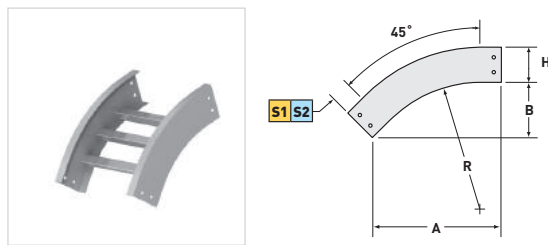
G L T



RAIL HEIGHT (IN.) >		4, 5, 6, 7			
PRODUCT NUMBER RADIUS (IN.)	W*	SERIES 1		SERIES 2	
		A	B	A	B
6212 12"	ALL	13 1/2	7 3/4	18	1 3/8
6224 24"	ALL	23 7/8	13 3/4	28 3/8	16 3/8
6236 36"	ALL	34 1/4	19 3/4	38 3/4	22 3/8

VERTICAL OUTSIDE 45° ELBOW

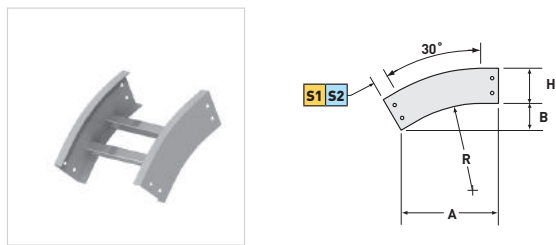
G L T



RAIL HEIGHT (IN.) >		4, 5, 6, 7			
PRODUCT NUMBER RADIUS (IN.)	W*	SERIES 1		SERIES 2	
		A	B	A	B
4712 12"	ALL	12	5	17 1/8	7 1/8
4724 24"	ALL	20 1/2	8 1/2	25 5/8	10 5/8
4736 36"	ALL	28 7/8	12	34	14 1/8

VERTICAL OUTSIDE 30° ELBOW

G L T



RAIL HEIGHT (IN.) >		4, 5, 6, 7			
PRODUCT NUMBER RADIUS (IN.)	W*	SERIES 1		SERIES 2	
		A	B	A	B
3212 12"	ALL	9 3/4	2 5/8	15 5/8	4 1/8
3224 24"	ALL	15 3/4	4 1/4	21 3/8	5 3/4
3236 36"	ALL	21 3/4	5 7/8	27 3/8	7 3/8

METALLIC FITTINGS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

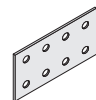
12 | 24 | 36

SPLICES Match above to determine the connectors you need.



SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

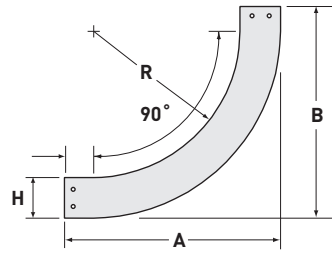
Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.

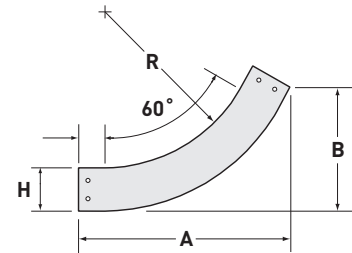
VERTICAL INSIDE 90° ELBOW

G L T



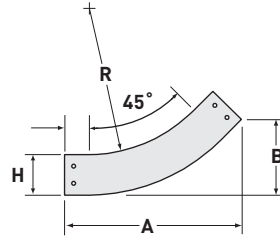
VERTICAL INSIDE 60° ELBOW

G L T



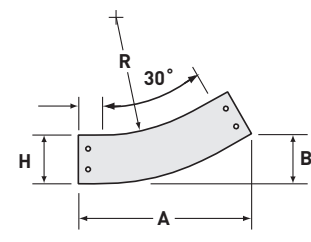
VERTICAL INSIDE 45° ELBOW

G L T



VERTICAL INSIDE 30° ELBOW

G L T



	RAIL HEIGHT >			4				5				6				7			
	PRODUCT NUMBER RADIUS (IN.)	R	W	SERIES 1		SERIES 2		SERIES 1		SERIES 2		SERIES 1		SERIES 2		SERIES 1		SERIES 2	
				A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
90°	9112	12	ALL	18	18	21	21	19	19	22	22	20	20	23	23	21	21	24	24
	9124	24	ALL	30	30	33	33	31	31	34	34	32	32	35	35	33	33	36	36
	9136	36	ALL	42	42	45	45	43	43	46	46	44	44	47	47	45	45	48	48
60°	6112	12	ALL	16 ⁷ / ₈	9 ³ / ₄	21 ³ / ₈	12 ³ / ₈	17 ³ / ₄	10 ¹ / ₄	22 ¹ / ₄	12 ⁷ / ₈	18 ⁵ / ₈	10 ³ / ₄	23 ¹ / ₈	13 ³ / ₈	19 ¹ / ₂	11 ¹ / ₄	24	13 ³ / ₈
	6124	24	ALL	27 ¹ / ₄	15 ³ / ₄	31 ³ / ₄	18 ³ / ₈	28 ¹ / ₈	16 ¹ / ₄	32 ³ / ₈	18 ⁷ / ₈	29	16 ³ / ₄	33 ¹ / ₂	19 ³ / ₈	29 ⁷ / ₈	17 ¹ / ₄	34 ³ / ₈	19 ⁷ / ₈
	6136	36	ALL	37 ³ / ₄	21 ³ / ₄	42 ¹ / ₄	24 ³ / ₈	38 ⁵ / ₈	22 ¹ / ₄	43 ¹ / ₈	24 ⁷ / ₈	39 ³ / ₈	22 ³ / ₄	43 ³ / ₈	25 ³ / ₈	40 ¹ / ₄	23 ¹ / ₄	44 ³ / ₄	25 ³ / ₈
45°	4612	12	ALL	14 ³ / ₄	6 ¹ / ₈	19 ⁷ / ₈	8 ¹ / ₄	15 ¹ / ₂	6 ¹ / ₂	20 ⁵ / ₈	8 ³ / ₈	16 ¹ / ₄	6 ³ / ₄	21 ³ / ₈	8 ⁷ / ₈	16 ⁷ / ₈	7	22	9 ¹ / ₈
	4624	24	ALL	23 ³ / ₄	9 ³ / ₈	28 ³ / ₈	11 ³ / ₄	24	10	29 ¹ / ₈	12 ¹ / ₈	24 ³ / ₈	10 ¹ / ₄	29 ³ / ₈	12 ³ / ₈	25 ³ / ₈	10 ¹ / ₂	30 ¹ / ₂	12 ³ / ₈
	4636	36	ALL	31 ³ / ₄	13 ¹ / ₄	36 ⁷ / ₈	15 ¹ / ₄	32 ¹ / ₂	13 ¹ / ₂	37 ⁵ / ₈	15 ⁵ / ₈	33 ¹ / ₈	13 ³ / ₄	38 ¹ / ₄	15 ⁷ / ₈	33 ⁷ / ₈	14	39	16 ¹ / ₄
30°	3112	12	ALL	11 ³ / ₄	3 ¹ / ₄	17 ³ / ₈	4 ³ / ₄	12 ¹ / ₄	3 ¹ / ₄	17 ⁷ / ₈	4 ³ / ₄	12 ³ / ₄	3 ³ / ₈	18 ³ / ₈	4 ⁷ / ₈	13 ¹ / ₄	3 ⁵ / ₈	18 ⁷ / ₈	5 ¹ / ₈
	3124	24	ALL	17 ³ / ₄	4 ³ / ₄	23 ³ / ₈	6 ¹ / ₄	18 ¹ / ₄	4 ⁷ / ₈	23 ⁷ / ₈	6 ³ / ₈	18 ³ / ₄	5	24 ³ / ₈	6 ¹ / ₂	19 ¹ / ₄	5 ¹ / ₄	24 ⁷ / ₈	6 ³ / ₄
	3136	36	ALL	23 ³ / ₄	6 ³ / ₄	29 ³ / ₈	7 ¹ / ₈	24 ¹ / ₄	6 ¹ / ₂	29 ⁷ / ₈	8	24 ³ / ₄	6 ⁵ / ₈	30 ³ / ₈	8 ¹ / ₈	25 ¹ / ₄	6 ⁷ / ₈	30 ⁷ / ₈	8 ³ / ₈

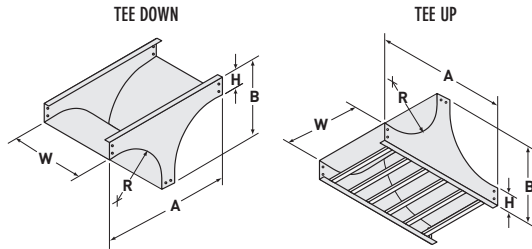
VERTICAL ELBOW CATALOG NUMBERING EXAMPLE:									
FITTING SYSTEM NO.					PRODUCT NO.				
LD - 6 G 2 I - 6 1 2 4 - 2 4									
BOTTOM TYPE					WIDTH				
LD - Ladder					06 - 6"				
VC† - Vented Corrugated					09 - 9"				
NON-VENTED					12 - 12"				
SC† - Solid Corrugated					18 - 18"				
SF† - Solid Flat Bottom					24 - 24"				
† Not available for flange out tray					30 - 30"				
					36 - 36"				
SIDE RAIL HEIGHT					FLANGE DIRECTION				
4 - 4"					I - Flange In				
5 - 5"					O - Flange Out				
6 - 6"									
7 - 7"									
MATERIAL					FITTING SERIES				
G L T					1 - SERIES 1				
					2 - SERIES 2				

For detailed material and finish descriptions, see page B.6.

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VERTICAL TEES

G L T

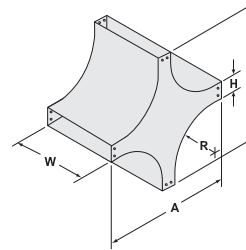


TEE UP fittings have rungs or bottom members for cable support across the bottom of the fitting.

PRODUCT NUMBER RADIUS (IN.)		W	H	SERIES 1		SERIES 2	
TEE DOWN	TEE UP			A	B	A	B
2124 24"	2224 24"	ALL	4	56	30	62	33
			5	57	31	63	34
			6	58	32	64	35
			7	59	33	65	36

VERTICAL CROSS

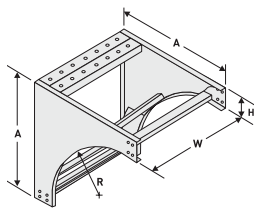
G L T



PRODUCT NUMBER RADIUS (IN.)	W	H	SERIES 1	SERIES 2
			A	A
1124 24"	ALL	4	56	62
		5	57	63
		6	58	64
		7	59	65

VERTICAL 90° SUPPORT ELBOW

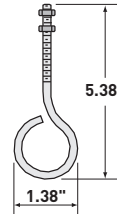
G L T



Supports cables at the top of long vertical drops where the weight of the vertical cable may be excessive. Hooks (sold separately) attach to the brace in the elbow; when used with cable grips (supplied by others), tension in the vertical cable is relieved and transferred to the elbow.

PRODUCT NUMBER RADIUS	W	H	SERIES 2
			A
9312 12"	ALL	4	21
		5	22
		6	23
		7	24
9324 24"	ALL	4	33
		5	34
		6	35
		7	36
9336 36"	ALL	4	45
		5	46
		6	47
		7	48

CABLE SUPPORT HOOK



COMPLETE CATALOG NO.

DS-1841-ZN

Itray
COMPATIBLE

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

RADIUS (R) INCHES

12 | 24 | 36

VERTICAL TEE DOWN CATALOG NUMBERING EXAMPLE:

FITTING SYSTEM NO.		PRODUCT NO.	
BOTTOM TYPE	LD - 6	G	2
VENTED			
LD - Ladder			
VC* - Vented Corrugated			
NON-VENTED			
SC* - Solid Corrugated			
SF* - Solid Flat Bottom			
* Not available for flange out tray			
SIDE RAIL HEIGHT	4 - 4"		
	5 - 5"		
	6 - 6"		
	7 - 7"		
MATERIAL	G L T		
FITTING SERIES	1 - SERIES 1		
	2 - SERIES 2		
FLANGE DIRECTION	I - Flange In		
	O - Flange Out		
WIDTH	06 - 6"		
	09 - 9"		
	12 - 12"		
	18 - 18"		
	24 - 24"		
	30 - 30"		
	36 - 36"		

CONNECTORS/SPLICES - Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.



METALLIC

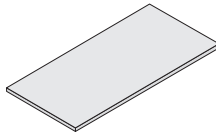
B.41

For detailed material and finish descriptions, see page B.6.

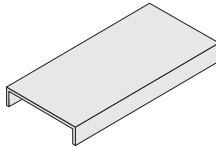
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TRAY COVERS

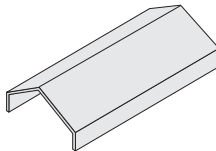
SOLID COVERS



FLAT, NON-FLANGED

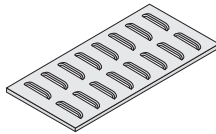


FLAT, FLANGED

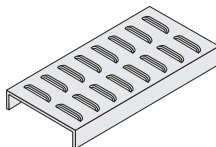


PEAKED 15°, FLANGED

LOUVERED COVERS



FLAT, NON-FLANGED



FLAT, FLANGED

Covers protect and contain cables. They are highly recommended to avoid damage to the tray contents and to protect against the elements. Some covers can also be attached to the tray with hinges; please contact Legrand for more information.

	FLANGE IN	1 1/4" FLANGE OUT
	SERIES 2	
	SOLID, FLAT — NON-FLANGED PRODUCT NUMBER	
M	2002	2067
L	3002	3038
T	3042	3039
	SOLID, FLAT — FLANGED* PRODUCT NUMBER	
M	2000	2066
G	1000	1066
L	3000	3036
T	3005	3029
	SOLID, PEAKED 15° — FLANGED† PRODUCT NUMBER	
M	2140	2114
G	1140	1114
L	3128	3131
T	3017	3040
	LOUVERED, FLAT — NON-FLANGED PRODUCT NUMBER	
M	2006	2112
L	3050	3117
T	3041	3112
	LOUVERED, FLAT — FLANGED* PRODUCT NUMBER	
M	2007	2104
G	1007	1104
L	3070	3003
T	3076	3113

* Flange is 3/8" wide.

† 15° is standard angle for peaked covers. Flange is 3/8" wide.

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

METALLIC COVERS

COVER CATALOG NUMBERING EXAMPLE:

COVER SYSTEM NO.	LENGTH OR FITTING PRODUCT NO.	COVER THICKNESS
60-2000	0012-36-05-B	
SIDE RAIL HEIGHT* 40 - 4" 50 - 5" 60 - 6" 70 - 7"	LENGTH 0006** - 6' 0010 - 10' 0012 - 12' or 9224 FITTING PRODUCT NO.	Letter suffixes are used to indicate alternate cover thicknesses. Leave blank for standard thickness. Letter suffixes are used to indicate alternate cover thicknesses. Leave blank for standard thickness.
	WIDTH 05 - SERIES 2 (5" Tangents)	

* Side rail height necessary for outside vertical fitting covers.
** Standard length for steel covers hot-dip galvanized after fabrication per ASTM-A-123 is 6'-0".

Standards:

G	18 Ga.
M	20 Ga.
L	
T	
A	18 Gage (0.048")
B	16 Gage (0.060")
C	14 Gage (0.075")

B.42

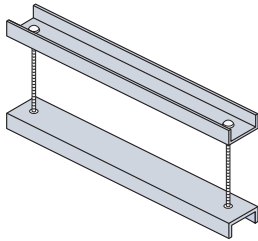
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FLAT COVER CONNECTORS

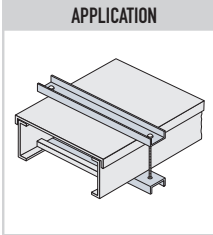
M T G*

For use with indoor, outdoor, or vertical flat covers. Top and bottom pieces are 1½" wide. Install one connector over each cover joint and space additional connectors on 36"- 48" centers.

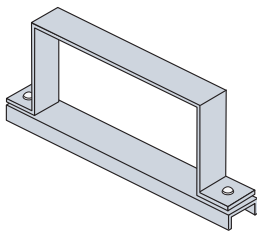
CHANNEL-STYLE



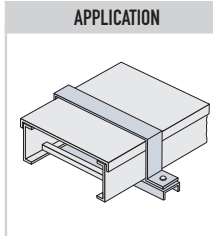
APPLICATION



STRAP-STYLE



APPLICATION



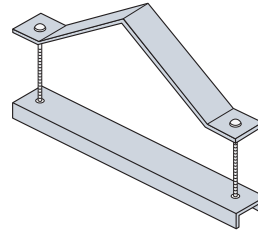
DESCRIPTION	PRODUCT NUMBER	FASTENERS
CHANNEL	1400	ZN S6
STRAP	1423	GE S6

PEAKED COVER CONNECTORS

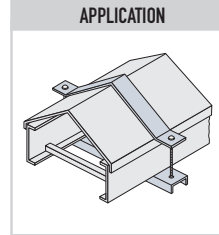
M T G*

For use with indoor, outdoor, or vertical peaked covers. Top and bottom pieces are 1½" wide. Install one connector over each cover joint and space additional connectors on 36"- 48" centers.

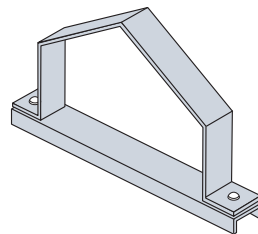
CHANNEL-STYLE



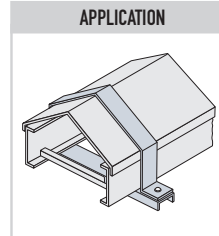
APPLICATION



STRAP-STYLE



APPLICATION

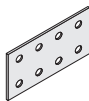


DESCRIPTION	PRODUCT NUMBER	FASTENERS
CHANNEL	1411	ZN S6
STRAP	1440	GE S6

SPLICES Match above to determine the connectors you need.

**SERIES1**

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.

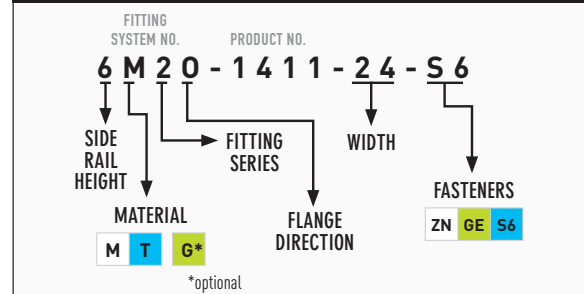
**SERIES2**

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.

COVER CONNECTOR CATALOG NUMBERING EXAMPLE:

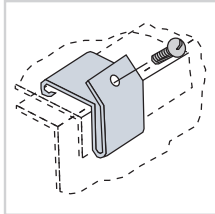


COVER CONNECTOR CLIPS

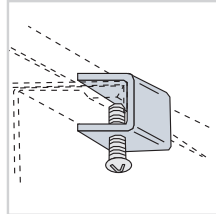
T


For use with indoor, horizontal covers. Flange-in clip requires tray with 1" side rail flanges. Flange-out clip works with any side rail flange width. Sold individually.

FLANGE-IN CLIP



FLANGE-OUT CLIP



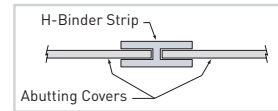
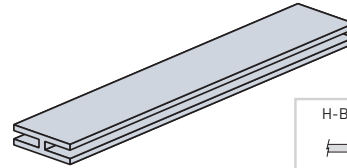
DESCRIPTION	PRODUCT NUMBER	FASTENER INCLUDED
FLANGE-IN	1410	
FLANGE-OUT	1853*	
CATALOG NUMBERING EXAMPLE (EA.):		
Material	Fasteners	
T - 1410	- S6	

*1853 is
Itray
COMPATIBLE

H-BINDER COVER JOINT STRIP

A

Closes gaps at cover joints. Notched for the tray side rail. No fasteners required.

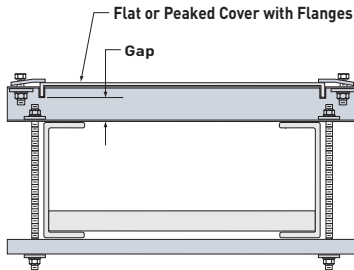


DESCRIPTION	PRODUCT NUMBER
FLAT COVER CLIP	0925
PEAKED COVER CLIP	0926
CATALOG NUMBERING EXAMPLE (EA.):	
Connector System No.†	Width
A 20 -	0925 - 06
*AI, A10 and A20 are the only three Connector System No. possibilities for this part.	
AI is Itray COMPATIBLE	

RAISED COVER CONNECTOR

M T G*

For use with all covers, indoors and outdoors. Covers are attached to uprightmounted "C" channel on the top of the cable tray. Install 36"-48" on center.



GAP DIMENSION (IN.)	PRODUCT NUMBER	FASTENER OPTIONS
1	1441	<div>ZN S6</div>
2	1442	
3	1443	
4	1444	
CATALOG NUMBERING EXAMPLE:		
Fitting System No.	Width	Fasteners
6 T 20 -	1441 -	06 - S6

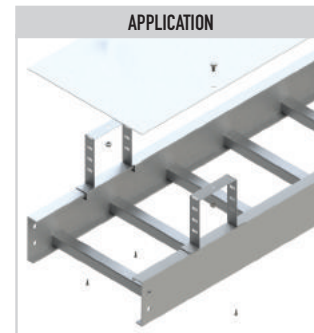
RAISED COVER CONNECTOR

A M T

Raised cover connectors allow for ventilation of ladder tray installations while protecting cables from possible falling objects. Raised cover connectors allow a gap of 1", 2", 3" or 4".




Itray
COMPATIBLE



PRODUCT NUMBER	FASTENER INCLUDED
1432	S6
CATALOG NUMBERING EXAMPLE (EA.):	
Material	Fasteners
M -	1432 - S6

CONNECTORS/SPLICES – Necessary connectors and fasteners are supplied with each section per the below chart. Extra connectors for field cuts or unusual requirements must be ordered separately.

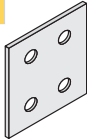
Elbows, Reducers	1 pair ea.
Tees, Wye	2 pairs ea.
Crosses	3 pairs ea.

Cadmium-plated steel fasteners are standard for all splice plate connectors on aluminum and steel cable tray systems. **All splices are supplied in pairs.** Type 316 stainless steel fasteners are standard on stainless steel systems, but are available as an option on all aluminum and steel systems. Sufficient connector pairs with fasteners are automatically included with each shipment of straight sections and fittings. Extras for field cuts or spares must be ordered separately. Bonding jumpers are required for all expansion splice plates, adjustable connectors, and tray discontinuities. The  symbol indicates that bonding jumpers are required.

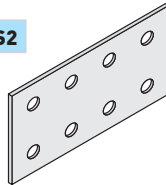
STANDARD SPLICE

G T

SERIES1



SERIES2

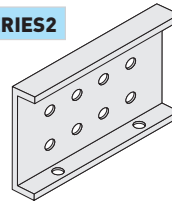


PRODUCT NUMBER	FASTENER OPTIONS
1302	GE S6
CATALOG NUMBERING EXAMPLE: Connector System No. Fasteners 4 G 1 - 1302 - G E	

MID-SPAN SPLICE

G T

SERIES2



These heavy-duty splice plates are designed for random location, including mid-span. Field-drilled holes are required in the bottom flanges of adjoining trays.

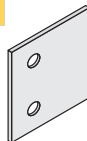
PRODUCT NUMBER	FASTENER OPTIONS
1385	GE S6
CATALOG NUMBERING EXAMPLE: Connector System No.† Fasteners 4 G 2 - 1385 - S 6	
†This item must be specified as Series 2 in the System No.	

UNIVERSAL SPLICE

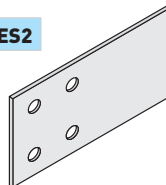
G T

These splice plates are designed to connect to existing cable tray.

SERIES1



SERIES2



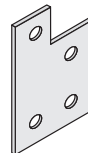
PRODUCT NUMBER	FASTENER OPTIONS
1335	GE S6
CATALOG NUMBERING EXAMPLE: Connector System No.† Fasteners 4 G 1 - 1335 - G E	

REDUCING HEIGHT SPLICE

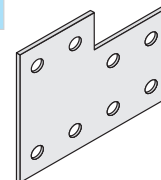
G T

These splice plates are designed to connect cable tray side rails with different heights. The connector system number includes the larger side rail height. Choose the product number depending on the reduced side rail height.

SERIES1



SERIES2



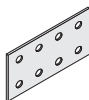
PRODUCT NUMBER	SIZE	FASTENER OPTIONS
1386	REDUCES TO 4" HIGH TRAY	<div>GE</div> <div>S6</div>
1379	REDUCES TO 5" HIGH TRAY	
1355	REDUCES TO 6" HIGH TRAY	
CATALOG NUMBERING EXAMPLE:		
Connector System No.		Fasteners
6 G 2 -		1386 - G E

SPLICES Match above to determine the connectors you need.



SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

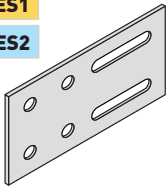
Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

Cadmium-plated steel fasteners are standard for all splice plate connectors on aluminum and steel cable tray systems. **All splices are supplied in pairs.** Type 316 stainless steel fasteners are standard on stainless steel systems, but are available as an option on all aluminum and steel systems. Sufficient connector pairs with fasteners are automatically included with each shipment of straight sections and fittings. Extras for field cuts or spares must be ordered separately. Bonding jumpers are required for all expansion splice plates, adjustable connectors, and tray discontinuities. The symbol indicates that bonding jumpers are required.

EXPANSION SPLICE

G T

SERIES1
SERIES2



Permits thermal contraction and expansion in a cable tray installation. The length of the straight cable tray run and the temperature differential govern the number and spacing of expansion splice connectors. Expansion splice plates permit 2" of movement.

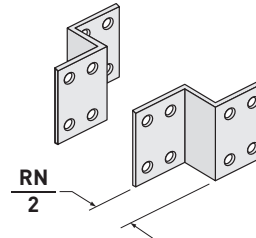
PRODUCT NUMBER	FASTENER OPTIONS
1314	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
4 G 2 - 1314	- G E



STRAIGHT REDUCER SPLICE

G T

SERIES1
SERIES2

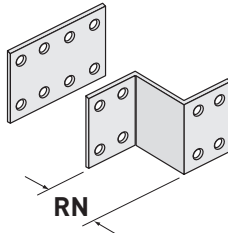


PRODUCT NUMBER	FASTENER OPTIONS
1303	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	RN Fasteners
4 G 2 - 1303	- 0 6 - G E

OFFSET REDUCER SPLICE

G T

SERIES1
SERIES2

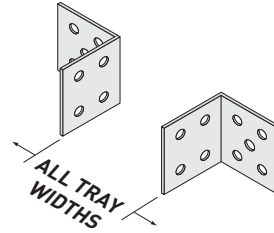


PRODUCT NUMBER	FASTENER OPTIONS
1304	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	RN Fasteners
4 G 2 - 1304	- 12 - S 6

90° CONNECTOR

G T

SERIES1
SERIES2



PRODUCT NUMBER	FASTENER OPTIONS
1320	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
4 G 2 - 1320	- G E

METALLIC SPLICES & CONNECTORS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

REDUCTION (RN) INCHES

3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30

SPICES Match above to determine the connectors you need.



SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



SERIES2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

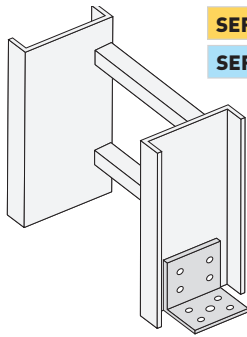
B.46

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All splices are supplied in pairs. Bonding jumpers are required for use with all adjustable splices. ↕

FLOOR FLANGE / TRAY-TO-BOX CONNECTOR

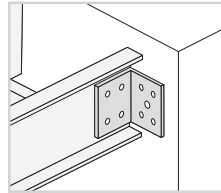
G T



SERIES1

SERIES2

Fasteners for tray attachment only are included. Floor connection leg has $\frac{9}{16}$ " diameter hole.



PRODUCT NUMBER	FASTENER OPTIONS
1864	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
4 G 2 - 1864	- GE

HORIZONTAL ADJUSTABLE SPLICE

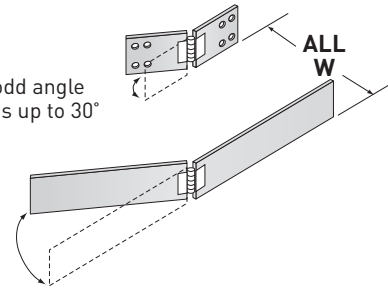
G T

SERIES1

SERIES2



For odd angle bends up to 30°



PRODUCT NUMBER	FASTENER OPTIONS
1305	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
4 G 2 - 1305	- GE

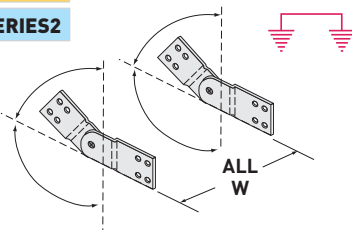
VERTICAL ADJUSTABLE SPLICE

G T

SERIES1

SERIES2

Maximum bend angle is $\pm 90^\circ$



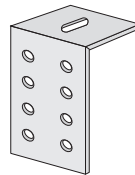
PRODUCT NUMBER	FASTENER OPTIONS
1307	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
4 G 2 - 1307	- GE

VERTICAL HANGER SPLICE

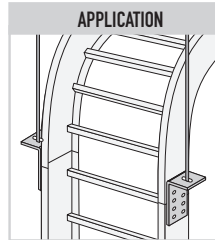
G T

SERIES1

SERIES2



APPLICATION



PRODUCT NUMBER	FASTENER OPTIONS
0356	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Fasteners
6 G 2 - 0356	- S6

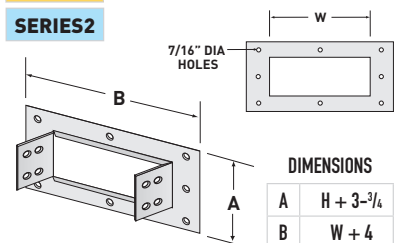
TRAY-TO-BOX FRAME CONNECTOR

G T

SERIES1

SERIES2

Sold individually.



DIMENSIONS

A	H + 3-3/4
B	W + 4

PRODUCT NUMBER	FASTENER OPTIONS
0403	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No.	Width Fasteners
4 G 2 - 0403	- 12 - GE

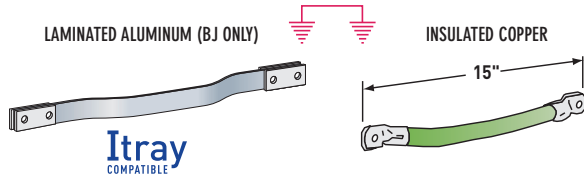
All connectors on these pages are designed to fit Series 1 and 2 systems. When ordering, however, they should be specified as Series 2.

For detailed material and finish descriptions, see page B.6.

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BONDING JUMPERS

Use across all discontinuities, expansion joints, and adjustable connectors to maintain electrical continuity in the cable tray system. Also use to bond the cable tray system to the building ground. Bonding jumpers are not required at standard or rigid splice locations. Fasteners for laminated bonding jumpers are included; fasteners for insulated jumpers must be ordered separately.



Laminated Aluminum: (4) $\frac{3}{8}$ " x $\frac{1}{4}$ " bolts per bonding jumper (included).

Insulated Copper: Made with flame-retardant, moisture- and heat-resistant, insulated copper cable. Tin plated copper lugs have one hole, sized for $\frac{3}{8}$ " x $\frac{3}{4}$ " bolt. Length is 15" to the center of the lug holes. Special lengths, lugs, and cables are also available.

SPLICE FASTENERS



Knurled Bolt: Specially designed for cable tray connectors, the ribbed neck firmly grips the tray side rail to prevent screw rotation while tightening. Bolt can also be tightened with a Phillips screwdriver.



Flanged Hex Nut: "Free spinning" lock-type nut with a serrated face, eliminating the need for a washer. Nuts require a $\frac{9}{16}$ " wrench. Tighten to approximately 19-25 ft-lbs of torque.



Locking Hex Nut: For use with expansion connectors. Deformed threads cause this nut to lock on to the bolt after just a few turns, allowing movement of the bolt in the expansion slot without possibility of the nut backing off. Typically identified by a rectangular indentation on the side of the nut.



Flat Washer: For use with expansion connectors. Install under the locking hex nut in the expansion slots. Prevents binding in the expansion slot during movement of the tray due to thermal expansion.

LAMINATED ALUMINUM

A

PRODUCT NUMBER	L	RATED AMPS (N.E.C. 250-122)
BJ	21 1/4"	2000

CATALOG NUMBERING EXAMPLE (EA.):

Material Fasteners
A - BJ - 2000 - GE

INSULATED COPPER

C

PRODUCT NUMBER	COPPER CABLE SIZE	RATED AMPS (N.E.C. 250-122)
A806	#6	200
A807	#4	300
A804	#2	500
A803	#1	600
A808	1/0	800
A809	2/0	1000
A805	3/0	1200
A810	4/0	1600

A814* 4/0 WELDING CABLE 2107 STRANDS 1800

CATALOG NUMBERING EXAMPLE (EA.):

Material
C - A806

*Length is 30" to the center of the lug holes. One-hole tin-plated copper lugs are sized for $\frac{1}{2}$ " bolt. A814 is the only insulated copper bonding jumper that is compatible with Itray, as the other sizes are 15".

DESCRIPTION	SIZE	COMPLETE CATALOG NUMBER	
KNURLED BOLT	$\frac{3}{8}$ "-16 x $\frac{3}{4}$ "	DS-8926-01-GE	GE
		DS-8926-01-S6	S6
FLANGED HEX NUT	$\frac{3}{8}$ " DIA.	DS-8927-01-GE	GE
		DS-8927-01-S6	S6
LOCKING HEX NUT	$\frac{3}{8}$ " DIA.	DS-8576-02-GE	GE
		DS-8576-01-S6	S6
FLAT WASHER	$\frac{3}{8}$ " DIA.	DS-8600-01-GE	GE
		DS-8600-01-S6	S6

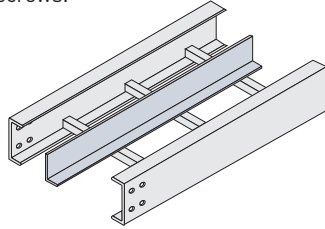
RAIL HEIGHTS (H) INCHES

B.48 4 5 6 7

STRAIGHT HORIZONTAL DIVIDER

A M T G*

For use with all straight tray. Furnished with four #10 self-drilling screws.

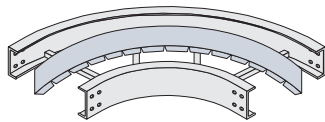
Itray
COMPATIBLE

PRODUCT NUMBER	L	FASTENER OPTIONS
0012-99	12	ZN S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
4 A -		0012-99 - ZN

FLEXIBLE HORIZONTAL DIVIDER

A M T G*

For use with all horizontal fittings of any radius. Furnished with three #10 self-drilling screws.

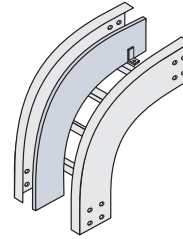
Itray
COMPATIBLE

PRODUCT NUMBER	L	FASTENER OPTIONS
0606-99	6'	ZN S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
4 T -		0606-99 - S6

VERTICAL FITTING DIVIDER

A M T G*

Furnished with two #10 self-drilling screws.



PRODUCT NUMBER	R	DIVIDER TYPE
9112-99	12	90° INSIDE ELBOW
9124-99	24	
9136-99	36	
9212-99	12	90° OUTSIDE ELBOW
9224-99	24	
9236-99	36	
6112-99	12	60° INSIDE ELBOW
6124-99	24	
6136-99	36	
6212-99	12	60° OUTSIDE ELBOW
6224-99	24	
6236-99	36	
4612-99	12	45° INSIDE ELBOW
4624-99	24	
4636-99	36	
4712-99	12	45° OUTSIDE ELBOW
4724-99	24	
4736-99	36	
3112-99	12	30° INSIDE ELBOW
3124-99	24	
3136-99	36	
3212-99	12	30° OUTSIDE ELBOW
3224-99	24	
3236-99	36	
FASTENER OPTIONS		ZN S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
4 A -		9212-99 - ZN

METALLIC ACCESSORIES

G* = optional

For detailed material and finish descriptions, see page B.6.

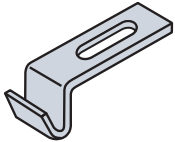
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B.49

DIVIDER HOLD DOWN CLIP

M T G

Purchased separately. Supplied with carriage bolt and flanged hex nut. Designed for use with ladders with box-shaped rungs (Types BX & BH—see pages B.66-B.67).

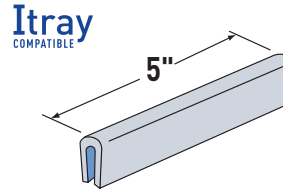


PRODUCT NUMBER	FASTENER OPTIONS
1852	ZN S6
CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
M - 1852	- ZN

5" VINYL DIVIDER SPLICE

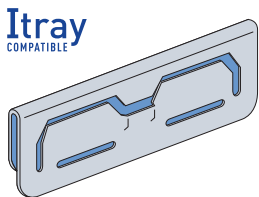
V

Splices joints of abutting divider strips. Vinyl edge strip is also available in bulk lengths.



PRODUCT NUMBER
0930
CATALOG NUMBERING EXAMPLE:
Material
V - 0930

DIVIDER SPLICE



Sold in bags of 25.

	COMPLETE CAT. NO.
A	COTJ-AL
M	COTJ-PG
T	COTJ-316

SELF-DRILLING SCREW

Provided with all dividers, but extras can be ordered separately.

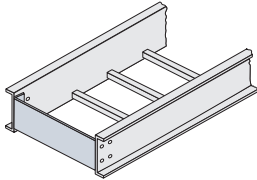


COMPLETE CATALOG NO.		SIZE
DS-8930-01-ZN	ZN	#10 X 3/4"
DS-8930-01-S6	S6	#10 X 3/4"

BLIND END PLATE

M T G*

Seals off the open end of a cable tray. Attaches to the tray using standard $\frac{3}{8}$ " dia. connector fasteners.

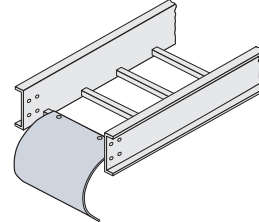


PRODUCT NUMBER	FASTENER OPTIONS
0402	GE S6
CATALOG NUMBERING EXAMPLE:	
Height/Material	Width Fasteners
4 T - 0402 - 12 - GE	

CABLE DROPOUT

A M T G*

Provides a smooth, rounded surface for cables dropping out of the bottom of the cable tray.



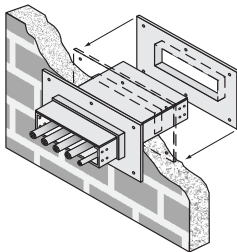
PRODUCT NUMBER	R
0253	3/4
0254	5
FASTENER OPTIONS	ZN S6
CATALOG NUMBERING EXAMPLE:	
Material - Flange	Width Fasteners
A I - 0253 - 06 - S6	

TRAY WIDTH (NOMINAL)	6	9	12	18	24	30	36	
DROPOUT WIDTH (FLG IN)	2 $\frac{1}{4}$	5 $\frac{1}{4}$	8 $\frac{1}{4}$	14 $\frac{1}{4}$	20 $\frac{1}{4}$	26 $\frac{1}{4}$	32 $\frac{1}{4}$	IN
DROPOUT WIDTH (FLG OUT)	5 $\frac{1}{4}$	8 $\frac{1}{4}$	11 $\frac{3}{4}$	17 $\frac{3}{4}$	23 $\frac{3}{4}$	29 $\frac{3}{4}$	35 $\frac{3}{4}$	

WALL PENETRATION SLEEVE

M G T

Provides a rigid support for cable tray at wall penetrations. Overall length of the sleeve is 20". Will fit walls up to 8" thick. Bonding jumpers are not required for use with wall sleeves. Two pairs of splice plates and fasteners are included for tray attachment.



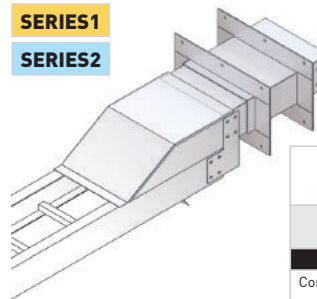
SERIES1	
SERIES2	
PRODUCT NUMBER	FASTENER OPTIONS
0424	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No	Width Fasteners
4 T 2 - 0424 - 12 - S6	

OUTDOOR CONVERSION FOR WALL PENETRATION

G T

Makes ladder tray wall penetrations weather resistant to minimize water intrusions. Removable cover/shield fastens to tray and wall penetration sleeve for the utmost in weather protection.

- Fits Standard Hot-Dip Galvanized or Stainless "0424" or "0440" wall penetrations (see page B.58.)
- Sized to fit flange-in or flange-out trays



PRODUCT NUMBER	FASTENER OPTIONS
0434	GE S6
CATALOG NUMBERING EXAMPLE:	
Connector System No	Width Fasteners
4 G 2 - 0434 - 06 - GE	

The wall penetration sleeve and outdoor conversion kit are designed to fit Series 1 and 2 systems. When ordering, however, they should be specified as Series 2.

G* = optional

For detailed material and finish descriptions, see page B.6.

METALLIC ACCESSORIES

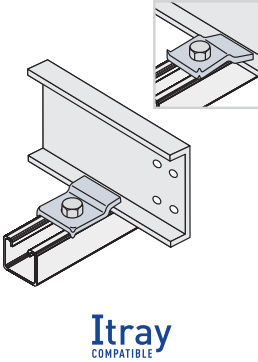
B.51

WWW.LEGRAND.US/CABLOFIL

HOLD DOWN/EXPANSION CLAMP

A Z T

Works as an expansion guide and flips over for use as a hold down clamp for use with all ladder trays. Sold individually.



PRODUCT NUMBER	FASTENER OPTIONS
1893-01*	ZN S6
1893-02	NONE
1893-03†	ZN S6
CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
A - 1893-01	- ZN

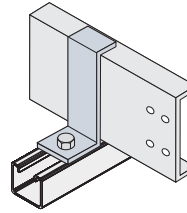
* Includes 3/8" x 1 1/2" hex bolt, 3/8" flanged nut.

† Includes 3/8" x 1 1/2" hex bolt, 3/8" spring nut.

Z-HOLD DOWN/EXPANSION GUIDE

M T G

Wraps around the tray side rail for use with all solid bottom trays. Can also be used with any flange-in tray system. Expansion guide is slightly taller to permit longitudinal tray movement caused by thermal expansion. Sold individually.



PRODUCT NUMBER		FASTENER OPTIONS
Z-HOLD DOWN	EXPANSION	
1866-01*	1867-01	ZN S6
1866-02	1867-02	NONE
1866-03†	1867-03	ZN S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
4 M - 1866-01		- ZN

* Includes 1/4" x 3/4" carriage bolt, 1/4" flanged nut.

† Includes 1/4" x 1 1/2" screw, 1/4" spring nut.

HEAVY-DUTY HOLD DOWN BRACKETS

A G T

Designed for use with all trays. 3/8" diameter hardware for tray attachment only is included. Holes for structure attachment are sized for 1/2" diameter fasteners. Ideal for vertical tray support. Sold in pairs.

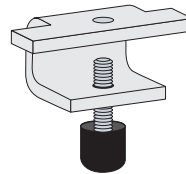


PRODUCT NUMBER	FASTENER OPTIONS
A845	GE S6
CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
T - A845	- S6

WIRE MESH-TO-LADDER CLAMP

Z T

This unique clamp allows wire mesh cable tray to be attached to the side rails of any ladder tray and a pre-installed setscrew secures the junction for a permanent installation.



PRODUCT NUMBER	FASTENER OPTIONS
WMC 2LA	GE S6
CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
T - WMC 2LA	- S6

Itray
COMPATIBLE

Itray
COMPATIBLE

METALLIC ACCESSORIES

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

B.52

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SPLICES Match above to determine the connectors you need.



SERIES1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.



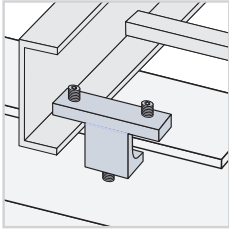
SERIES2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

I-BEAM HOLD DOWN CLAMP/
EXPANSION GUIDE

Z T

Hold Down Clamp firmly attaches the cable tray to the flange of an I-beam type support.
Expansion Guide attaches the clamp to the flange of an I-beam type support, allowing movement of the tray side rail due to thermal contraction and expansion.

Itray
COMPATIBLE

PRODUCT NUMBER		FASTENER OPTIONS
HOLD DOWN	EXPANSION	
A802-01*	A802-02†	GE S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
Z - A802-01		- S6

*Includes (2) 1/2" x 5/8" screws and (1) 1/2" x 1 1/2" screw.

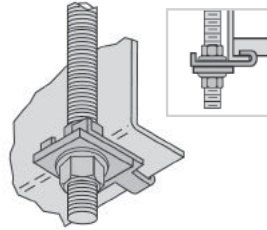
†Includes (1) 1/2" x 1 1/2" screw.

No drilling is required for either installation.

SINGLE OVERHEAD HANGER CLAMP

M

Attaches to the tray bottom flange and supports the cable tray directly from a threaded rod without the need for an additional support member. Threaded rod purchased separately.

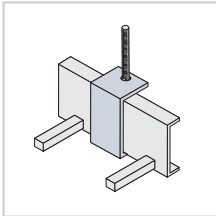


SERIES1

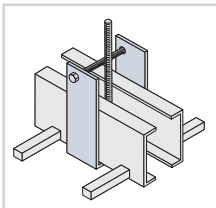
PRODUCT NUMBER	ROD DIA.	FASTENERS INCLUDED
1899-01	1/2"	<div>ZN S6</div>
1899-02	3/8"	
CATALOG NUMBERING EXAMPLE:		
Material		Fasteners
M - 1899-01		- S 6

HANGER BRACKETS

M T G*



SINGLE: Supports a single tray side rail from a 1/2" threaded rod. For use with all flange-out ladder tray systems. Safe load = 300 lbs. per bracket.



DOUBLE: Supports two tray side rails that are installed side-by-side from a single 1/2" threaded rod. For use with all flange-out ladder tray systems. Safe load = 300 lbs. per bracket.

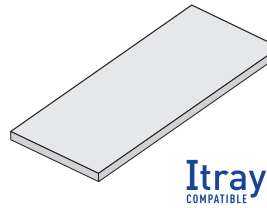
PRODUCT NUMBER		FASTENER OPTIONS
SINGLE		
A836		NONE
DOUBLE	A837*	ZN S6
CATALOG NUMBERING EXAMPLE:		
Accessory System No.		Fasteners
4 M 2 - A837		- ZN

*Includes 1/4" x 5" hex head bolt and 1/4" flanged nut.

NYLON ISOLATION PAD

N

Made of extruded black nylon. Can be installed between the cable tray and support member to provide electrical isolation of the tray system. Can also be used to facilitate cable tray movement caused by thermal contraction and expansion. No fasteners required.



PRODUCT NUMBER	DIMENSIONS
8945	1/8" X 3" X 6"
CATALOG NUMBERING EXAMPLE:	
Material	
N - 8945	

G* = optional

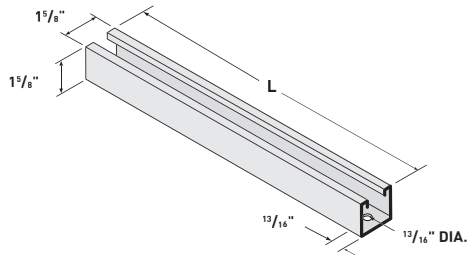
For detailed material and finish descriptions, see page B.6.

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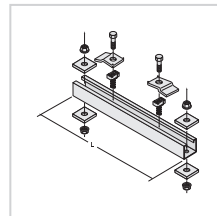
SINGLE HANGER CHANNEL

A M G T

Made from 12-gage strut. Hangers have $\frac{9}{16}$ " diameter holes $\frac{13}{16}$ " from each end to accept $\frac{1}{2}$ " threaded rod. Kit includes fasteners. When used with Z-type hold-down clamps, select hanger with flange out dimensions.



SINGLE HANGER CHANNEL KIT*

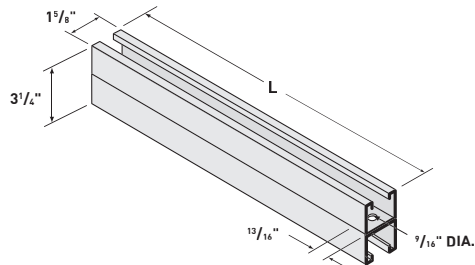


TRAY WIDTH	PRODUCT NUMBER		FLANGE IN		FLANGE OUT Itray COMPATIBLE
	HANGER	KIT	L (W+4)	L (W+10)	
6	0373	0393	10	16	
9			13	19	
12			16	22	
18			22	28	
24			28	34	
30			34	40	
36			40	46	
FASTENERS INCLUDED WITH KIT ONLY*					ZN S6
CATALOG NUMBERING EXAMPLE:					
Material		Length	Fasteners		
M - 0393-10 - S6 *					

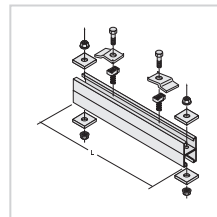
DOUBLE HANGER CHANNEL

A M G T

Made from 12-gage struts welded back-to-back. Hangers have $\frac{9}{16}$ " dia. holes $\frac{13}{16}$ " from each end to accept $\frac{1}{2}$ " threaded rod. When used with Z-type hold-down clamps, select hanger with flange out dimensions.



DOUBLE HANGER CHANNEL KIT*

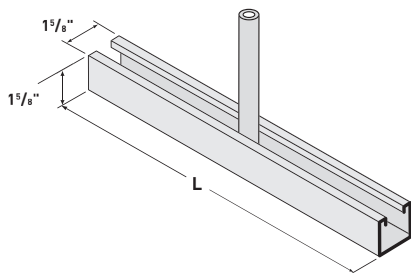


TRAY WIDTH	PRODUCT NUMBER		FLANGE IN		FLANGE OUT Itray COMPATIBLE
	HANGER	KIT	L (W+4)	L (W+10)	
6	0371	0394	10	16	
9			13	19	
12			16	22	
18			22	28	
24			28	34	
30			34	40	
36			40	46	
FASTENERS INCLUDED WITH KIT ONLY*					ZN S6
CATALOG NUMBERING EXAMPLE:					
Material		Length	Fasteners		
M -		0394-16 -	S6 *		

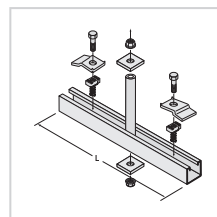
CENTER HANGER CHANNEL

M G T

Mounts with one $\frac{1}{2}$ " threaded rod to allow cable installation from both sides. Cable should be loaded evenly on both sides of the center support to remain level. 12-gage strut accepts channel nuts for hold down clamps with no drilling required. Not recommended for trays over 24" wide. When used with Z-type hold-down clamps, select hanger with flange out dimensions.



CENTER HANGER CHANNEL KIT*

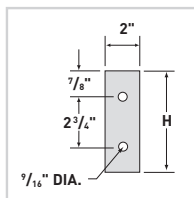
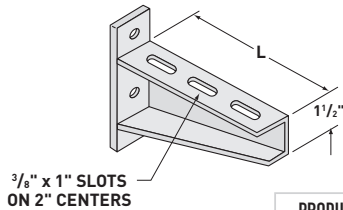


TRAY WIDTH	PRODUCT NUMBER		FLANGE IN		FLANGE OUT Itray COMPATIBLE
	HANGER	KIT	L (W+2)	L (W+6)	
6	0369	0395	8	12	
9			11	15	
12			14	18	
18			20	24	
24			26	30	
FASTENERS INCLUDED WITH KIT ONLY*					ZN S6
CATALOG NUMBERING EXAMPLE:					
Material		Length		Fasteners	
M -		0395-10 -		S6 *	

WALL BRACKET

G T

Recommended for use with flange-in cable trays.

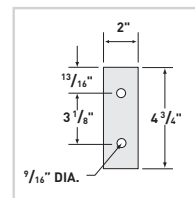
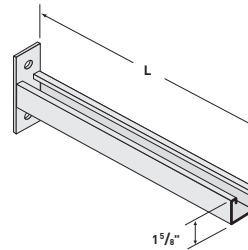


PRODUCT NUMBER	L	H	DESIGN LOAD - UNIFORM (LBS.)
0353	7	6	900
	10	6	
	13	6	
	19	7½	
	25	7½	
CATALOG NUMBERING EXAMPLE:			
Material		Length	
G - 0353 - 13			

SINGLE STRUT BRACKET

G T

Made with 1 5/8" x 1 5/8" x 12 gage steel struts.

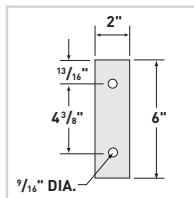
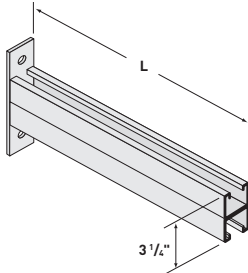


PRODUCT NUMBER	L	DESIGN LOAD - UNIFORM (LBS.)
0215	7	1000
	10	720
	13	550
	16	450
	19	380
	22	320
	25	290
CATALOG NUMBERING EXAMPLE:		
Material		Length
G - 0215 - 13		

DOUBLE STRUT BRACKET

G T

Made with 1 5/8" x 1 5/8" x 12 gage steel struts.

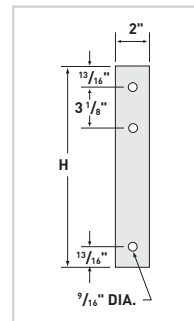
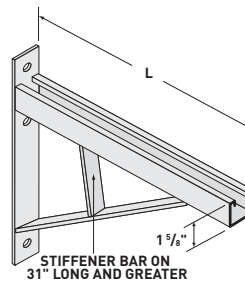


PRODUCT NUMBER	L	DESIGN LOAD - UNIFORM (LBS.)
0216	7	3000
	10	2400
	13	1850
	16	1500
	19	1250
	22	1100
	25	960
	31	770
	37	650
	43	560
CATALOG NUMBERING EXAMPLE:		
Material		Length
T - 0216 - 13		

HEAVY-DUTY STRUT BRACKET

G T

Made with 1 5/8" x 1 5/8" x 12 gage steel struts.

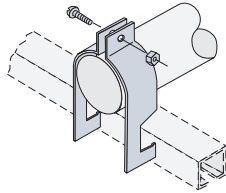


PRODUCT NUMBER	L	H	DESIGN LOAD - UNIFORM (LBS.)
0392	13	10	1600
	19	15	1200
	25	18	900
	31	22	750
	37	25	675
	43	29	580
	49	32	500
CATALOG NUMBERING EXAMPLE:			
Material		Length	
G - 0392-13			

CABLE CLAMP

T

For use with all ladder cable trays with box-shaped rungs.



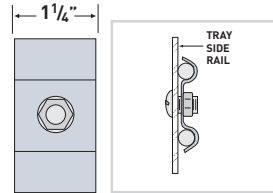
PRODUCT NUMBER	CABLE SIZE
1916-06	3/4"
1916-07	7/8"
1916-08	1"
1916-09	1 1/8"
1916-10	1 1/4"
1916-11	1 3/8"
1916-12	1 1/2"
1916-13	1 5/8"
1916-14	1 3/4"
1916-15	1 7/8"
1916-16	2"
1916-17	2 1/8"
1916-18	2 1/4"
1916-19	2 3/8"
1916-20	2 1/2"
1916-21	2 5/8"
1916-22	2 3/4"
1916-23	2 7/8"
1916-24	3"
1916-25	3 1/8"
1916-26	3 1/4"
1916-27	3 3/8"
1916-28	3 1/2"
1916-29	3 5/8"
1916-30	3 3/4"
1916-31	3 7/8"
1916-32	4"

FASTENERS INCLUDED		S6
CATALOG NUMBERING EXAMPLE:		
Material	Fasteners	
T	- 1916-06	- S6

GROUND WIRE ATTACHMENT CLAMP

Z T

Holds one or two bare copper or aluminum ground wires against the cable tray side rail using included 3/8" diameter fasteners. This clamp does not bond the ground wire to the tray.



Itray
COMPATIBLE

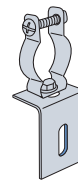
PROD. NO.	CONDUCTOR SIZE
1873-02	#2, #1 AND 1/0
1873-03	#6 TO #4
1873-04	2/0, 3/0 AND 4/0

FASTENER OPTIONS		GE S6
CATALOG NUMBERING EXAMPLE:		
Material	Fasteners	
Z	- 1873-02	- S6

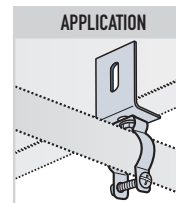
CONDUIT BRACKET CLAMP

Z T

Attaches conduit to the cable tray side rail.



APPLICATION



Itray
COMPATIBLE

PROD. NO.	CONDUIT DIA.	EMT DIA.
0228-05	3/8"-1/2"	1/2"
0228-06	3/4"	3/4"
0228-10	1"	1"
0228-11	1 1/4"	1 1/4"
0228-12	1 1/2"	1 1/2"
0228-20	2"	2"
0228-25	2 1/2"	2 1/2"
0228-30	3"	3"
0228-40	4"	4"

FASTENER OPTIONS		ZN S4
CATALOG NUMBERING EXAMPLE:		
Material	Fasteners	
T	- 0228-05	- S4

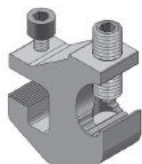
CABLE TRAY GROUNDING CLAMP

A

Provides an excellent ground for copper or aluminum ground wires to the cable tray. A 1/4" hex wrench is used to tighten both tray and conductor set screws. Clamps are tin-plated, extruded aluminum.

Conductor Range: #6AWG to 250 MCM.

Prior part number: 9992-A840-01.



Itray
COMPATIBLE

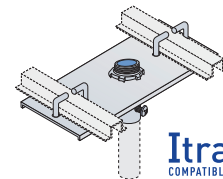
PRODUCT NUMBER	FASTENERS INCLUDED
A840-01	ZN

CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
A	- A840-01 - ZN

CONDUIT PLATE CLAMP

A M

Attaches conduit to the ladder tray rungs.



Itray
COMPATIBLE

RUNG SPACING INCHES

9" PLATE | 6 | 9

18" PLATE | 12 | 18

*Can also be used with medium-wall (IMC) and thick-wall (rigid) conduit.

PRODUCT NUMBER	EMT DIA.
0226-05	1/2"
0226-06	3/4"
0226-10	1"
0226-11	1 1/4"
0226-12	1 1/2"
0226-20	2"
0226-25*	2 1/2"
0226-30*	3"
0226-40*	4"

FASTENERS INCLUDED		GE
CATALOG NUMBERING EXAMPLE:		
Rung Spacing	Material	Fasteners
09	- M	- 0226-11 - GE

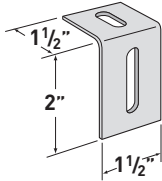
METALLIC

B.56

CLAMP BRACKET

M T

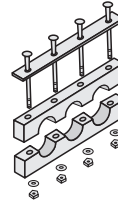
Permits attachment of clamps or other components to the cable tray side rail. Conduit clamps are purchased separately.



PRODUCT NUMBER	FASTENER OPTIONS
1818	ZN S6
CATALOG NUMBERING EXAMPLE:	
Material	Fasteners
T - 1818	-S6

MAPLE CABLE BLOCKS

Paraffin impregnated and furnished with 1/4" dia. fasteners. Contact Legrand with quantities, cable dimensions, cable spacing, and cable tray system information. Can be custom designed for a wide variety of applications.

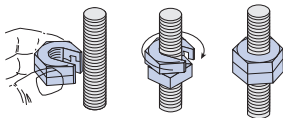


PRODUCT NUMBER	FASTENERS INCLUDED
0950	AS SPECIFIED

SLIP-ON LOCK NUT®

ZN S4

Allows the user to slip the nut onto a rod, without actually threading it. Ideal for when nuts must be added to a rod, but cannot be threaded due to previously-installed equipment.



PRODUCT NUMBER	SIZE
SON 1/4	1/4"-20
SON 3/8	3/8"-16
SON 1/2	1/2"-13
CATALOG NUMBERING EXAMPLE:	
Fasteners	
SON 3/8 - ZN	

PLASTIC SAFETY SIGN



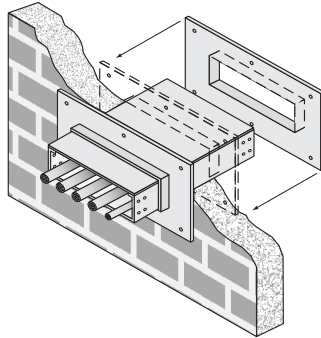
Sign measures 8"x12".

COMPLETE CATALOG NUMBER
P-0949-01

Itray
COMPATIBLE

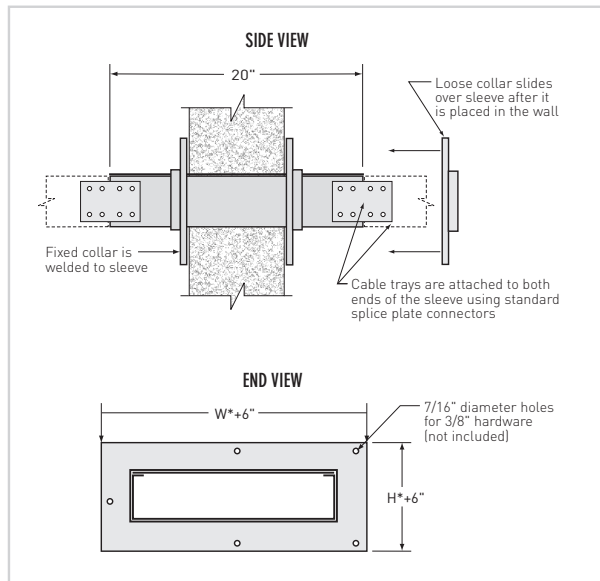
FIRE WALL PENETRATION SLEEVE

M G T



- Wall Penetration Sleeve (WPS or FWPS) not included in kit, must be ordered separately

PRODUCT NUMBER	FASTENER OPTIONS
0440	GE S6



Fabricated cable tray fire stop sleeves from Legrand, combined with Hilti Firestop products, are an economical alternative to the high cost of fabricating protective fire wall and floor penetration sleeves in the field.

This firestop system provides a rigid support for cable tray in a UL classified system approved for fire wall and floor penetrations. After the sleeve is placed in the wall or floor, the loose collar slides over it. Hardware for the tray connection only is included. Hardware required to mount sleeves to the wall or floor is not included.

The Hilti Fire Block is a compressible fire stop brick, well-suited for installations where frequent cable changes may be required. Blocks are easily cut to fit any space, and can be removed and reinstalled when cable configurations change. When exposed to fire, the blocks expand to lock the seal in place.

Each cable tray firestop sleeve includes:

- One penetration sleeve with flanges
- Hilti Fire Blocks
- One Hilti Firestop Putty Stick
- Hardware for cable tray connection to the wall sleeve:

- Metallic and fiberglass cable trays with two side rails.
The Firestop kit includes two pairs of splice plates with nuts & bolts; 316 stainless steel is recommended for use with fiberglass systems.

NUMBER OF HILTI FIRE BLOCKS INCLUDED WITH EACH SLEEVE

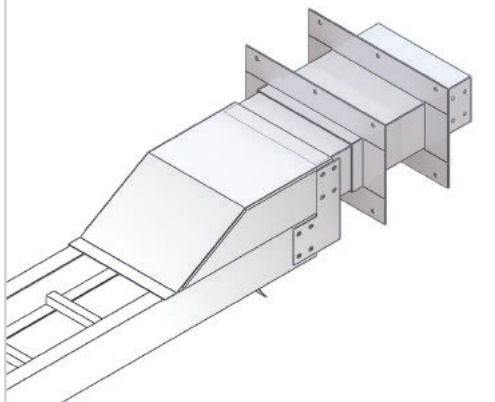
SLEEVE WIDTH	SIDE RAIL HEIGHT (IN.)			
	4	5	6	7
6	2	2	3	3
9	3	3	4	4
12	3	4	5	6
18	5	6	7	8
24	6	8	9	11
30	8	10	12	14
36	9	12	14	16

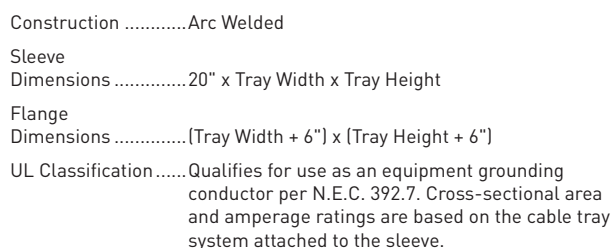
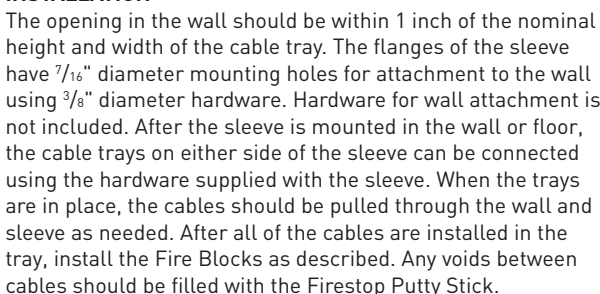


UL classified for use with:

- 2-hr concrete or block walls
- 2-hr concrete floors
- 1-hr gypsum walls
- 2-hr gypsum walls

OUTDOOR CONVERSION FOR WALL PENETRATION (0434)
See page 51.





Fire blocks fill the annular space between the cables and the sleeve. Fire Blocks may be cut to match the profile of cables or to fit opening. Any voids should be filled with 0618 Firestop Putty Stick.

WALL PENETRATION SLEEVE CATALOG NUMBERING EXAMPLE:

CONNECTOR SYSTEM NO. PRODUCT NO.

6 M 2 - 0 4 4 0 - 3 6 - G E → **FASTENER OPTIONS**

SIDE RAIL HEIGHT → **6**
 4 - 4"
 5 - 5"
 6 - 6"
 7 - 7"

MATERIAL → **M** **G** **T**

FITTING SERIES
 This item must be specified as
SERIES 2

WIDTH → **3 6**
 06 - 6"
 09 - 9"
 12 - 12"
 18 - 18"
 24 - 24"
 30 - 30"
 36 - 36"

GE
S6

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METALS

PW from Legrand, a pioneer in the development of cable trays, first made a complete study of the metals available in order to create those systems that would be unmatched in economy and strength. Inherent are the problems connected with the environment and its effect on the life of metals, including weathering and corrosion by electro-chemical and chemical attack.

Steel – Hot-Dip Galvanized After All Fabrication and Welding

Commercial quality steel is used for this type of coating, which is described below. This steel is either hot rolled, pickled and oiled, or cold rolled, mild carbon steel.

Steel – Mill Galvanized (Pre-Galvanized)

Where heavy zinc coating is not necessary, steel with a continuous hot rolled zinc coating conforming to ASTM specification A653 designation G90 is used. Products made with mill galvanized steel are generally lower in cost than the same products that are hot dip galvanized after fabrication. However, see the limitations under "Finishes" later on this page.

Stainless Steel

18-8 stainless steel type 304 and marine-grade type 316 is available for most PW products. Certain products such as raceway push clips, Stack-A-Tube yoke clamps, and some hardware items are made only from 18-8 stainless steel. Stainless steel components are compatible for use with hot dip galvanized, mill galvanized, and aluminum products. Complete cable tray systems can be furnished in stainless steel.

Aluminum Alloys

The principal aluminum used for tray side rails, rungs, and channels is extruded, copper-free alloy 6063-T6. This alloy is used for structural members where extreme stiffness and high tensile strength are mechanically required to resist high unit stresses. This is called a "magnesium alloy".

Alloy 5052-H32 is used for components fabricated from sheet (except covers) such as connectors, blind ends, dropouts, etc. This is a "magnesium alloy", copper free, and very compatible with alloy 6063-T6. This alloy possesses excellent characteristics for stamped and formed components.

Alloys 3003 and 3105 are used for aluminum covers. These alloys are very compatible with alloys 6063-T6 and 5052-H32.

FINISHES

Steel – Hot-Dip Galvanized After All Fabrication and Welding:

This high-quality coating is created in a multi-step process and applied to the completed product after all fabrication and welding. First the steel is cleaned by immersing it in a caustic dip tank, then pickled, and finally washed. The article is then dipped into a molten zinc bath. All surfaces are thoroughly coated. Hot dip galvanizing after all fabrication and welding is done on PW products in accordance with ASTM Specification A123. This coating, applied to steel trays, provides greatest protection at lower cost.

Due to the high temperatures associated with the hot dip process, some warping of the metal is common. This occurs most frequently with products having large, flat surfaces such as covers. To minimize warping, PW uses thicker sheet metal for covers. This does reduce warping, but does not eliminate it.

Mill Galvanized (Pre-Galvanized)

This coating is applied onto steel sheets at the mill in accordance with ASTM Specification A653 and results in a coating thickness of 0.90 ounces per square foot total for both sides. This coating adheres tightly to the base metal at bends and compound curves. Being a hot dip coating prior to tray fabrication, and of a controlled thickness about one-third that of hot dip galvanized after fabrication, it is not generally used outdoors. It is not recommended for areas where there is a concentration of moisture and/or chemical deposits. This material gives excellent service in dry, normal, or controlled atmospheres.

Some Helpful Hints On Which Zinc Coating To Select

1. Protection of the base metal is directly proportional to the zinc coating thickness. Hence, thicker coating means longer life. At sheared or punched locations, zinc on mill galvanized steel is wiped down over approximately $\frac{1}{3}$ of the metal thickness giving some sacrificial protection in the presence of an electrolyte. On hot dip galvanized after fabrication, all edges are coated but the original cost is higher.
2. The edges of holes in mill galvanized steel will have no coating; however, a small sacrificial protection is afforded by the top and bottom surfaces of the sheet. The hot dip galvanized comment above applies here.
3. If moisture and drippings accumulate, consider hot dip galvanized after fabrication to avoid premature deterioration at those locations.
4. Covers are typically made from mill galvanized steel in order to avoid the poor appearance caused by severe warping of such large flat surfaces when hot dip galvanized after fabrication.

Other Coatings

Occasionally, other highly special coatings are required such as powder coating, epoxy painting, standard painting, primer paint, and others. Legrand engineers are available for consultation on these coatings and their application to PW trays.

THERMAL CONTRACTION AND EXPANSION

Expansion Splice Plate Installation

It is important that thermal contraction and expansion be considered when installing cable tray systems. The length of the straight cable trays runs and the temperature differential govern the number of expansion splice plates required (see Table 1).

Proper operation of the expansion splice plates depends upon correct placement of the tray supports, hold down clamps and expansion guides as shown.

Hold Down Clamps should be used at the support point nearest to the midpoint between expansion gaps.

Expansion Guide Clamps should be used at all support points other than the midpoint. These clamps should be installed in such a way to allow the tray to slide freely under the clamp when thermal contraction and expansion takes place.

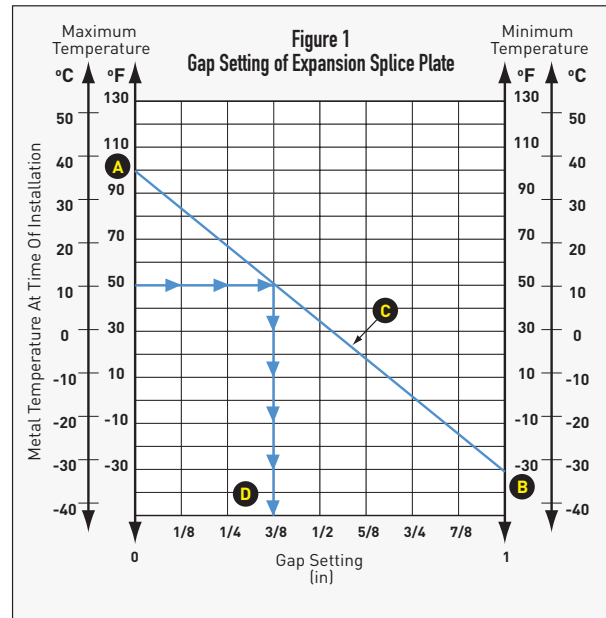
Supports with expansion guide clamps should be located within 24" of each side of expansion splice plates.

Accurate gap settings between trays at the expansion joint at the time of installation are necessary for the proper operation of the expansion splice plates. Use the following procedure to determine the correct gap setting:

- Determine what the maximum temperature will be at the installation location and plot this point on the graph on the max. temp line. (Example value = 100)
- Determine what the minimum temperature will be at the installation location and plot this point on the graph on the min. temp line. (Example value = -30).
- Draw a line between the maximum and minimum points.
- At the time of installation, determine the air temperature. (Example = 50). Plot this point on the line drawn between the maximum and minimum temperatures to determine the correct gap setting at the expansion plate. (Example = $\frac{3}{8}$ ").

Table 1

TEMPERATURE DIFFERENTIAL		MAXIMUM SPACING BETWEEN EXPANSION JOINTS FOR 1" MOVEMENT (FT.)					
°F	°C	A	M	G	L	T	F
25	14	260	512				667
50	28	130	256				333
75	42	87	171				222
100	56	65	128				167
125	70	52	102				133
150	83	43	85				111
175	97	37	73				95



Expansion splice plates should be placed on the outside of the cable tray on both side rails. The screw heads should be on the inside and nuts on the outside of the cable tray. Tighten the lock nuts on the screws in the slotted holes just a few turns, allowing the bolt to move freely in the slot.

Figure 2
Expansion Connector Installation Locations

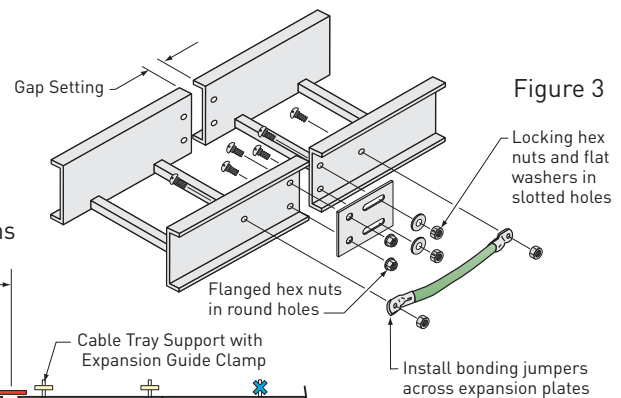
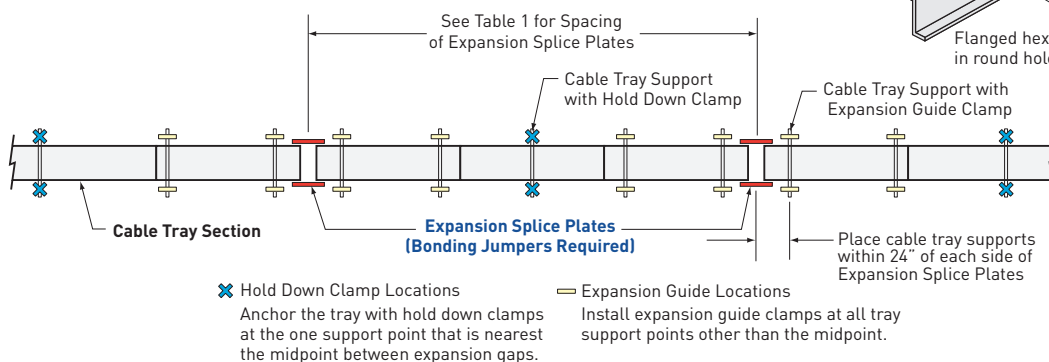
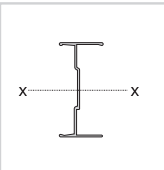
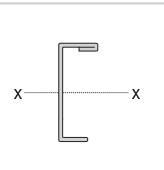
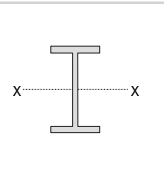
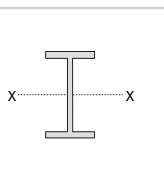


Figure 3

CABLE TRAY SIDE RAILS

The mechanical properties of cable tray side rails for straight tray sections are shown for all standard systems. Side rails used for fittings may have slightly different dimensions since they must be suitable for bending into curved sections. Fitting side rails are designed to meet or exceed the loading requirements of the straight tray sections with which they are used when supported per NEMA VE2 installation guidelines. Although the cross-sectional dimensions of the fitting side rails may be slightly different than the straight section side rails, all aspects of fitting design are in accordance with NEMA VE1 requirements. Please contact Legrand for detailed information on fitting side rails.











<div></div> <div>ITRAY I-BEAM</div> <div>A</div>					<div></div> <div>C-CHANNEL</div> <div>G</div>				
RAIL HEIGHT (IN.)	NEMA CLASS	PRODUCT NUMBER	I _x MOMENT OF INERTIA (IN. ⁴)	S _x SECTION MODULUS (IN. ³)	RAIL HEIGHT	NEMA CLASS	SERIES	I _x MOMENT OF INERTIA (IN. ⁴)	S _x SECTION MODULUS (IN. ³)
4	12B	4A12B	1.343	0.626	4	12B	S1	0.6214	0.3517
	12C	4A12C	1.418	0.646		12C, 16A		0.7417	0.4110
	20B	4A20B	2.717	1.103		20A, 16B	S2	1.0593	0.5860
5	12C	5A12C	2.288	0.859		20B, 16C		1.3781	0.7984
	20B	5A20B	3.344	1.146		20C		1.7934	1.0044
6	12C	6A12C	3.993	1.182	5	12B	S1	1.0785	0.4796
	20B	6A20B	5.441	1.549		12C, 16A		1.2925	0.5645
	20C	6A20C	6.380	1.836		20B, 16C	S2	2.3334	1.0632
	24C	6A24C	8.128	2.349		20C		3.1670	1.4398
7	12C	7A12C	5.403	1.106	6	12B	S1	1.7047	0.6234
	20B	7A20B	7.675	1.896		12C, 16A		1.7873	0.6733
	20C	7A20C	9.803	2.471		20B, 16C	S2	2.7718	1.0001
	24C	7A24C	12.092	3.005		20C		3.4185	1.2324
<div></div> <div>I-BEAM</div> <div>A</div>					<div></div> <div>I-BEAM</div> <div>G</div>				
8	20C+	S2	25.8053	7.1067	7	12B	S1	2.5243	0.7830
26.3140			7.3722	12C, 16A		2.6403		0.8411	
10			70.3837	15.2789		20B, 16C	S2	4.0298	1.2366
			20C	4.9763		1.5260			
8"	20C+	S2	18.5	4.62	8"	20C+	S2	30.8	7.81
			30.8	7.81					
10"			68.9	13.8				10"	

METALLIC RUNGS

B.62

RUNG DESIGNS

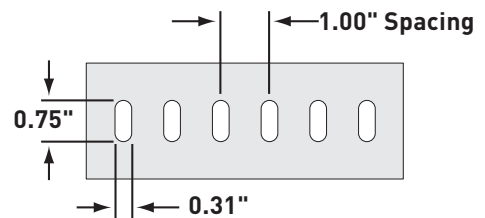
PW offers a wide range of rung design options for special load applications. Extremely heavy cable loads, concentrated static loads, and heavy snow or ice loads may require rungs with greater load capacities than standard designs. Rung substitutions are designated by suffixes added to the tray catalog numbers.

STANDARD RUNGS AND BOTTOMS - ALUMINUM A			STANDARD RUNGS AND BOTTOMS - STEEL M G L T		
TYPE		USE	TYPE		USE
AL		I-BEAM RUNG, 1" DEEP STANDARD FOR MOST LADDERS UP TO 24" WIDE	HL HH		HAT RUNGS, SOLID STANDARD FOR LADDER TRAYS
AH		HEAVY I-BEAM RUNG, 1" DEEP STANDARD FOR MOST LADDERS 30" AND WIDER	BX BH		BOX RUNG, 1" DEEP STANDARD FOR LADDER TRAYS
SR		SLOTTED STRUT RUNG, 1 5/8" DEEP STANDARD FOR LONG-SPAN LADDER TRAY WITH SIDERAIL OF 8" OR LARGER	RS		SLOTTED STRUT RUNG, 1 5/8" DEEP STANDARD FOR LONG-SPAN LADDER TRAY WITH SIDERAIL OF 8" OR LARGER
CA		CORRUGATED SHEET BOTTOM SOLID TROUGH	CS		CORRUGATED SHEET BOTTOM SOLID TROUGH NOT AVAILABLE IN STAINLESS STEEL
UPGRADE RUNG - ALUMINUM A			UPGRADE RUNG - STEEL M G L T		
ST		SLOTTED STRUT RUNG, 1" DEEP UPGRADE OPTION FOR LADDERS SEE BELOW FOR SLOT DETAIL	SU		SLOTTED STRUT RUNG, 1" DEEP UPGRADE OPTION FOR LADDERS SEE BELOW FOR SLOT DETAIL

RUNG OPTIONS

SLOTTED RUNGS

All PW cable tray metallic ladder systems are available with slotted strut rungs for cable ties. Slots are 0.75" long to accommodate stainless steel banding used in marine applications or any location where extra cable support requires the use of cable ties. Slotted strut rungs are provided with alternating slots up and down to allow for strut accessories to be used both inside the tray and below the cable area. Slotted rungs are designated by the suffix ST (aluminum) or SU (steel) added to the straight sections and fittings catalog numbers.



METALLIC RUNGS

For detailed material and finish descriptions, see page B.6.

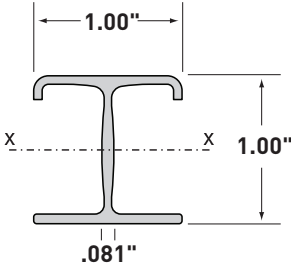
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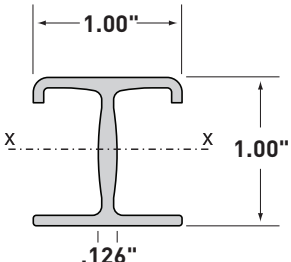
STANDARD RUNGS

A

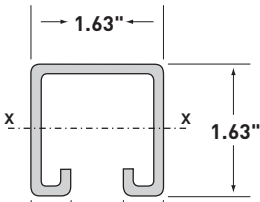
This is the standard rung for all 6"-24" wide aluminum ladder trays.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)											
AL	I-BEAM	MINIMUM THICKNESS = 0.050" MOMENT OF INERTIA: $I_x = 0.044 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0869 \text{ IN}^3$				TRAY WIDTH (IN.)											
						6	9	12	18	24	30	36	42	48			
				6	1	5330	3553	2665	1777	1332	AH	AH	AH	AH			
					2	6814	4276	3007	1738	1104	AH	AH	AH	AH			
				9	1	3553	2369	1777	1184	888	AH	AH	AH	AH			
					2	4543	2851	2005	1159	736	AH	AH	AH	AH			
				12*	1	2665	1777	1332	888	667	AH	AH	AH	AH			
					2	3407	2138	1504	869	552	AH	AH	AH	AH			
				18	1	1777	1184	888	592	444	AH	AH	AH	AH			
					2	2271	1425	1002	579	368	AH	AH	AH	AH			

This is the standard rung for all aluminum ladder trays 30" and wider.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)											
AH	I-BEAM	MINIMUM THICKNESS = 0.070" MOMENT OF INERTIA: $I_x = 0.0510 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0981 \text{ IN}^3$				TRAY WIDTH (IN.)											
						6	9	12	18	24	30	36	42	48			
	6	1	AL	AL	AL	AL	AL	1360	1134	972	850						
		2	AL	AL	AL	AL	AL	1143	819	588	415						
	9	1	AL	AL	AL	AL	AL	907	756	648	567						
		2	AL	AL	AL	AL	AL	762	546	392	276						
	12*	1	AL	AL	AL	AL	AL	680	567	486	425						
		2	AL	AL	AL	AL	AL	572	410	294	207						
	18	1	AL	AL	AL	AL	AL	453	378	324	283						
		2	AL	AL	AL	AL	AL	381	273	196	138						

Standard rung for 8" and larger siderail cable trays. Designed for extremely heavy load applications. This profile will accept strut hardware and accessories. Trays which use this rung will have a load depth equal to the side rail height minus 1 5/8". SR rungs are installed alternating slot up and slot down.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)											
SR	SLOTTED†	MINIMUM THICKNESS = 0.102" MOMENT OF INERTIA: $I_k = 0.1848 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.2039 \text{ IN}^3$				TRAY WIDTH (IN.)											
						6	9	12	18	24	30	36	42	48			
				6	1	9999	8700	6525	4350	3262	2610	2175	1864	1631			
					2	9999	8700	6525	4350	3262	2610	2175	1864	1576			
				9	1	8700	5800	4350	2900	2175	1740	1450	1243	1087			
					2	8700	5800	4350	2900	2175	1740	1450	1243	1050			
				12*	1	6525	4350	3262	2175	1631	1305	1087	932	816			
					2	6525	4350	3262	2175	1631	1305	1087	932	788			
				18	1	4350	2900	2175	1450	1087	870	725	621	544			
					2	4350	2900	2175	1450	1087	870	725	621	525			

METALLIC RUNGS

B.64

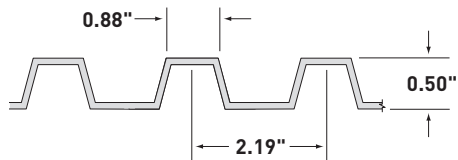
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STANDARD CORRUGATED BOTTOM

A

This is the standard corrugated bottom used for all aluminum, solid-bottom tray systems up to and including NEMA Class 20C. Corrugated bottoms are not available in widths greater than 36". For extremely heavy load applications, Ladder type tray is recommended.

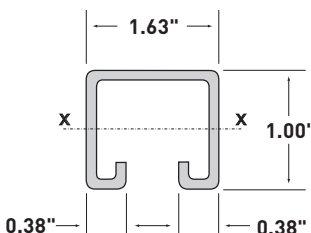
RUNG TYPE		MECHANICAL PROPERTIES		LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)						
CA	SOLID OR VENTILATED	MINIMUM THICKNESS = 0.032"			TRAY WIDTH (IN.)						
					6	9	12	18	24	30	36
1				1	2000	1333	1000	667	500	400	333
2				2	2000	1333	1000	600	350	200	100



UPGRADE BOTTOM

A

This is the upgrade slotted rung for all aluminum ladder cable tray. This rung is also available for all aluminum ladders for extremely heavy load applications. ST rungs are installed alternating slot up and slot down.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)										
ST	SLOTTED†	MINIMUM THICKNESS = 0.105" MOMENT OF INERTIA: $I_x = 0.0531 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0917 \text{ IN}^3$				TRAY WIDTH (IN.)										
						6	9	12	18	24	30	36	42	48		
						6	1	6602	4402	3301	2201	1651	1320	1100	943	825
							2	6602	4402	3301	2201	1604	1123	803	574	402
						9	1	4402	2934	2201	1467	1100	880	734	629	550
							2	4402	2934	2201	1467	1069	749	535	382	268
						12*	1	3301	2201	1651	1100	825	660	550	472	413
							2	3301	2201	1651	1100	802	562	401	287	201
						18	1	2201	1467	1100	734	550	440	367	314	275
							2	2201	1467	1100	734	535	374	268	191	134

1 SAFE LOAD/CABLE LOAD

ONLY: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a safety factor of 1.5. To convert Safe Load/Cable Load Only to reflect a safety factor of 2.0, multiply the safe loads shown by 0.75.

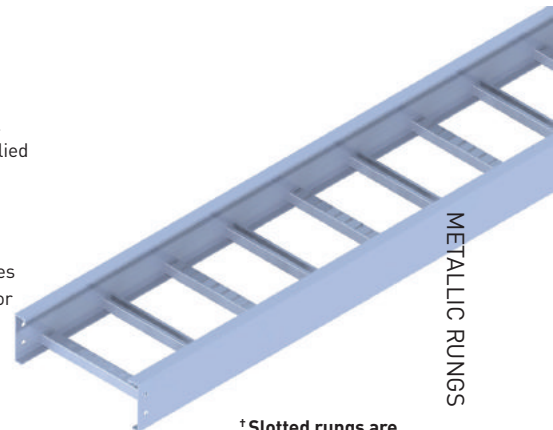
2 SAFE LOAD / CABLE LOAD

+200 LBS: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a 200 lb. concentrated static load applied at the center of the rung, without collapse.

3 Will not support a 200 lb. concentrated static load applied at the center of the rung.

[XX] Two digit code in the safe load limit tables indicates recommended rung option for specified width.

* Single rung load capacity: The data shown for 12" rung spacing is equivalent to the load capacity of the single rung.



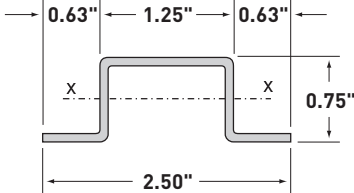
† Slotted rungs are installed alternating slot up and slot down.

B.65

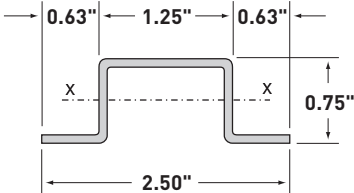
STANDARD RUNGS

M G

This is the standard solid rung for the following steel cable trays, up to 24" wide: NEMA Class 12B and 12C ladder with flange-in side rails.

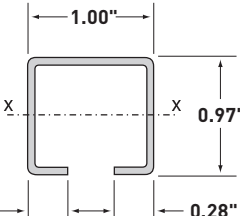
RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)									
HL	SOLID	THICKNESS = 0.038" MOMENT OF INERTIA: $I_x = 0.0143 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0374 \text{ IN}^3$				TRAY WIDTH (IN.)									
						6	9	12	18	24	30	36	42	48	
				5	1	3351	2234	1676	1117	838	HH	HH	SU	SU	
					2	3351	2234	1480	667	260	HH	HH	SU	SU	
				6	1	2793	1862	1396	931	698	HH	HH	SU	SU	
					2	2793	1862	1233	556	217	HH	HH	SU	SU	
				9	1	1862	1241	931	621	465	HH	HH	SU	SU	
					2	1862	1241	822	370	144	HH	HH	SU	SU	
				12*	1	1396	931	698	465	349	HH	HH	SU	SU	
					2	1396	931	617	278	108	HH	HH	SU	SU	

This is the standard solid rung for the following steel cable trays, 30" and 36" wide: NEMA Class 12B and 12C ladder trays with flange-in side rails.

RUNG TYPE		MECHANICAL PROPERTIES	
HH	SOLID	THICKNESS = 0.048" MOMENT OF INERTIA: $I_k = 0.0175 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0456 \text{ IN}^3$	
			

RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)								
		TRAY WIDTH (IN.)								
		6	9	12	18	24	30	36	42	48
5	1	HL	HL	HL	HL	HL	948	790	SU	SU
	2	HL	HL	HL	HL	HL	481	241	SU	SU
6	1	HL	HL	HL	HL	HL	790	659	SU	SU
	2	HL	HL	HL	HL	HL	401	201	SU	SU
9	1	HL	HL	HL	HL	HL	527	439	SU	SU
	2	HL	HL	HL	HL	HL	267	134	SU	SU
12*	1	HL	HL	HL	HL	HL	395	329	SU	SU
	2	HL	HL	HL	HL	HL	201	101	SU	SU

This is the standard rung for all flange-out steel ladders and all flange-in, NEMA Class 20A, 20B, and 20C, hot-dip galvanized steel ladders 6"-24" wide. Please contact Legrand for catalog numbers if this rung is desired for other tray systems.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)									
BX	SOLID	MINIMUM THICKNESS = 0.048" MOMENT OF INERTIA: $I_x = 0.0188 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0343 \text{ IN}^3$				TRAY WIDTH (IN.)									
						6	9	12	18	24	30	36	42	48	
				6	1	3243	2162	1621	1081	811	BH	BH	BH	BH	
					2	3243	2162	1561	774	381	BH	BH	BH	BH	
				9	1	2162	1441	1081	721	540	BH	BH	BH	BH	
					2	2162	1441	1041	516	254	BH	BH	BH	BH	
				12*	1	1621	1081	811	540	405	BH	BH	BH	BH	
					2	1621	1081	781	387	190	BH	BH	BH	BH	
				18	1	1081	721	540	360	270	BH	BH	BH	BH	
					2	1081	721	520	258	127	BH	BH	BH	BH	

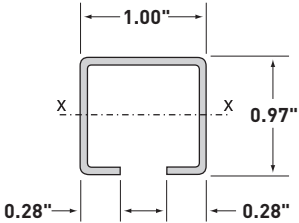
METALLIC RUNGS

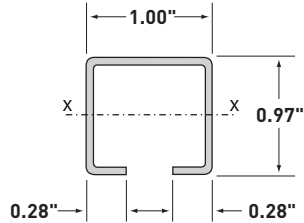
B.66

STANDARD RUNGS

M G

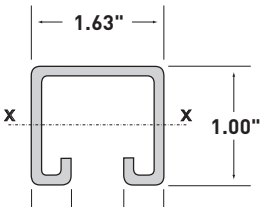
This is the standard rung for all flange-out steel ladders and all flange-in, NEMA Class 20A, 20B, and 20C, hot-dipped galvanized steel ladders 30" and 36" wide. Please contact Legrand for catalog numbers if this rung is desired for other tray systems.

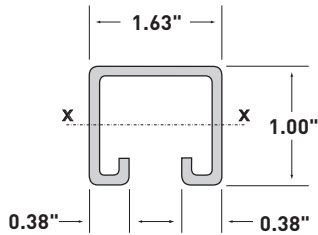
RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)								
BH	SOLID	THICKNESS = 0.060" MOMENT OF INERTIA: I _x = 0.0227 IN ⁴ SECTION MODULUS: S _x = 0.0414 IN ³				TRAY WIDTH (IN.)								
						6	9	12	18	24	30	36	42	48
	6	1	BX	BX	BX	BX	BX	816	680	583	510			
		2	BX	BX	BX	BX	BX	388	190	49	3			
	9	1	BX	BX	BX	BX	BX	544	453	389	340			
		2	BX	BX	BX	BX	BX	259	127	33	3			
	12	1	BX	BX	BX	BX	BX	408	340	291	255			
		2	BX	BX	BX	BX	BX	194	95	24	3			
	18	1	BX	BX	BX	BX	BX	272	227	194	170			
		2	BX	BX	BX	BX	BX	129	63	16	3			



UPGRADE RUNG

This is the upgrade slotted rung for all steel ladder cable trays. SU rungs are installed alternating slot up and slot down.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)											
SU	SLOTTED†	THICKNESS = 0.120" MOMENT OF INERTIA: $I_x = 0.0531 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.0921 \text{ IN}^3$				TRAY WIDTH (IN.)											
						6	9	12	18	24	30	36	42	48			
		6	1	3999	3999	3066	2044	1533	1226	1022	876	766					
		2	3999	3999	3066	2044	1499	1040	733	514	350						
		9	1	3999	2725	2044	1363	1022	818	681	584	511					
		2	3999	2725	2044	1363	1000	693	489	343	233						
		12*	1	3066	2044	1533	1022	766	613	511	438	383					
		2	3066	2044	1533	1022	750	520	366	257	175						
		18	1	2044	1363	1022	681	511	409	341	292	255					
		2	2044	1363	1022	681	500	347	244	171	117						

**1 SAFE LOAD/CABLE LOAD**

ONLY: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a safety factor of 1.5. To convert Safe Load/Cable Load Only to reflect a safety factor of 2.0, multiply the safe loads shown by 0.75.

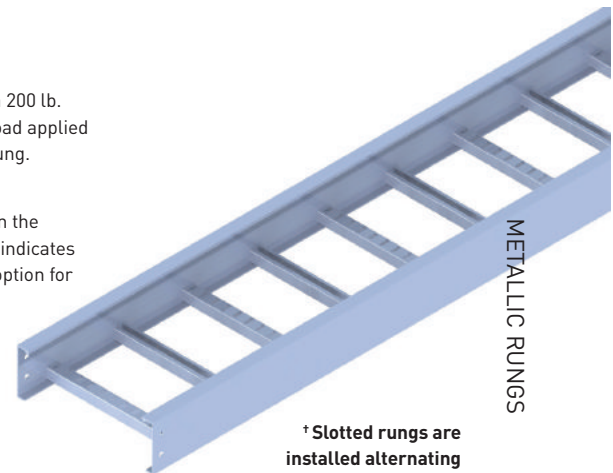
2 SAFE LOAD / CABLE LOAD

+200 LBS: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a 200 lb. concentrated static load applied at the center of the rung, without collapse.

3 Will not support a 200 lb. concentrated static load applied at the center of the rung.

[XX] Two digit code in the safe load limit tables indicates recommended rung option for specified width.

* Single rung load capacity: The data shown for 12" rung spacing is equivalent to the load capacity of the single rung.



† Slotted rungs are installed alternating slot up and slot down.

B.67

STANDARD RUNGS

M G

This rung is available for steel ladder tray systems for extremely heavy load applications. This profile will accept strut fasteners and accessories. RS rungs are installed alternating slot up and slot down.

RUNG TYPE		MECHANICAL PROPERTIES		RUNG SPACING	LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)											
RS	SLOTTED†	THICKNESS = 0.120" MOMENT OF INERTIA: $I_x = 0.1848 \text{ IN}^4$ SECTION MODULUS: $S_x = 0.2040 \text{ IN}^3$				TRAY WIDTH (IN.)											
						6	9	12	18	24	30	36	42	48			
		6	1	9999	9991	7494	4996	3747	2997	2498	2141	1873					
			2	9999	9991	7494	4996	3747	2997	2498	2141	1873					
		9	1	9991	6661	4996	3330	2498	1998	1665	1427	1249					
			2	9991	6661	4996	3330	2498	1998	1665	1427	1249					
		12*	1	7494	4996	3747	2498	1873	1499	1249	1071	937					
			2	7494	4996	3747	2498	1873	1499	1249	1071	937					
		18	1	4996	3330	2498	1665	1249	999	833	714	624					
			2	4996	3330	2498	1665	1249	999	833	714	624					

Diagram illustrating the mechanical properties of the rung type, showing dimensions and load limits.

Dimensions:

- Overall Width: 1.63"
- Flange Thickness: 0.38"
- Web Height: 1.63"

Properties:

- THICKNESS = 0.120"
- MOMENT OF INERTIA: $I_x = 0.1848 \text{ IN}^4$
- SECTION MODULUS: $S_x = 0.2040 \text{ IN}^3$

This is the standard corrugated bottom used for all steel, solid-bottom tray systems up to and including NEMA Class 20C. Corrugated bottoms are not available in widths greater than 36". Please contact Legrand when considering solid bottom trays for extreme load applications.

RUNG TYPE		MECHANICAL PROPERTIES	
CS	SOLID OR VENTILATED	MINIMUM THICKNESS = 0.032"	

0.88"

2.19"

0.50"

LOAD TYPE	SAFE LOAD LIMITS (LBS/FT)						
	TRAY WIDTH (IN.)						
	6	9	12	18	24	30	36
1	2007	1338	1003	669	502	401	334
2	2007	1338	1003	599	350	200	100

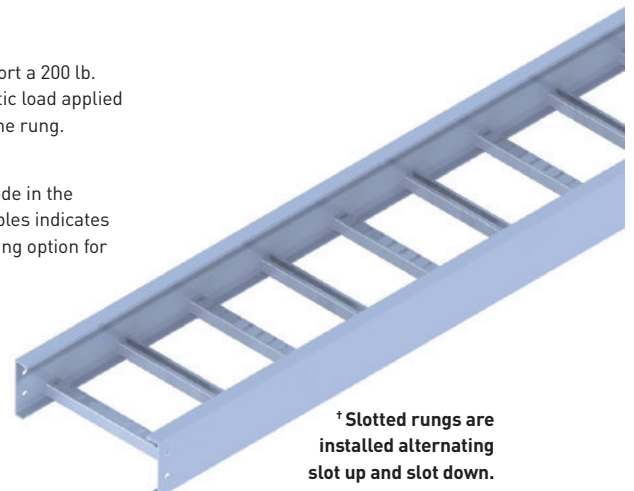
1 SAFE LOAD/CABLE LOAD ONLY: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a safety factor of 1.5. To convert Safe Load/Cable Load Only to reflect a safety factor of 2.0, multiply the safe loads shown by 0.75.

2 SAFE LOAD / CABLE LOAD +200 LBS: Allowable uniformly-distributed cable load expressed in lbs/linear foot of tray length, based on the load carrying capability of the rung with a 200 lb. concentrated static load applied at the center of the rung, without collapse.

3 Will not support a 200 lb. concentrated static load applied at the center of the rung.

[XX] Two digit code in the safe load limit tables indicates recommended rung option for specified width.

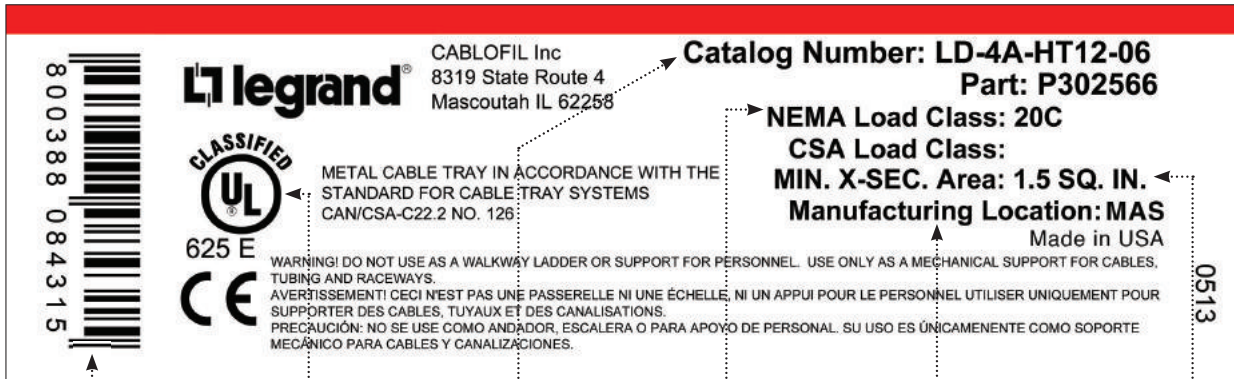
* Single rung load capacity: The data shown for 12" rung spacing is equivalent to the load capacity of the single rung.



† Slotted rungs are installed alternating slot up and slot down.

TRAY LABELS

This is a typical label attached to all PW cable tray straight sections and fittings. It presents important information about the cable tray component and is in accordance with NEMA VE1 guidelines. Labels for fiberglass and stainless steel tray systems are similar. Because these trays are not classified by UL as equipment grounding conductors, they do not have the UL logo or the UL classification text.



The **UPC code** is used for inventory control.

UL Classification details and the UL logo express the product's grounding qualifications, including the area of metal in the tray side rails.

Catalog Number indicates bottom type, depth, material type and part description per NEMA VE1.

NEMA Load Class is clearly marked.

Manufacturing Location indicates the Legrand manufacturing location from which this product was shipped.

Min. X-Sec. Area Cross sectional areal of both tray side rails per NEC Table SB 392.60 (A).

FABRICATION OPTIONS AND ENGINEERING SERVICES

No matter which product you choose, Legrand offers its customers a wide variety of fabrication options and engineering services. We pride ourselves in providing you with the products you need, built to your exact specifications. To help do so, take advantage of our wide range of ancillary services including:

- Take-off and estimating assistance
- Marking special identification numbers on tray labels
- Special identification labels and warning signs
- Custom drawing and design services
- Special packaging and shipment options
- Staging per customer-defined areas

We are pleased to provide customized cable tray to fit your specific needs. Examples of the types of modifications that can be made include but are not limited to:

- Factory-installed divider strips
- Pre-attached connector plates on trays and fittings
- Holes added to tray components for accessory attachments

Contact Legrand at 1-800-658-4641 so that we may discuss your exact job requirements.

FIBERGLASS

F FIBERGLASS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 6

LENGTHS (L) FEET

10 | 20



RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	RAIL FLANGE (IN.)	NEMA CLASS	CSA CLASS	SERIES	TRAY SYSTEM NUMBER	
						LADDER	SOLID BOTTOM
4	2 ⁷ / ₈	1 ¹ / ₄	12B	C	S1	7400	7D20
6	4 ⁷ / ₈	2	12C, 16A	D, 3M	S1	7615	7F20
	4 ³ / ₄	1 ⁵ / ₈	20C	E, 6M	S2	7625	7F24

MATERIAL:

Manufactured from polyester isophthalic resin conforming with ASTM E-84 Class 1. This material displays good corrosion resistance, including self extinguishing fire retardant properties that comply: UL94 VO, ASTM D-635, ASTM E-662, and FTMS 406-2023.

MECHANICAL PROPERTIES:

Tensile Strength: 20-30.6 kgf/mm²
28.4-43.5 ksi

Compression Strength: 20-30.6 kgf/mm²
28.4-43.5 ksi

Flexural Strength: 20-33.6 kfg/mm²
28.4-43.5 ksi

Shear Strength: 6.1 kgf/mm²
8.7 ksi

Density: 1.7-1.9 g/cm³
0.061-0.069lb/in³

THERMAL PROPERTIES:

Thermal Conductivity: 0.2-0.3 kcal/(mh °C)

Oxygen Index: 42%

Operating Temperature: -140 to +120 °C
-220 to 248 °F

TEMPERATURE		Polyester resin % of strength
F°	C°	
75	25	100%
100	38	90%
125	50	78%
150	68	68%
175	79	60%
200	90	52%

WEATHER RESISTANCE:

Water Absorption: 24 h = 0.15%
4 days = 0.25%

Weight Increase: After 500 h = 0.7%

ELECTRICAL PROPERTIES:

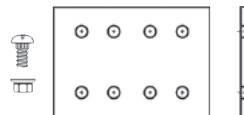
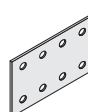
Dielectric Strength: 7-15 kV/mm

Insulation Resistance: 10¹³ -10¹⁶ ohm

Pultruded profiles display excellent resistance to the effects of UV and weathering.

CONNECTORS & FITTINGS:

Necessary connectors are supplied with all trays. Extra connectors for field cuts or spares must be ordered separately. Supplied in pairs with 316 stainless steel hardware. Fiberglass hardware is also available.


SPlicing


All fiberglass fittings have 5" tangents and splices with 8 predrilled holes. The vertical height of the splice is based upon the tray series.

	SUPPORT SPAN (FT.)															
	6		8		10		12		14		16		18		20	
	SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5															
	196	0.38	164	0.85	138	1.61	80	2.08	56	2.57	41	3.04				
			174	0.53	159	0.88	128	1.24	105	1.59	82	1.95	50	2.45		
					278	1.25	246	2.03	215	2.79	183	3.56	152	4.31	120	5.09

RESISTANCE TO VARIOUS CHEMICAL AGENTS			
CHEMICAL AGENT	CONC.	TEMP C°	TEMP F°
Acetic Acid	5%	65	149
Aluminum Sulphate		95	203
Ammonium Nitrate	100%	95	203
Beer		20	68
Benzene		20	68
Calcium Chloride		95	203
Chlorine Gas/Water		20	68
Chromic Acid	5%	95	203
Copper Sulphate		95	203
Ethylene Chlorohydrin		65	149
Ethylene Glycol		95	203
Ferrous Sulphate		95	203
Fatty Acids	100%	95	203
Hydrochloric Acid	1%	95	203
Hydrochloric Acid	10%	65	149
Hydrochloric Acid	37%	25	77
Kerosene		95	203
Magnesium Chloride		95	203
Napthaline		95	203

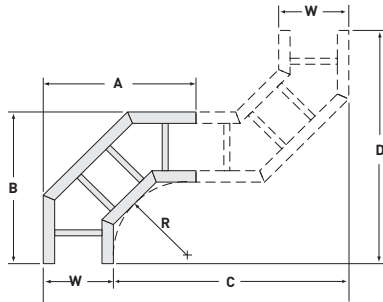
RESISTANCE TO VARIOUS CHEMICAL AGENTS			
CHEMICAL AGENT	CONC.	TEMP C°	TEMP F°
Nitric Acid	30%	20	68
Phosphoric Acid	10%	95	203
Phosphoric Acid	85%	65	149
Salt Water		65	149
Sodium Bicarbonate		65	149
Sodium Bisulphate		25	77
Sodium Carbonate		25	77
Sodium Chloride		95	203
Sodium Hypochlorite	5%	65	149
Sodium Nitrate	100%	95	203
Sodium Silicate		25	77
Sodium Sulphate		95	203
Sulphuric Acid	1%	95	203
Sulphuric Acid	5%	65	149
Sulphuric Acid	10%	76	169
Sulphuric Acid	30%	25	77
Trisodium Phosphate		25	77
Water Sea/Tap	100%	50	122
Zinc Sulphate		65	149

FIBERGLASS STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:			
BOTTOM TYPE ← 06-7615-0010-36			
06 – 6" Rung Spacing 09 – 9" Rung Spacing 12 – 12" Rung Spacing SB – Solid Bottom	TRAY SYSTEM NUMBER This identifies the specific tray design and is used as a product number prefix for straight sections.	LENGTH 0010 – 10'-0" 0020 – 20'-0"	WIDTH 06 – 6" 09 – 9" 12 – 12" 18 – 18" 24 – 24" 30 – 30" 36 – 36"

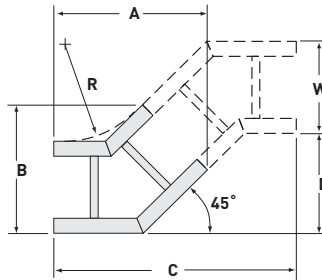
For detailed material and finish descriptions, see page B.6.

WWW.LEGRAND.US/CABLOFIL

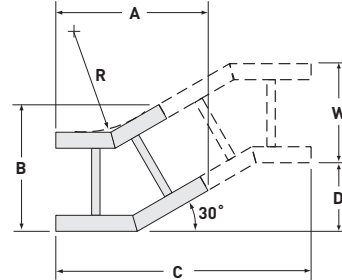
HORIZONTAL 90° ELBOW



HORIZONTAL 60° ELBOW



HORIZONTAL 30° ELBOW



PRODUCT NUMBER RADIUS (IN.)	W	A	B	C	D
9012 12	6	20	20	34	34
	9	23	23	37	37
	12	26	26	40	40
	18	32	32	46	46
	24	38	38	52	52
	30	44	44	58	58
9024 24	6	32	32	58	58
	9	35	35	61	61
	12	38	38	64	64
	18	44	44	70	70
	24	50	50	76	76
	30	56	56	82	82
9036 36	6	44	44	82	82
	9	47	47	85	85
	12	50	50	88	88
	18	56	56	94	94
	24	62	62	100	100
	30	68	68	106	106
	36	74	74	112	112

PRODUCT NUMBER RADIUS (IN.)	W	A	B	C	D
4512 12	6	16 ¹ / ₈	11	27 ¹ / ₈	11 ¹ / ₂
	9	18 ¹ / ₈	14	30	12 ¹ / ₂
	12	20 ³ / ₈	17	32 ³ / ₈	13 ³ / ₈
	18	24 ⁵ / ₈	23	36 ⁵ / ₈	15 ¹ / ₈
	24	28 ³ / ₈	29	40 ³ / ₈	16 ⁷ / ₈
	30	33 ¹ / ₈	35	44 ⁷ / ₈	18 ⁵ / ₈
4524 24	6	24 ⁵ / ₈	14 ¹ / ₂	44 ⁷ / ₈	18 ⁵ / ₈
	9	26 ³ / ₈	17 ¹ / ₂	47	19 ¹ / ₂
	12	28 ⁷ / ₈	20 ¹ / ₂	49 ¹ / ₈	20 ³ / ₈
	18	33 ¹ / ₈	26 ¹ / ₂	53 ³ / ₈	22 ¹ / ₈
	24	37 ³ / ₈	32 ¹ / ₂	57 ⁵ / ₈	23 ⁷ / ₈
	30	41 ⁵ / ₈	38 ¹ / ₂	61 ⁷ / ₈	25 ⁵ / ₈
4536 36	6	33 ¹ / ₈	18	61 ⁷ / ₈	25 ⁵ / ₈
	9	35 ¹ / ₈	21	64	26 ¹ / ₂
	12	37 ³ / ₈	24	66 ¹ / ₈	27 ³ / ₈
	18	41 ⁵ / ₈	30	70 ³ / ₈	29 ¹ / ₈
	24	45 ⁷ / ₈	36	74 ⁵ / ₈	30 ⁷ / ₈
	30	50 ¹ / ₈	42	78 ⁷ / ₈	32 ⁵ / ₈
	36	54 ¹ / ₈	48	83 ³ / ₈	34 ³ / ₈

PRODUCT NUMBER RADIUS (IN.)	W	A	B	C	D
3012 12	6	12 ³ / ₈	8 ³ / ₈	22 ³ / ₈	6
	9	14 ¹ / ₈	11 ³ / ₈	23 ³ / ₈	6 ³ / ₈
	12	15 ⁵ / ₈	14 ³ / ₈	25 ⁵ / ₈	6 ³ / ₈
	18	18 ³ / ₈	20 ³ / ₈	28 ³ / ₈	7 ⁵ / ₈
	24	21 ¹ / ₈	26 ⁵ / ₈	31 ³ / ₈	8 ³ / ₈
	30	24 ³ / ₈	32 ³ / ₈	34 ³ / ₈	9 ¹ / ₈
3024 24	6	18 ³ / ₈	10 ³ / ₈	34 ³ / ₈	9 ¹ / ₈
	9	20 ¹ / ₈	13 ³ / ₈	35 ⁷ / ₈	9 ⁵ / ₈
	12	21 ³ / ₈	16 ³ / ₈	37 ³ / ₈	10
	18	24 ³ / ₈	22 ³ / ₈	40 ³ / ₈	10 ³ / ₈
	24	27 ³ / ₈	28 ³ / ₈	43 ³ / ₈	11 ⁵ / ₈
	30	30 ³ / ₈	34 ³ / ₈	46 ³ / ₈	12 ³ / ₈
3036 36	6	24 ³ / ₈	12	46 ³ / ₈	12 ³ / ₈
	9	26 ¹ / ₈	15	47 ⁷ / ₈	12 ⁷ / ₈
	12	27 ³ / ₈	18	49 ³ / ₈	13 ¹ / ₈
	18	30 ³ / ₈	24	52 ³ / ₈	14
	24	33 ³ / ₈	30	55 ³ / ₈	14 ⁷ / ₈
	30	36 ³ / ₈	36	58 ³ / ₈	15 ⁵ / ₈
	36	39 ³ / ₈	42	61 ³ / ₈	16 ¹ / ₂

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 6

FIBERGLASS HORIZONTAL ELBOW CATALOG NUMBERING EXAMPLE:

PRODUCT NO.

LD - Ladder
SB - Solid Bottom

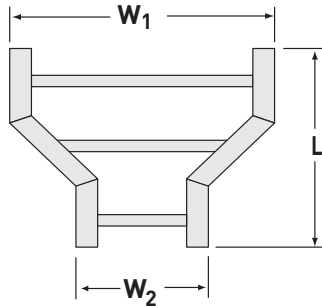
← LD - 7 6 1 5 - 4 5 1 2 - 3 6 → WIDTH

06 - 6"
09 - 9"
12 - 12"
18 - 18"
24 - 24"
30 - 30"
36 - 36"

TRAY SYSTEM NUMBER

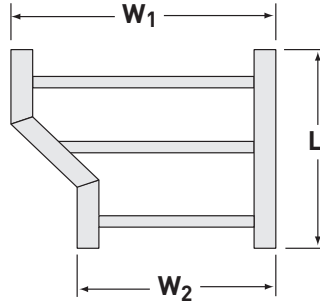
This identifies the specific tray design and is used as a product number prefix for straight sections.

HORIZONTAL STRAIGHT REDUCER



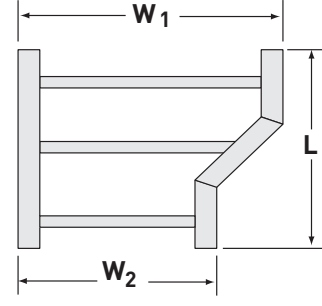
MAIN WIDTH W1	BRANCH WIDTH W2	PRODUCT NUMBER	L
9	6	0109	18 ¹ / ₄
12	6	0112	17 ⁵ / ₈
12	9	0112	18 ¹ / ₄
18	6	0118	20 ⁵ / ₈
18	9	0118	19 ¹ / ₈
18	12	0118	17 ⁵ / ₈
24	6	0124	23 ⁵ / ₈
24	9	0124	22 ¹ / ₈
24	12	0124	20 ⁵ / ₈
24	18	0124	17 ⁵ / ₈
30	6	0130	26 ⁵ / ₈
30	9	0130	25 ¹ / ₈
30	12	0130	23 ⁵ / ₈
30	18	0130	20 ⁵ / ₈
30	24	0130	17 ⁵ / ₈
36	6	0136	29 ⁵ / ₈
36	9	0136	28 ¹ / ₈
36	12	0136	26 ⁵ / ₈
36	18	0136	23 ⁵ / ₈
36	24	0136	20 ⁵ / ₈
36	30	0136	17 ⁵ / ₈

HORIZONTAL LEFT HAND REDUCER



MAIN WIDTH W1	BRANCH WIDTH W2	PRODUCT NUMBER	L
9	6	0709	17 ⁵ / ₈
12	6	0712	20 ⁵ / ₈
12	9	0712	17 ⁵ / ₈
18	6	0718	26 ⁵ / ₈
18	9	0718	23 ⁵ / ₈
18	12	0718	20 ⁵ / ₈
24	6	0724	32 ⁵ / ₈
24	9	0724	29 ⁵ / ₈
24	12	0724	26 ⁵ / ₈
24	18	0724	20 ⁵ / ₈
30	6	0730	38 ⁵ / ₈
30	9	0730	35 ⁵ / ₈
30	12	0730	32 ⁵ / ₈
30	18	0730	26 ⁵ / ₈
30	24	0730	20 ⁵ / ₈
36	6	0736	44 ⁵ / ₈
36	9	0736	41 ⁵ / ₈
36	12	0736	38 ⁵ / ₈
36	18	0736	32 ⁵ / ₈
36	24	0736	26 ⁵ / ₈
36	30	0736	20 ⁵ / ₈

HORIZONTAL RIGHT HAND REDUCER

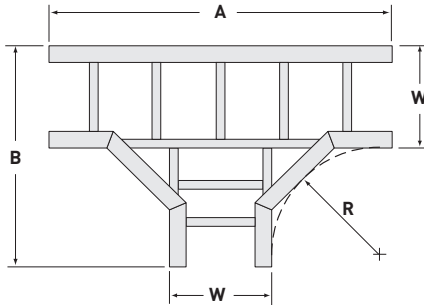


MAIN WIDTH W1	BRANCH WIDTH W2	PRODUCT NUMBER	L
9	6	0809	17 ⁵ / ₈
12	6	0812	20 ⁵ / ₈
12	9	0812	17 ⁵ / ₈
18	6	0818	26 ⁵ / ₈
18	9	0818	23 ⁵ / ₈
18	12	0818	20 ⁵ / ₈
24	6	0824	32 ⁵ / ₈
24	9	0824	29 ⁵ / ₈
24	12	0824	26 ⁵ / ₈
24	18	0824	20 ⁵ / ₈
30	6	0830	38 ⁵ / ₈
30	9	0830	35 ⁵ / ₈
30	12	0830	32 ⁵ / ₈
30	18	0830	26 ⁵ / ₈
30	24	0830	20 ⁵ / ₈
36	6	0836	44 ⁵ / ₈
36	9	0836	41 ⁵ / ₈
36	12	0836	38 ⁵ / ₈
36	18	0836	32 ⁵ / ₈
36	24	0836	26 ⁵ / ₈
36	30	0836	20 ⁵ / ₈

FIBERGLASS HORIZONTAL REDUCER CATALOG NUMBERING EXAMPLE:

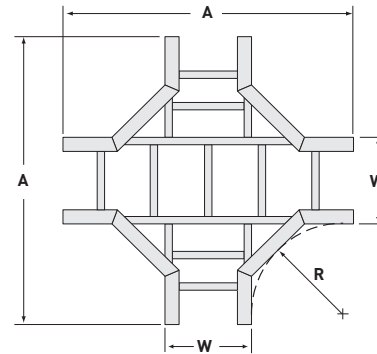
BOTTOM TYPE		PRODUCT NO.	
LD - Ladder	SB - Solid Bottom	SB - 7F20 - 0118 - 12	
		TRAY SYSTEM NUMBER	W1 W2
		This identifies the specific tray design and is used as a product number prefix for straight sections.	06 - 6" 09 - 9" 12 - 12" 18 - 18" 24 - 24" 30 - 30" 36 - 36"

HORIZONTAL TEE



PRODUCT NUMBER RADIUS (IN.)	W	A	B
2012 12	6	34	20
	9	37	23
	12	40	26
	18	46	32
	24	52	38
	30	58	44
	36	64	50
2024 24	6	58	32
	9	61	35
	12	64	38
	18	70	44
	24	76	50
	30	82	56
	36	88	62
2036 36	6	82	44
	9	85	47
	12	88	50
	18	94	56
	24	100	62
	30	106	68
	36	112	74

HORIZONTAL CROSS



PRODUCT NUMBER RADIUS (IN.)	W	A
1012 12	6	34
	9	37
	12	40
	18	46
	24	52
	30	58
	36	64
1024 24	6	58
	9	61
	12	64
	18	70
	24	76
	30	82
	36	88
1036 36	6	82
	9	85
	12	88
	18	94
	24	100
	30	106
	36	112

FIBERGLASS FITTINGS

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 6

RADIUS (R) INCHES

12 | 24 | 36

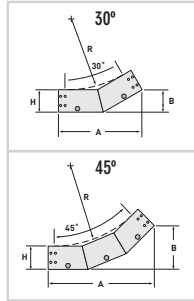
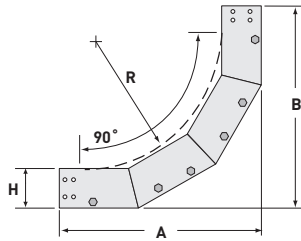
FIBERGLASS HORIZONTAL TEE CATALOG NUMBERING EXAMPLE:

PRODUCT NO.
LD - 7615 - 2012 - 12
 BOTTOM TYPE ← **LD** - Ladder
SB - Solid Bottom
7615 - TRAY SYSTEM NUMBER
 This identifies the specific tray design and is used as a product number prefix for straight sections.
 WIDTH → **06** - 6"
09 - 9"
12 - 12"
18 - 18"
24 - 24"
30 - 30"
36 - 36"

B.74

VERTICAL INSIDE ELBOWS

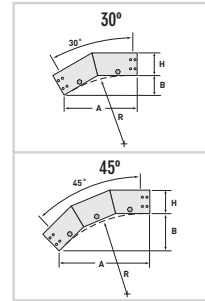
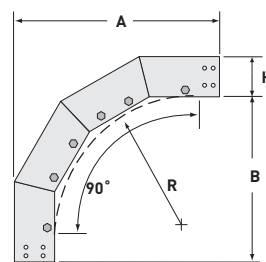
90°



	PRODUCT NUMBER RADIUS (IN.)	W	RAIL HEIGHT (IN.)			
			4		6	
			A	B	A	B
90°	9112 12	ALL	18	18	20	20
	9124 24	ALL	30	30	32	32
	9136 36	ALL	42	42	44	44
45°	4612 12	ALL	14 ³ / ₈	6 ¹ / ₈	16 ¹ / ₈	6 ⁵ / ₈
	4624 24	ALL	23 ¹ / ₄	9 ⁵ / ₈	24 ⁵ / ₈	10 ¹ / ₄
	4636 36	ALL	31 ³ / ₄	13 ¹ / ₈	33 ³ / ₈	13 ³ / ₄
30°	3112 12	ALL	11 ³ / ₄	3 ¹ / ₈	12 ³ / ₄	3 ³ / ₈
	3124 24	ALL	17 ³ / ₄	4 ³ / ₄	18 ³ / ₄	5
	3136 36	ALL	23 ³ / ₄	6 ³ / ₈	24 ³ / ₄	6 ⁵ / ₈

VERTICAL OUTSIDE ELBOWS

90°



	PRODUCT NUMBER RADIUS (IN.)	W	RAIL HEIGHT (IN.)			
			4		6	
			A	B	A	B
90°	9212 12	ALL	18	14	20	14
	9224 24	ALL	30	26	32	26
	9236 36	ALL	42	38	44	38
45°	4712 12	ALL	11 ⁷ / ₈	4 ⁷ / ₈	11 ⁷ / ₈	4 ⁷ / ₈
	4724 24	ALL	20 ³ / ₈	8 ¹ / ₂	20 ³ / ₈	8 ¹ / ₂
	4736 36	ALL	28 ⁷ / ₈	12	28 ⁷ / ₈	12
30°	3212 12	ALL	9 ³ / ₄	2 ⁵ / ₈	9 ³ / ₄	2 ⁵ / ₈
	3224 24	ALL	15 ³ / ₄	4 ¹ / ₄	15 ³ / ₄	4 ¹ / ₄
	3236 36	ALL	21 ³ / ₄	5 ⁷ / ₈	21 ³ / ₄	5 ⁷ / ₈

FIBERGLASS INSIDE ELBOW CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE
LD - Ladder
SB - Solid Bottom

PRODUCT NO.
← **LD - 7615 - 9112 - 24** → **WIDTH**

**TRAY SYSTEM
NUMBER**

This identifies the
specific tray design
and is used as a
product number prefix
for straight sections.

06 - 6"
09 - 9"
12 - 12"
18 - 18"
24 - 24"
30 - 30"
36 - 36"

FIBERGLASS FITTINGS

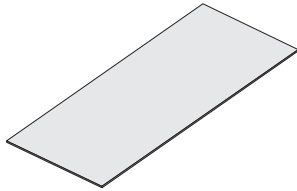
B.75

For detailed material and finish descriptions, see page B.6.

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FLAT COVER

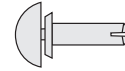
Covers are highly recommended to avoid damage to the tray contents and to protect against the elements. Flat covers are available for both straight sections and fittings. Covers are made from fire-retardant polyester resin per ASTM E84 Class 1, light gray color. Standard cover thickness is 1/8" and length is 10'-0". Side rail height is necessary for outside vertical fitting covers. Please contact Legrand for more information.



	LENGTH (FT.)	SYSTEM NUMBER
COVER	10	7130

DRIVE RIVET

Only for use with indoor, horizontal covers. Drive rivets are the most economical method of cover attachment. Requires field drilling. Install on 24" centers.



COMPLETE CATALOG NUMBER

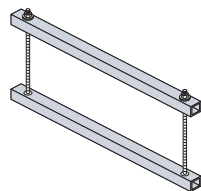
DS-8935-PL

FLAT COVER CONNECTORS

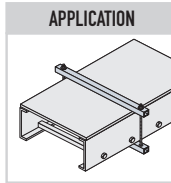
For use with indoor, outdoor, or vertical flat covers. The 1400 cover connector is 1" wide fiberglass. Install one connector over each cover joint and 36"-48" spacing between joints.

CHANNEL-STYLE

F



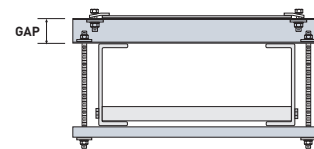
APPLICATION



	PRODUCT NUMBER	FASTENERS INCLUDED
CHANNEL	1400	FG S6
CATALOG NUMBERING EXAMPLE:		
System No.	Width	Fasteners
6 FI -	1400	-24-S6

RAISED COVER CONNECTOR F

For use with all covers, indoors and outdoors. Covers are attached to upright-mounted "C" channel on the top of the cable tray. Install 36"-48" on center.



GAP DIMENSION (IN.)	PRODUCT NUMBER	FASTENERS INCLUDED
1	1441	FG S6
2	1442	FG S6
CATALOG NUMBERING EXAMPLE:		
System No.	Width	Fasteners
6 FI -	1441	-24-S6

FIBERGLASS COVER & ACCESSORIES

WIDTHS (W) INCHES

6 | 9 | 12 | 18 | 24 | 30 | 36

RAIL HEIGHTS (H) INCHES

4 | 6

LENGTH (L) FEET

10

FIBERGLASS PREFIX OPTIONS

F1	SERIES1
F2	SERIES2
FI	Flange In

FIBERGLASS FLAT COVER CATALOG NUMBERING EXAMPLE:

LENGTH OR PRODUCT FITTING NO.

7130 - 0010 - 36 → WIDTH

TRAY SYSTEM
NUMBER

This identifies the
specific tray design
and is used as a
product number prefix
for straight sections.

LENGTH

0010 - 10'

or

9112

FITTING PRODUCT NO.

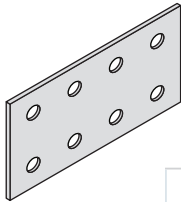
This identifies
fitting type and radius

06 - 6"
09 - 9"
12 - 12"
18 - 18"
24 - 24"
30 - 30"
36 - 36"

Splice plates and connectors are fire-retardant polyester resin per ASTM E84 Class 1. Sufficient connector pairs with fasteners are automatically included with each shipment of straight sections and fittings. Extras must be ordered separately. Type 316 stainless steel fasteners are included standard, but fiberglass and fiberglass-encapsulated fasteners are options. Tighten flanged hex nut to approximately 10-14 ft.-lbs. of torque.

STANDARD SPLICE

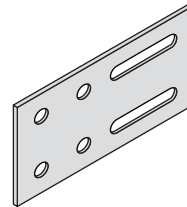
F



PRODUCT NUMBER	FASTENERS
1302	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1302 - S6	

EXPANSION SPLICE

F

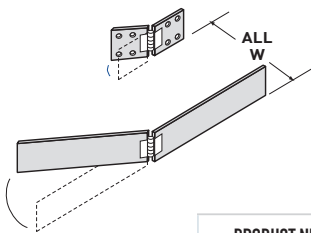


Allows thermal contraction and expansion of tray of up to 1". Tray length and temperature differential govern the spacing and quantity needed.

PRODUCT NUMBER	FASTENERS
1314	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1314 - S6	

HORIZONTAL ADJUSTABLE SPLICE

F

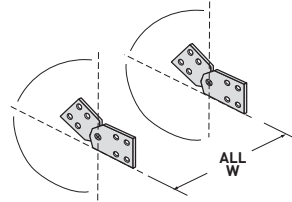


Joins trays at adjustable bend angles up to 30°.

PRODUCT NUMBER	FASTENERS
1305	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1305 - S6	

VERTICAL ADJUSTABLE SPLICE

F

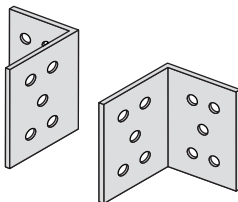


Joins trays at adjustable bend angles up to 90°.

PRODUCT NUMBER	FASTENERS
1307	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1307 - S6	

90° CONNECTOR

F

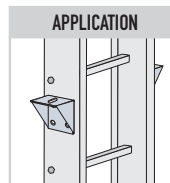
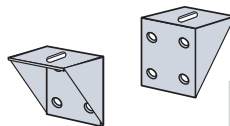


PRODUCT NUMBER	FASTENERS
1320	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1320 - S6	

VERTICAL HANGER SPLICE

F

Provides vertical support point for trays.

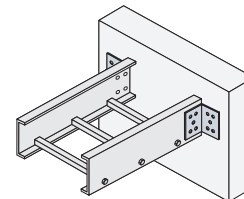


PRODUCT NUMBER	FASTENERS
0356	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 0356 - S6	

TRAY-TO-BOX CONNECTOR

F

Connects tray to the wall or a vertical upright. Hardware for tray attachment only is included.



PRODUCT NUMBER	FASTENERS
1864	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Fasteners
F1 - 1864 - S6	

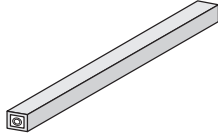
For detailed material and finish descriptions, see page B.6.

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ADDITIONAL RUNG

F

Add or replace a tray rung using the hardware provided. Field drilling may be required. Rungs include factory-installed threaded collets.

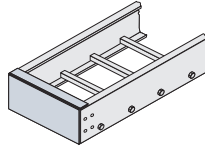


PRODUCT NUMBER	FASTENERS
8200	S6
CATALOG NUMBERING EXAMPLE:	
Material	Width Fasteners
F - 8200	- 12 - S6

BLIND END PLATE

F

Seals off the open end of a cable tray. Attaches to the tray using standard 3/8" dia. connector hardware.



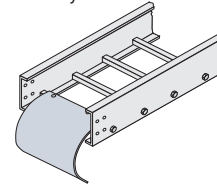
RAIL HEIGHTS (H)
INCHES
4 | 6

PRODUCT NUMBER	FASTENERS
0402	S6 FG
CATALOG NUMBERING EXAMPLE:	
System No.	Width Fasteners
6 FI - 0402	- 12 - S6

CABLE DROPOUT

T

Provides a smooth, rounded surface for cables dropping out of the bottom of the cable tray.



RADIUS	PRODUCT NUMBER	FASTENERS
5	0254	S6
CATALOG NUMBERING EXAMPLE:		
System No.	Width Fasteners	
T I - 0254	- 24 - S6	

DIVIDER STRIPS

F

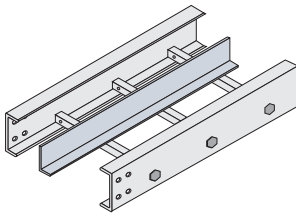
Straight strips are for use with all straight ladder tray; flexible strips are for use with all horizontal fittings of any radius. Field-drilled holes are required for installation of all divider strips. Clips should be attached to rungs on alternating sides of the divider strip.

RAIL HEIGHTS (H)

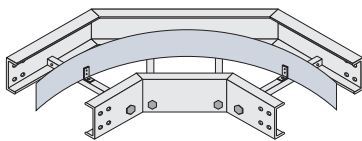
INCHES

4 | 6

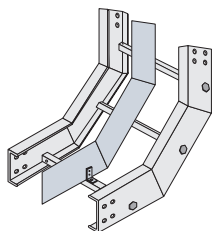
STRAIGHT HORIZONTAL DIVIDER



FLEXIBLE HORIZONTAL DIVIDER



VERTICAL FITTING DIVIDER



TYPE	PRODUCT NUMBER	LENGTH (FT)
STRAIGHT HORIZONTAL	0010-99	10
(5) THERMOPLASTIC DRIVE RIVETS INCLUDED		

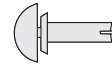
TYPE	PRODUCT NUMBER	LENGTH (FT)
FLEXIBLE HORIZONTAL	0606-99	6
(4) HOLD DOWN CLIPS INCLUDED		

TYPE	PRODUCT NUMBER	RADIUS
VERTICAL 90° INSIDE ELBOW	9112-99	12
	9124-99	24
	9136-99	36
VERTICAL 90° OUTSIDE ELBOW	9212-99	12
	9224-99	24
	9236-99	36
VERTICAL 45° INSIDE ELBOW	4612-99	12
	4624-99	24
	4636-99	36
VERTICAL 45° OUTSIDE ELBOW	4712-99	12
	4724-99	24
	4736-99	36
VERTICAL 30° INSIDE ELBOW	3112-99	12
	3124-99	24
	3136-99	36
VERTICAL 30° OUTSIDE ELBOW	3212-99	12
	3224-99	24
	3236-99	36

(2) HOLD DOWN CLIPS INCLUDED

CATALOG NUMBERING EXAMPLE:		
System No.		
6 F - 0010-99	- PL	

THERMOPLASTIC DRIVE RIVET

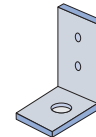


COMPLETE CATALOG NO.

DS-8935-PL

HOLD DOWN CLIP

F



COMPLETE CATALOG NO.

F-1852-PL

(3) THERMOPLASTIC DRIVE RIVETS INCLUDED

FIELD CUTTING SEALANT



Used to reseal fiberglass after field modifications. Available in quart and gallon sizes. Includes two brushes.

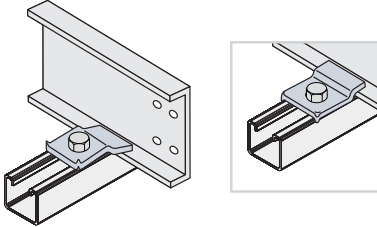
SIZE	CATALOG NO.
QUART	0941-Q
GALLON	0941-G

FIBERGLASS PREFIX OPTIONS

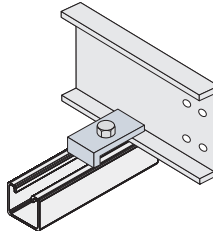
F1	SERIES1
F2	SERIES2
FI	Flange In

EXPANSION GUIDE CLAMP **T**

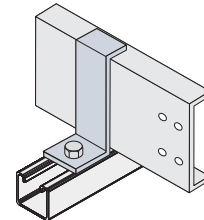
Works as an expansion guide and flips over as a hold down clamp. For use with all ladder tray systems.

HOLD DOWN CLAMP **F**

Securely fastens the tray to the support member. For use with all ladder tray systems.

Z-HOLD DOWN CLAMP **F T**

Securely fastens the tray to the support member and prevents lateral movement. For use with all flange-in tray systems.



RAIL HEIGHTS (H)
INCHES
4 | 6

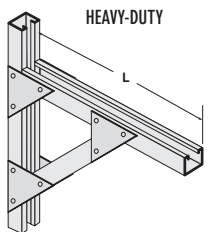
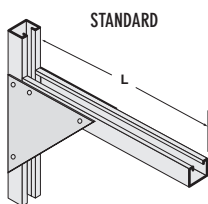
PRODUCT NUMBER	FASTENERS INCLUDED	
1893-01	S6	$\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " flanged nut
1893-02	NONE	
1893-03	S6	$\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " spring nut
CATALOG NUMBERING EXAMPLE:		
Material	Fasteners	
T - 1893-01	- S6	

PRODUCT NUMBER	FASTENERS INCLUDED	
1811-01	S6 FG	$\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " flanged nut
1811-02	NONE	
1811-03	S6 FG	$\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " channel nut
CATALOG NUMBERING EXAMPLE:		
Material	Fasteners	
F - 1811-01	- S6	

PRODUCT NUMBER	FASTENERS INCLUDED	
1866-01	S6 FG	$\frac{1}{4}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{1}{4}$ " flanged nut $\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " flanged nut
1866-02	NONE	
1866-03	S6 FG	$\frac{1}{4}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{1}{4}$ " spring nut $\frac{3}{8}$ " x $1\frac{1}{2}$ " hex bolt, $\frac{3}{8}$ " spring nut
CATALOG NUMBERING EXAMPLE:		
System No.	Fasteners	
6 T - 1866-01	- S6	

SUPPORT BRACKETS **F**

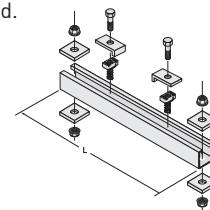
Support brackets use $1\frac{5}{8}$ " x $1\frac{5}{8}$ " struts. Uniform Design Load is based on a safety factor of 2.0. When selecting "L", allow extra for flanges when supporting a solid bottom tray system.



L	STANDARD		HEAVY-DUTY	
	PRODUCT NUMBER	DESIGN LOAD (LBS.)	PRODUCT NUMBER	DESIGN LOAD (LBS.)
7	0386	245	-	-
10	0386	237	-	-
13	0386	230	-	-
16	0386	217	-	-
19	0386	205	0387	610
22	0386	192	-	-
25	0386	180	0387	590
31	-	-	0387	700
37	-	-	0387	700
43	-	-	0387	700
ASSEMBLY HARDWARE S6				
CATALOG NUMBERING EXAMPLE:				
Material	Length			
F - 0386	- 10			

TRAPEZE HANGER SUPPORT KIT (STANDARD DUTY) **F T**

Made with $1\frac{5}{8}$ " x $1\frac{5}{8}$ " fiberglass strut, designed to accept $\frac{1}{2}$ " threaded rod (sold separately). Includes hardware for ladder trays. For other designs contact Legrand.



TRAY WIDTH	PRODUCT NUMBER
6	0385-10
9	0385-13
12	0385-16
18	0385-22
24	0385-28
30	0385-34
36	0385-40
FASTENERS INCLUDED FG S6	
CATALOG NUMBERING EXAMPLE:	
Material	Length Fasteners
F - 0385-10	- S6

FIBERGLASS ACCESSORIES

For detailed material and finish descriptions, see page B.6.

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