

LADDER, TROUGH & SOLID BOTTOM

ITRAY ALUMINUM TRAY

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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			
	2C (12 AWG)	3C (12 AWG)	3C (AWG 4/0)	3C (500 kcmil)
6	35 cbls	31 cbls	3 cbls	2 cbls
9	52 cbls	45 cbls	5 cbls	3 cbls
12	71 cbls	63 cbls	7 cbls	5 cbls
18	107 cbls	94 cbls	11 cbls	7 cbls
24	143 cbls	126 cbls	15 cbls	10 cbls
30	178 cbls	157 cbls	18 cbls	12 cbls
36	214 cbls	204 cbls	22 cbls	15 cbls

* Vented cable tray only.

TRAY MATERIAL	SIDE RAIL HEIGHTS INCHES	VENTED		NON-VENTED	
		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	7/8" wide ribs are 1/2" deep on 2" centers with air vents	7/8" wide ribs are 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	7/8" wide ribs are 1/2" deep on 2" centers with air vents	7/8" wide ribs are 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 cbls	317 cbls	236 cbls	127 cbls
9	3	594 cbls	476 cbls	355 cbls	190 cbls
12	3	793 cbls	634 cbls	473 cbls	254 cbls
18	3	1189 cbls	952 cbls	710 cbls	381 cbls
24	3	1586 cbls	1269 cbls	947 cbls	509 cbls
30	3	1982 cbls	1587 cbls	1183 cbls	636 cbls
36	3	2379 cbls	1904 cbls	1420 cbls	763 cbls
6	4	527 cbls	422 cbls	314 cbls	169 cbls
9	4	803 cbls	643 cbls	480 cbls	258 cbls
12	4	1055 cbls	844 cbls	629 cbls	338 cbls
18	4	1582 cbls	1266 cbls	944 cbls	508 cbls
24	4	2110 cbls	1689 cbls	1259 cbls	677 cbls
30	4	2679 cbls	2145 cbls	1600 cbls	860 cbls
36	4	3215 cbls	2574 cbls	1920 cbls	1032 cbls

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 cbls	529 cbls	394 cbls	212 cbls
9	5	991 cbls	793 cbls	591 cbls	318 cbls
12	5	1321 cbls	1058 cbls	789 cbls	424 cbls
18	5	1982 cbls	1587 cbls	1183 cbls	636 cbls
24	5	2643 cbls	2116 cbls	1578 cbls	848 cbls
30	5	3304 cbls	2645 cbls	1972 cbls	1061 cbls
36	5	3965 cbls	3174 cbls	2367 cbls	1273 cbls
6	6	788 cbls	631 cbls	469 cbls	277 cbls
9	6	1189 cbls	952 cbls	710 cbls	381 cbls
12	6	1515 cbls	1213 cbls	905 cbls	486 cbls
18	6	2273 cbls	1820 cbls	1357 cbls	730 cbls
24	6	3031 cbls	2427 cbls	1810 cbls	973 cbls
30	6	3965 cbls	3174 cbls	2367 cbls	1273 cbls
36	6	4758 cbls	3809 cbls	2841 cbls	1527 cbls

METALLIC



ITRAY

A ALUMINUM

CONNECTORS & FITTINGS:

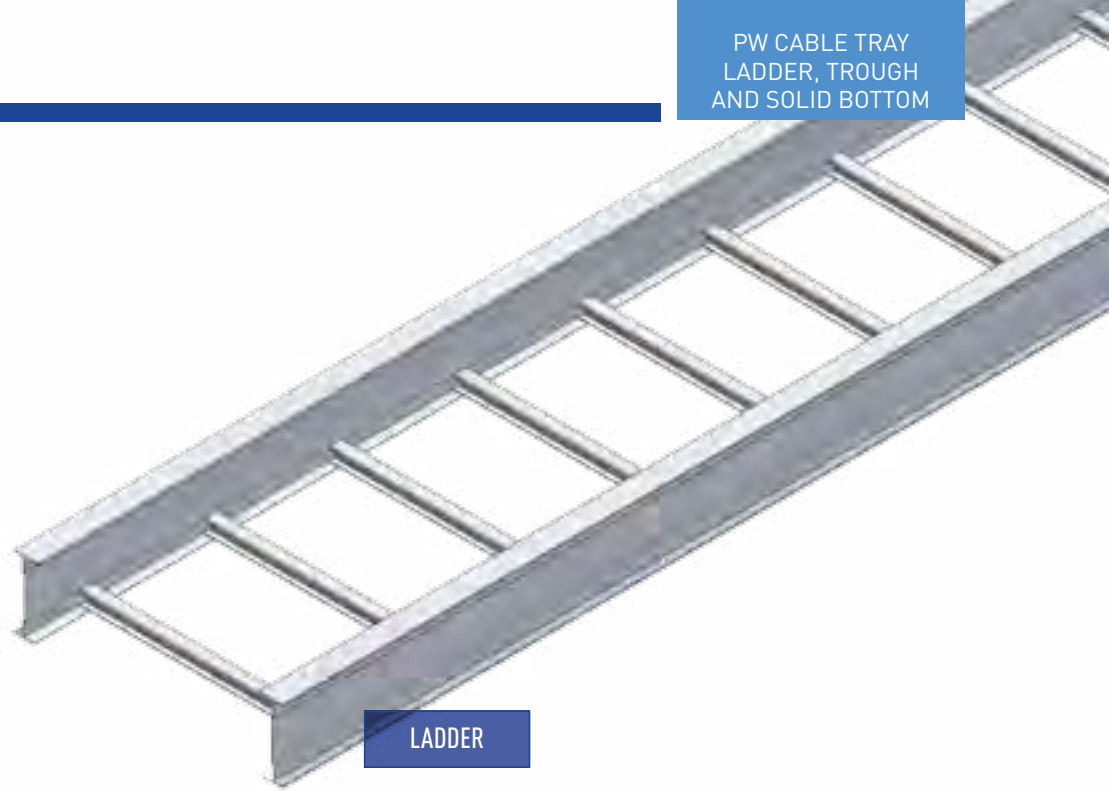
Necessary connectors and fasteners are supplied with all trays and fittings. Extra connectors for field cuts or spares must be ordered separately.


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.



RAIL HEIGHT (IN.)	LOAD DEPTH (IN.)	NEMA CLASS	AVAILABLE LENGTHS (FT.)						WIDTHS (IN.)	TRAY SYSTEM NUMBER	AMP RATING
			10	12	20	24	30	36			
4	3	12B	10	12	-	-	-	6-36	4A12B	1000	
	3	12C	10	12	20	-	-	6-36	4A12C	1000	
	3	20B	-	12	20	24	-	6-36	4A20B	1600	
5	4	12C	10	12	20	-	-	6-36	5A12C	1000	
	4	20B	-	12	20	24	-	6-36	5A20B	1600	
6	5	12C	10	12	20	-	-	6-36	6A12C	1000	
	5	20B	-	12	20	24	-	6-36	6A20B	1600	
	5	20C	-	12	20	24	-	6-36	6A20C	1600	
	5	24C	-	-	20	24	30	6-36	6A24C	1600	
7	6	12C	10	12	20	-	-	6-36	7A12C	1000	
	6	20B	-	12	20	24	-	6-36	7A20B	1600	
	6	20C	-	12	20	24	-	6-36	7A20C	1600	
	6	24C	-	-	20	24	30	6-36	7A24C	1600	

WIDTHS (W) INCHES

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

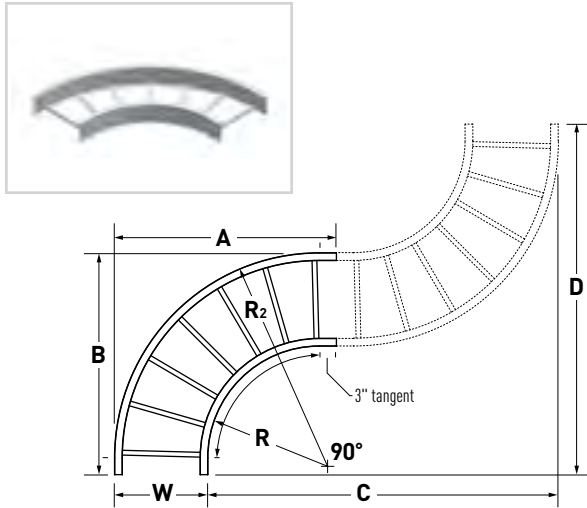
RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7



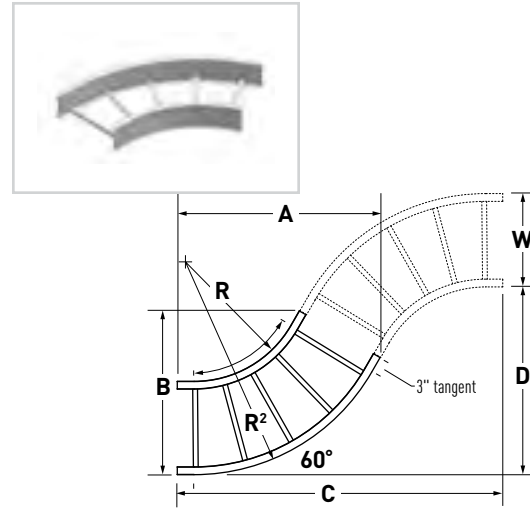
90HB
HORIZONTAL 90° ELBOW

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
	36	48	51	51	66	66
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	60	63	63	90	90
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
	36	72	75	75	114	114

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 ¹ / ₈	23 ¹ / ₄
	18	30	30 ¹ / ₂	26 ⁵ / ₈	45 ³ / 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 ³ / ₄	32 ¹ / ₄
	36	48	46 ¹ / ₈	44 ⁵ / ₈	61	35 ¹ / ₄
24	6	30	30 ¹ / ₂	20 ⁵ / ₈	55 ³ / ₄	32 ¹ / ₄
	9	33	33 ¹ / ₈	23 ⁵ / ₈	58 ³ / 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 ¹ / ₈	38 ¹ / ₄
	24	48	46 ¹ / ₈	38 ⁵ / ₈	71 ³ / ₈	41 ¹ / ₄
	30	54	51 ¹ / ₄	44 ⁵ / ₈	76 ¹ / ₂	44 ¹ / ₄
	36	60	56 ¹ / ₂	50 ⁵ / ₈	81 ³ / ₄	47 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 ¹ / ₈	45 ³ / ₄
	12	48	46 ¹ / ₈	32 ⁵ / ₈	81 ³ / ₄	47 ¹ / ₄
	18	54	51 ¹ / ₄	38 ⁵ / ₈	87	50 ¹ / ₄
	24	60	56 ¹ / ₂	44 ⁵ / ₈	92 ¹ / ₈	53 ¹ / ₄
	30	66	61 ⁵ / ₈	50 ⁵ / ₈	97 ³ / ₈	56 ¹ / ₄
	36	72	66 ⁷ / ₈	56 ⁵ / ₈	102 ¹ / ₂	59 ¹ / ₄

WIDTHS (W) INCHES

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

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

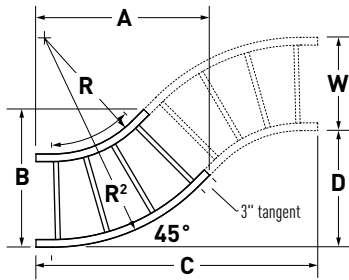
RADIUS (R) INCHES

12 | 24 | 36



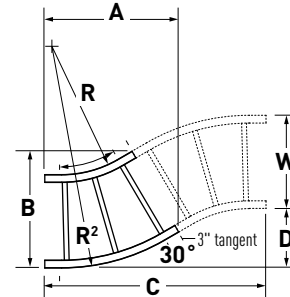
45HB
HORIZONTAL 45° ELBOW

A



30HB
HORIZONTAL 30° ELBOW

A



RADIUS R	WIDTH W	RADIUS 2 R2	A	B	C	D
12	6	18	17 ⁵ / ₈	11 ⁵ / ₈	31 ¹ / ₂	13
	9	21	20	14 ⁵ / ₈	33 ⁵ / 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 ³ / ₈	20
24	6	30	26 ³ / ₈	15 ¹ / ₈	48 ³ / 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 ⁷ / 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	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 ³ / 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 ⁷ / 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	72	41 ⁵ / ₈	42 ³ / ₈	65 ¹ / ₄	17 ¹ / ₂	

ITRAY HORIZONTAL ELBOW CATALOG NUMBERING EXAMPLE:

← **LD - 4 A - 90HB 12 - 06** →

VENTED	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"
NON-VENTED	6 - 6"	45HB	36 - 36"	12 - 12"
SC - Solid Corrugated	7 - 7"	30HB		18 - 18"
SB - Solid Bottom				24 - 24"
				30 - 30"
				36 - 36"

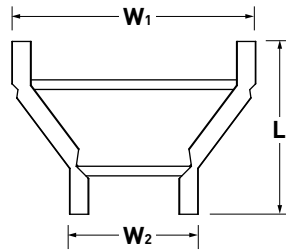
MATERIAL A



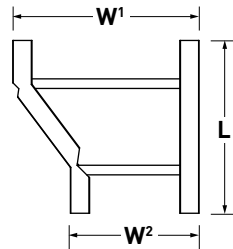
SR / LR / RR
HORIZONTAL REDUCERS

A

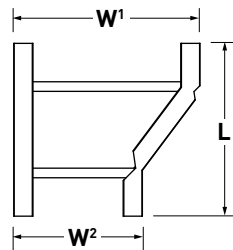
STRAIGHT



LEFT HAND



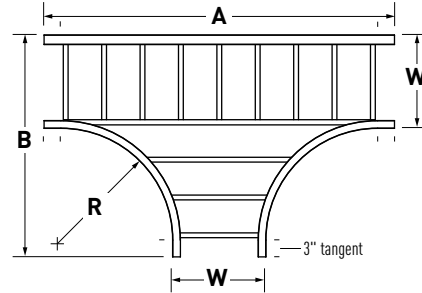
RIGHT HAND



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

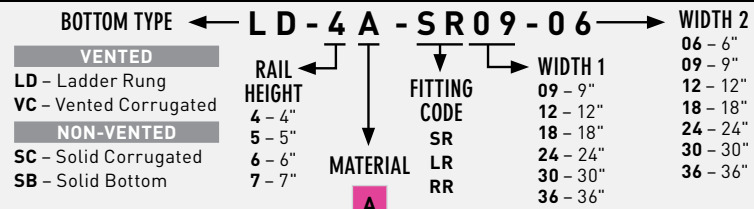
HT
HORIZONTAL STANDARD TEE

A



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

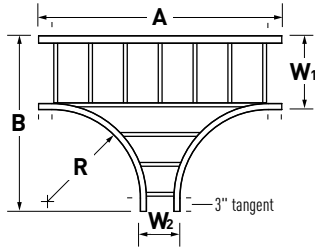
ITRAY HORIZONTAL REDUCER CATALOG NUMBERING EXAMPLE:



RT / ET HORIZONTAL REDUCING/EXPANDING TEES

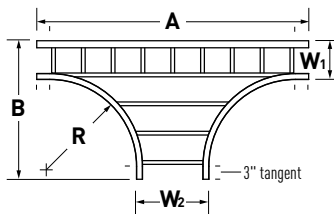
A

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	24	60	36	36	84	48
12	6		36	27		60	39		84	51
	9		39	27		63	39		87	51
18	6		36	33		60	45		84	57
	9		39	33		63	45		87	57
	12		42	33		66	45		90	57
24	6		36	39		60	51		84	63
	9		39	39		63	51		87	63
	12		42	39		66	51		90	63
	18		48	39		72	51		96	63
30	6		36	45		60	57		84	69
	9		39	45		63	57		87	69
	12	42	45	66	57	90	69			
	18	48	45	72	57	96	69			
	24	54	45	78	57	102	69			
36	6	36	51	60	63	84	75			
	9	39	51	63	63	87	75			
	12	42	51	66	63	90	75			
	18	48	51	72	63	96	75			
	24	54	51	78	63	102	75			
	30	60	51	84	63	108	75			

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	24	63	33	36	87	45	
	12		42	21		66	33		90	45	
	18		48	21		72	33		96	45	
	24		54	21		78	33		102	45	
	30		60	21		84	33		108	45	
	36		66	21		90	33		114	45	
9	12		42	24		66	36		90	48	
	18		48	24		72	36		96	48	
	24		54	24		78	36		102	48	
	30		60	24		84	36		108	48	
	36		66	24		90	36		114	48	
	12		18	48		27	72		39	96	51
24			54	27		78	39		102	51	
30			60	27		84	39		108	51	
36			66	27		90	39		114	51	
18			24	54		33	78		45	102	57
			30	60		33	84		45	108	57
	36		66	33		90	45		114	57	
24	30	60	39	84	51	108	63				
	36	66	39	90	51	114	63				
30	36	66	45	90	57	114	69				

ITRAY HORIZONTAL TEE CATALOG NUMBERING EXAMPLE:

LD - 4 A - RT 12 - 12 06

BOTTOM TYPE ← LD - 4 A - RT 12 - 12 06 → **WIDTH 2***
 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"

FITTING CODE
 ST*
 RT
 ET

RADIUS
 12 - 12"
 24 - 24"
 36 - 36"

WIDTH 1
 06 - 6"
 09 - 9"
 12 - 12"
 18 - 18"
 24 - 24"
 30 - 30"
 36 - 36"

MATERIAL
A

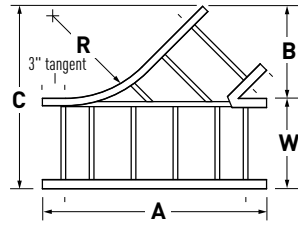
* Width 2 does not apply to Standard Tee (ST).



YL / YR
HORIZONTAL WYE BRANCHES

A

LEFT HAND



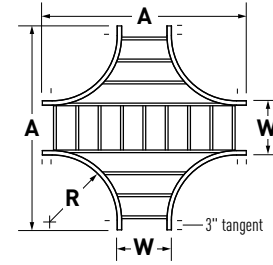
RIGHT HAND



WIDTH W	RADIUS R	A	B	C
6	24	27 ³ / ₈	4 ¹ / ₂	27 ⁷ / ₈
9		31 ⁵ / ₈	7 ¹ / ₂	39 ¹ / ₈
12		35 ⁷ / ₈	10 ¹ / ₂	46 ³ / ₈
18		44 ³ / ₈	16 ¹ / ₂	60 ⁷ / ₈
24		52 ⁷ / ₈	22 ¹ / ₂	75 ³ / ₈
30		61 ³ / ₈	28 ¹ / ₂	89 ⁷ / ₈
36		69 ⁷ / ₈	34 ¹ / ₂	104 ³ / ₈

HX
HORIZONTAL STANDARD CROSS

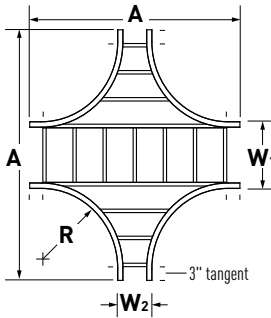
A



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

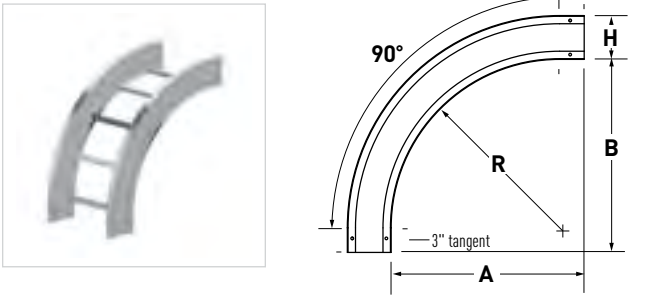


MAIN WIDTH W1	BRANCH WIDTH W2	RADIUS R	A	B	RADIUS R	A	B	RADIUS R	A	B
9	6	12	36	39	24	60	63	36	84	87
	12		6	36		42	60		66	84
9			39	42		63	66		87	90
18	6		36	48		60	72		84	96
	9		39	48		63	72		87	96
24	12		42	48		66	72		90	96
	6		36	54		60	78		84	102
	9		39	54		63	78		87	102
	12		42	54		66	78		90	102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

ITRAY HORIZONTAL REDUCING CROSS CATALOG NUMBERING EXAMPLE:

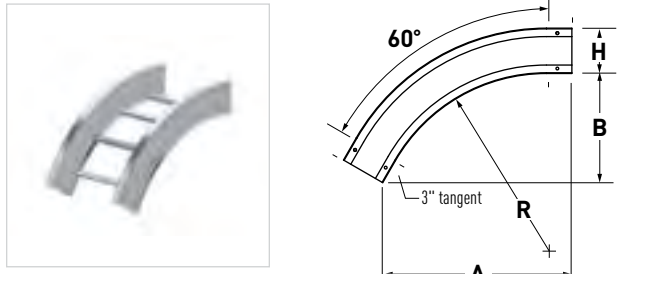
BOTTOM TYPE ← **LD - 4 A - RX 12 - 09 06** → **WIDTH 2**
VENTED
 LD - Ladder Rung
 VC - Vented Corrugated
NON-VENTED
 SC - Solid Corrugated
 SB - Solid Bottom
RAIL HEIGHT
 4 - 4"
 5 - 5"
 6 - 6"
 7 - 7"
MATERIAL
FITTING CODE
 RX
RADIUS
 12 - 12"
 24 - 24"
 36 - 36"
WIDTH 1
 06 - 6"
 09 - 9"
 12 - 12"
 18 - 18"
 24 - 24"
 30 - 30"
 36 - 36"

90VO VERTICAL OUTSIDE 90° ELBOW



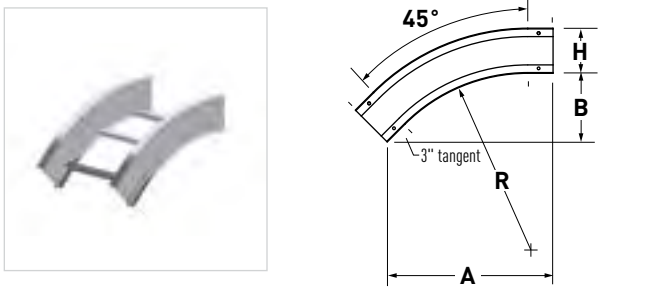
RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	15	15
24			27	27
36			39	39

60VO VERTICAL OUTSIDE 60° ELBOW



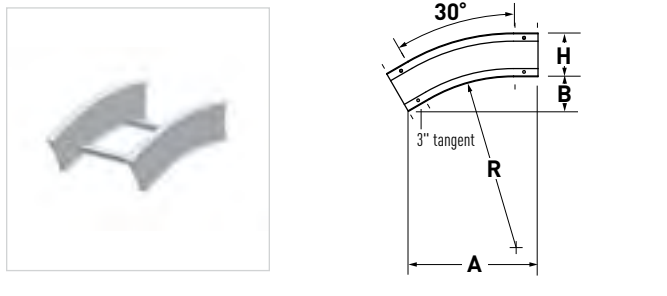
RADIUS R	WIDTH W	RAIL HEIGHT H	A	B
12	6-36	4-7	15	8 ⁵ / ₈
24			25 ¹ / ₄	14 ⁵ / ₈
36			35 ⁵ / ₈	20 ⁵ / ₈

45VO VERTICAL OUTSIDE 45° ELBOW



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



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

ITRAY VERTICAL INSIDE ELBOW CATALOG NUMBERING EXAMPLE:

BOTTOM TYPE ← **LD - 6 A - 90VO12 - 06** → **WIDTH**

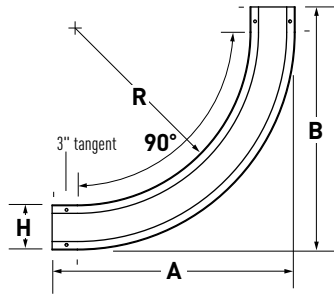
VENTED	RAIL HEIGHT	FITTING CODE	RADIUS	WIDTH
LD - Ladder Rung	4 - 4"	90VO	12 - 12"	06 - 6"
VC - Vented Corrugated	5 - 5"	60VO	24 - 24"	09 - 9"
NON-VENTED	6 - 6"	45VO	36 - 36"	12 - 12"
SC - Solid Corrugated	7 - 7"	30VO		18 - 18"
SB - Solid Bottom				24 - 24"
				30 - 30"
				36 - 36"

MATERIAL A



90VI
VERTICAL INSIDE 90° ELBOW

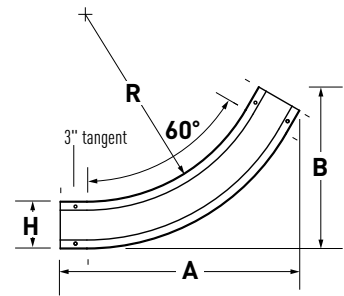
A



		H = 4		H = 5		H = 6		H = 7	
WIDTH W	RADIUS R	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

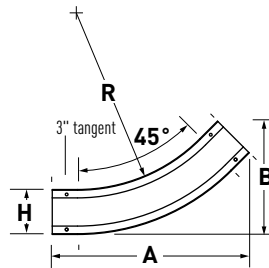
A



		H = 4		H = 5		H = 6		H = 7	
WIDTH W	RADIUS R	A	B	A	B	A	B	A	B
ALL	12	18 ³ / 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 ³ / 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

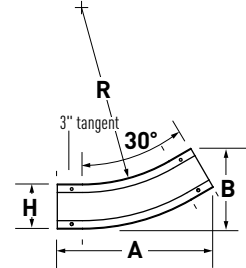
A



		H = 4		H = 5		H = 6		H = 7	
WIDTH W	RADIUS R	A	B	A	B	A	B	A	B
ALL	12	16 ³ / ₈	6 ³ / ₄	17 ¹ / ₈	7 ¹ / ₈	17 ⁷ / 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 ⁷ / 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



		H = 4		H = 5		H = 6		H = 7	
WIDTH W	RADIUS R	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 ⁷ / 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

ITRAY VERTICAL INSIDE ELBOW CATALOG NUMBERING EXAMPLE:

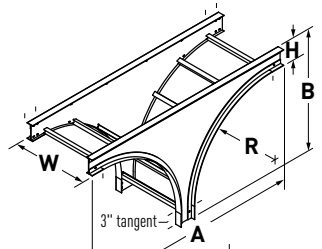
BOTTOM TYPE ← **LD - 4 A - 90VI 12 - 09** → WIDTH
 VENTED
 LD - Ladder Rung
 VC - Vented Corrugated
 NON-VENTED
 SC - Solid Corrugated
 SB - Solid Bottom
 RAIL HEIGHT
 4 - 4"
 5 - 5"
 6 - 6"
 7 - 7"
 MATERIAL
A
 FITTING CODE
 90VI
 60VI
 45VI
 30VI
 RADIUS
 12 - 12"
 24 - 24"
 36 - 36"
 WIDTH
 06 - 6"
 09 - 9"
 12 - 12"
 18 - 18"
 24 - 24"
 30 - 30"
 36 - 36"



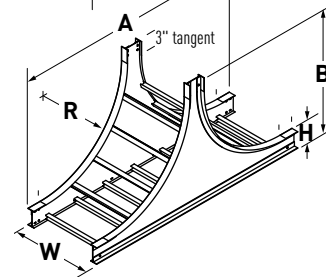
TD / TU VERTICAL TEES

A

TEE DOWN



TEE UP

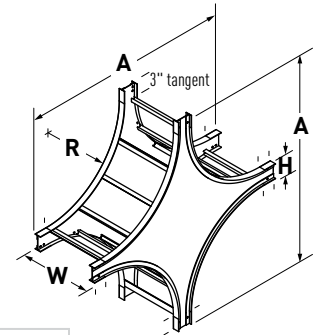


TEE UP fittings have rungs or bottom members for cable support across the bottom of the fitting.

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

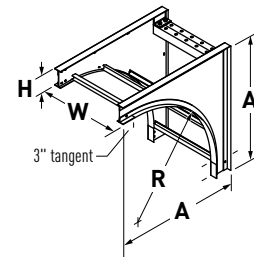
A



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

ITRAY VERTICAL TEE CATALOG NUMBERING EXAMPLE:

LD - 4 A - TU 24 - 09

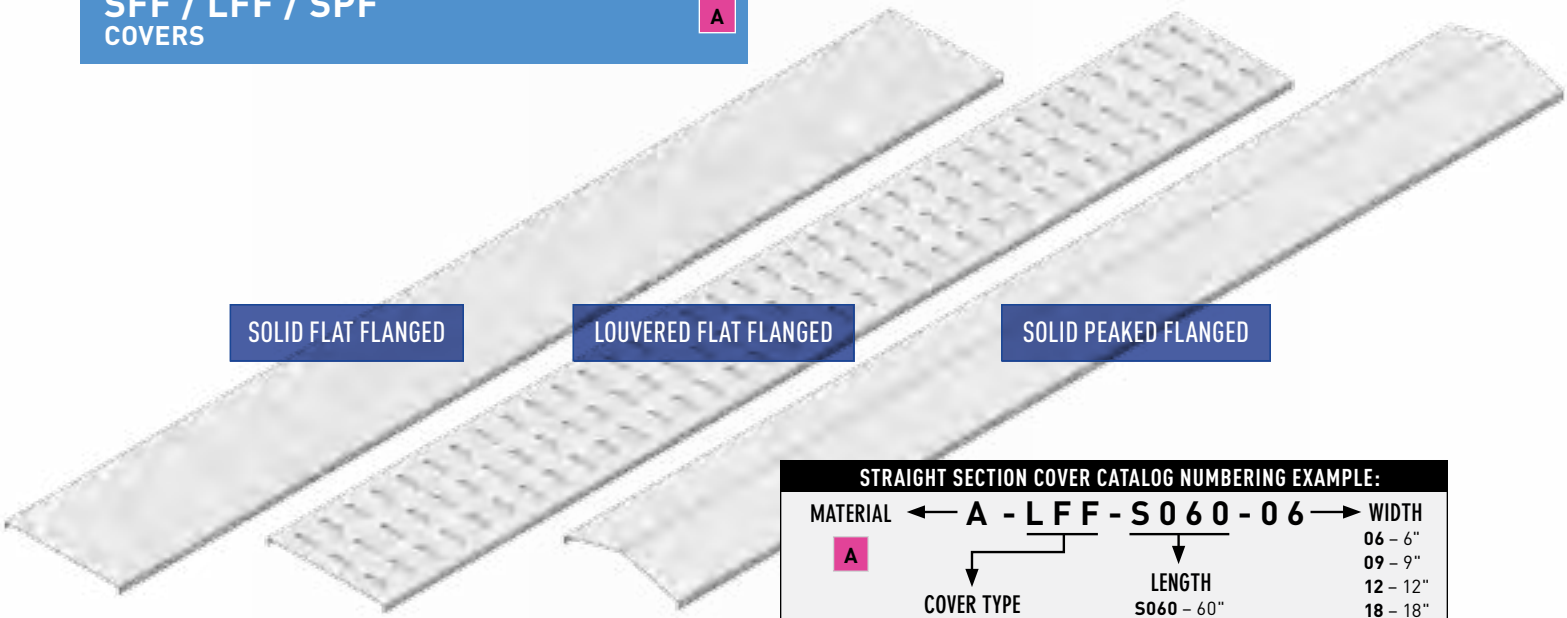
<p>BOTTOM TYPE</p> <p>VENTED</p> <p>LD - Ladder Rung</p> <p>VC - Vented Corrugated</p> <p>NON-VENTED</p> <p>SC - Solid Corrugated</p> <p>SB - Solid Bottom</p>	<p>RAIL HEIGHT</p> <p>4 - 4"</p> <p>5 - 5"</p> <p>6 - 6"</p> <p>7 - 7"</p>	<p>FITTING CODE</p> <p>TU</p> <p>TD</p>	<p>RADIUS</p> <p>12 - 12"</p> <p>24 - 24"</p> <p>36 - 36"</p>	<p>WIDTH</p> <p>06 - 6"</p> <p>09 - 9"</p> <p>12 - 12"</p> <p>18 - 18"</p> <p>24 - 24"</p> <p>30 - 30"</p> <p>36 - 36"</p>
---	---	--	--	---

MATERIAL
A



**SFF / LFF / SPF
COVERS**

A



SOLID FLAT FLANGED

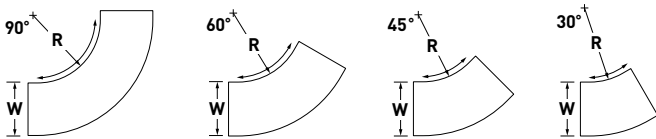
LOUVERED FLAT FLANGED

SOLID PEAKED FLANGED

STRAIGHT SECTION COVER CATALOG NUMBERING EXAMPLE:

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

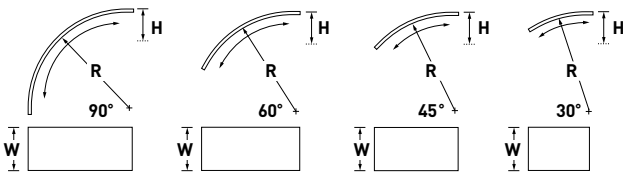
FOR HORIZONTAL ELBOWS (90HB/60HB/45HB/30HB)



HORIZONTAL ELBOW COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	A	A - SFF - 90HB12 - 06	WIDTH
			06 - 6"
			09 - 9"
			12 - 12"
			18 - 18"
			24 - 24"
			30 - 30"
			36 - 36"
		COVER TYPE	
		SFF - Solid Flat Flanged	
		LFF - Louvered Flat Flanged	
		SPF - Solid Peaked Flanged	
		FITTING CODE	
		90HB	
		60HB	
		45HB	
		30HB	
		RADIUS	
		12 - 12"	
		24 - 24"	
		36 - 36"	

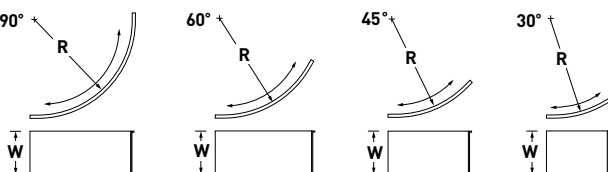
FOR VERTICAL OUTSIDE ELBOWS (90VO/60VO/45VO/30VO)



VERTICAL OUTSIDE ELBOW COVER CATALOG NUMBERING EXAMPLE:

MATERIAL	A	A - SFF - 90VO24 - 12 - 4	WIDTH	RAIL HEIGHT
			06 - 6"	4 - 4"
			09 - 9"	5 - 5"
			12 - 12"	6 - 6"
			18 - 18"	7 - 7"
			24 - 24"	
			30 - 30"	
			36 - 36"	
		COVER TYPE		
		SFF - Solid Flat Flanged		
		LFF - Louvered Flat Flanged		
		SPF - Solid Peaked Flanged		
		FITTING CODE		
		90VO		
		60VO		
		45VO		
		30VO		
		RADIUS		
		12 - 12"		
		24 - 24"		
		36 - 36"		

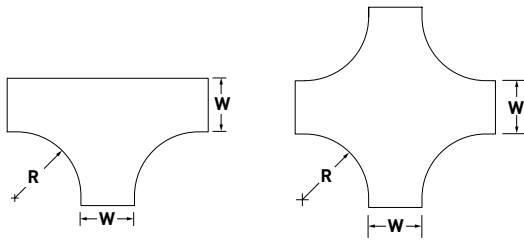
FOR VERTICAL INSIDE ELBOWS (90VI/60VI/45VI/30VI)



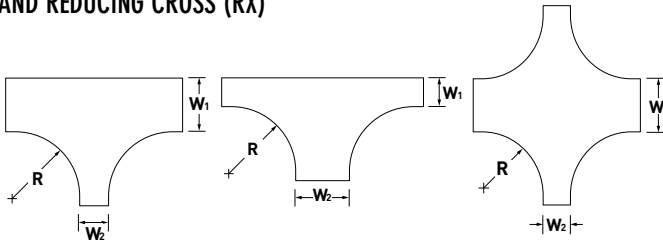
VERTICAL INSIDE ELBOW COVER CATALOG NUMBERING EXAMPLE:

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

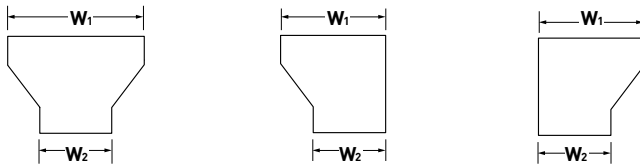
FOR HORIZONTAL TEE (HT) AND CROSS (HX)



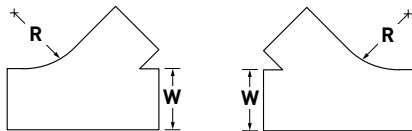
FOR HORIZONTAL REDUCING TEE (RT), EXPANDING TEE (ET) AND REDUCING CROSS (RX)



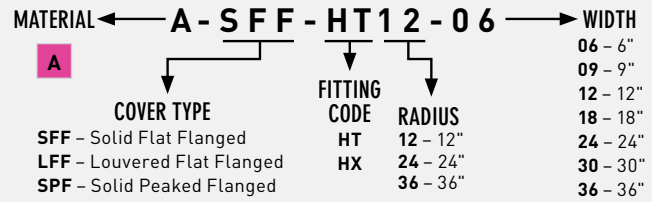
FOR HORIZONTAL STRAIGHT REDUCER (SR), LEFT HAND REDUCER (LR) AND RIGHT HAND REDUCER (RR)



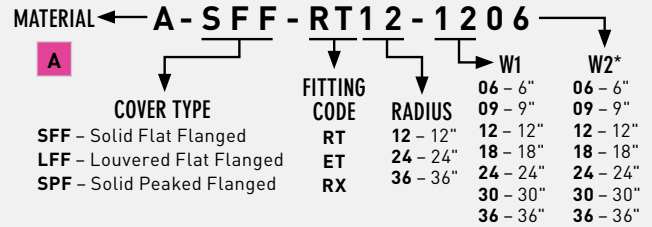
FOR HORIZONTAL LEFT HAND WYE (YL) AND RIGHT HAND WYE (YR)



HORIZONTAL TEE COVER CATALOG NUMBERING EXAMPLE:

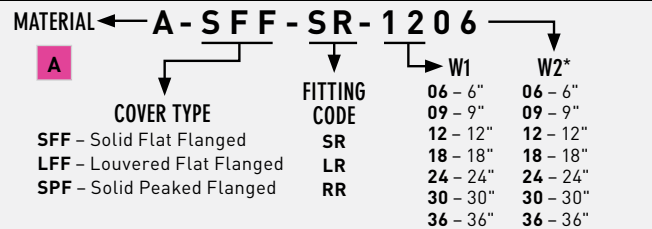


HORIZONTAL REDUCING TEE COVER CATALOG NUMBERING EXAMPLE:



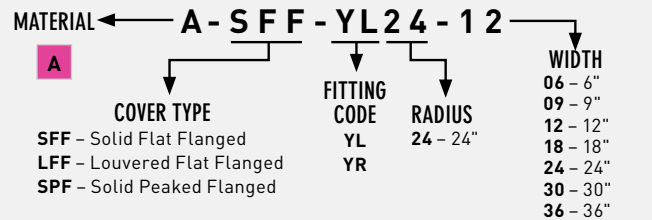
* Available branch widths dependant on main width selection. See tables below.

HORIZONTAL STRAIGHT REDUCER COVER CATALOG NUMBERING EXAMPLE:



* Available reducing widths dependant on main width selection. See reducing table below.

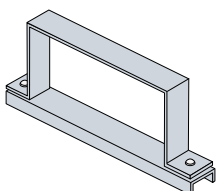
HORIZONTAL LEFT HAND WYE COVER CATALOG NUMBERING EXAMPLE:



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

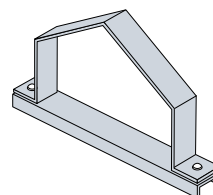
MAIN WIDTHS (W1)	AVAILABLE EXPANDING BRANCH WIDTHS (W2)					
6	9	12	18	24	30	36
9	12	18	24	30	36	-
12	18	24	30	36	-	-
18	24	30	36	-	-	-
24	30	36	-	-	-	-
30	36	-	-	-	-	-

FCC
FLAT COVER CONNECTOR A



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

PCC
PEAKED COVER CONNECTOR A



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



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

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

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

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

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

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

WIDTHS (W) INCHES

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

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7



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

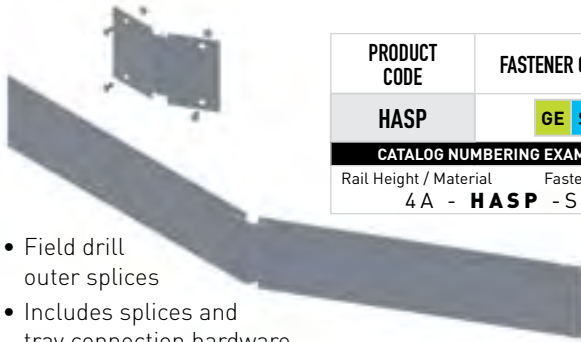
FFSP FLOOR FLANGE SPLICE KIT A



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



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

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

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



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

TRAY WIDTH REDUCTION (RN) INCHES

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

RHSP REDUCING HEIGHT SPLICE KIT

A



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

- Includes splices and tray connection hardware

TBC TRAY-TO-BOX CONNECTOR (FRAME TYPE)

A



PRODUCT CODE	FASTENER OPTIONS
TBC	GE S6
CATALOG NUMBERING EXAMPLE:	
H / Material	RN Fasteners
4 A - TBC	- 0 6 - S 6

- 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	- 0 6 - S 6

- Includes one frame and connection hardware

DO DROP OUT KIT

A



PRODUCT CODE	FASTENER OPTIONS
DO	GE S6
CATALOG NUMBERING EXAMPLE:	
Material	W Fasteners
A - DO	- 0 6 - S 6

- Snaps in place over I-rung

DIV VERTICAL ELBOW DIVIDERS

A



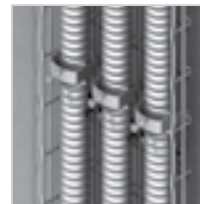
PRODUCT CODE	FASTENER OPTIONS
DIV	S6
CATALOG NUMBERING EXAMPLE:	
H / Material	Elbow R Fasteners
6 A - DIV	- 9 0 V 0 - 2 4 - S 6

RADIUS (R) INCHES
12 | 24 | 36

- Each divider includes four self-drilling screws

CCLMP CABLE CLAMP

Z



PRODUCT CODE	
CCLMP	
CATALOG NUMBERING EX:	
Cable Size	
CCLMP	2 1

CABLE SIZES	
INCHES	MM
0.25-0.84	6-21
0.85-1.35	22-35
1.25-1.75	32-45
1.55-2.05	40-52
2.00-2.50	51-64
2.50-3.00	64-76
3.25-3.75	83-95
3.75-4.25	95-108

- Secures MC cable to Itray in vertical installations. One hand installation. Combination bolt/Phillips head.
- Use maximum mm cable size when specifying clamp.

WIDTHS (W) INCHES

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

RAIL HEIGHTS (H) INCHES

4 | 5 | 6 | 7

REDUCTION (RN) INCHES

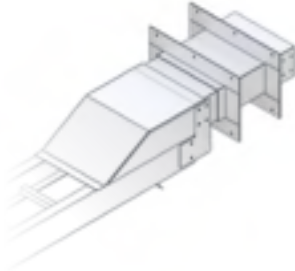
3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27



OCK OUTDOOR CONVERSION KIT

A

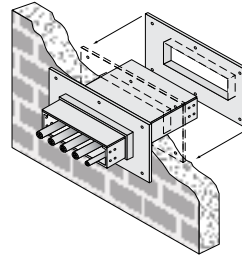
Makes ladder tray wall penetrations weather resistant to minimize water intrusions. Removable cover/shield fastens to tray and wall penetration sleeve for the utmost in weather protection.



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

WPS WALL PENETRATION SLEEVE

M G

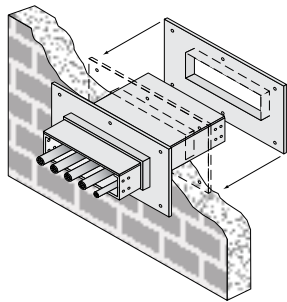


Provides a rigid support for cable tray at wall penetrations. Overall length of the sleeve is 20". Will fit walls up to 8" thick. Bonding jumpers are not required for use with wall sleeves. Two pairs of splice plates and fasteners are included for tray attachment.

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

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 - S6	

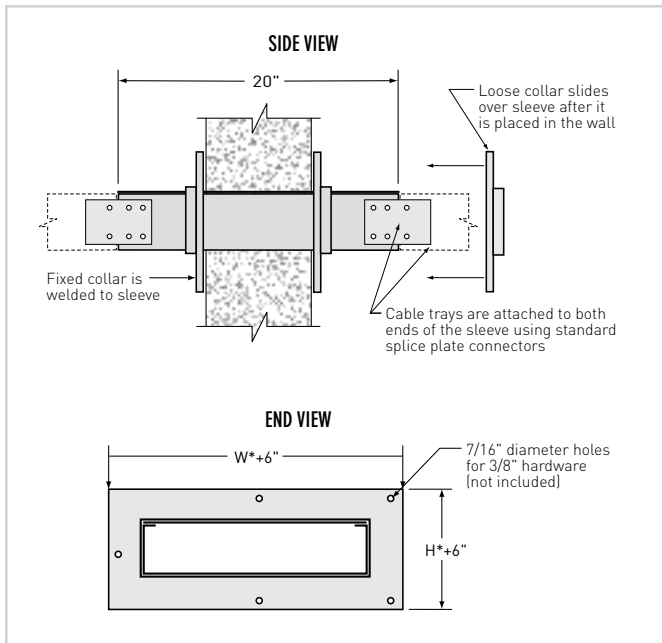
Fabricated cable tray fire stop sleeves from Legrand, combined with Hilti Firestop products, are an economical alternative to the high cost of fabricating protective fire wall and floor penetration sleeves in the field.

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



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

SLEEVE WIDTH	NUMBER OF HILTI FIRE BLOCKS INCLUDED WITH EACH SLEEVE			
	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

