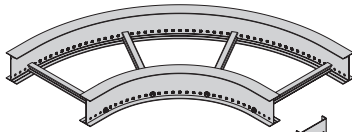
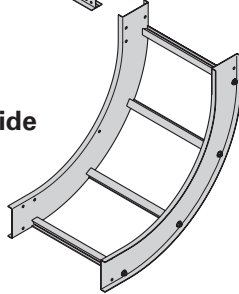


Fittings For RSI04A, RSI05A, RSI06A and RSI07A

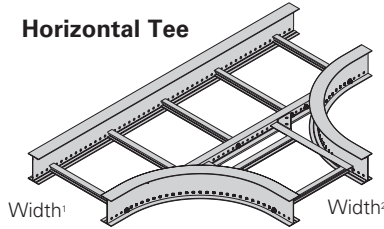
Horizontal Bend



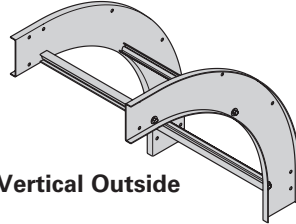
Vertical Inside



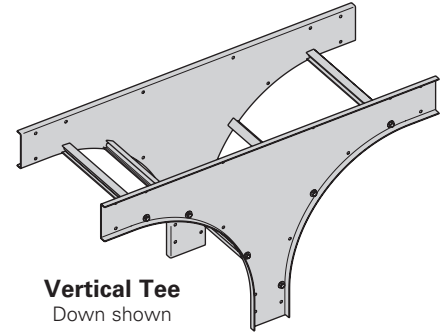
Horizontal Tee



Vertical Outside



- Furnished with splice plates.


Vertical Tee
Down shown

Fittings Part Numbering

Example: **RSI 04 A09 HB - 09 - 30 R12**

Series	Height	Material	Fitting Type	Width	Angle	Radius
● RSI	● 04 = 4"	Aluminum	● HB = Horizontal Bend	● 06 = 6"	● 30 = 30°	● R12 = 12"
	● 05 = 5"	9" Rung	● *HT = Horizontal Tee	● 09 = 9"	● 45 = 45°	● R24 = 24"
	● 06 = 6"	Spacing	● *HX = Horizontal Cross	● 12 = 12"	● 60 = 60°	
	● 07 = 7"		● VI = Vertical Inside Bend	● 18 = 18"	● 90 = 90°	
			● VO = Vertical Outside Bend	● 24 = 24"		
			● *VTD = Vertical Tee Down	● 30 = 30"		
			● *VTU = Vertical Tee Up	● 36 = 36"		

*Angle not required in part number

Horizontal Reducing / Expanding Tee or Cross Fittings Part Numbering

Example: **RSI 04 A09 ET - 09 - 12 - R12**

Series	Height	Material	Fitting Type	Width¹	Width²	Radius
● RSI	● 04 = 4"	Aluminum	● ET = Expanding Tee	06 = 6"	06 = 6"	● R12 = 12"
	● 05 = 5"	9" Rung	● RT = Reducing Tee	09 = 9"	09 = 9"	● R24 = 24"
	● 06 = 6"	Spacing	● RX = Expanding /Reducing Cross	12 = 12"	12 = 12"	
	● 07 = 7"			18 = 18"	18 = 18"	
				24 = 24"	24 = 24"	
				30 = 30"	30 = 30"	
				36 = 36"	36 = 36"	

For aluminum 4", 5", 6", 7" vented or non-vented bottom add VB or SB as shown below.

Prefix
RSI05AVBHB - 24 - 90R24
Vented Bottom

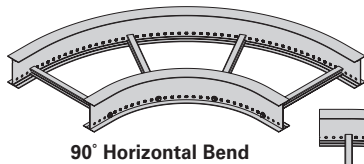
Prefix
RSI05ASBHB - 24 - 90R24
Non-Vented Bottom

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

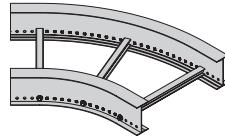
All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Bends 90° 60° 45° 30° (HB)

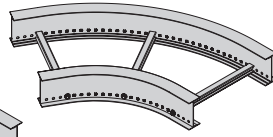
1 pair splice plates with hardware included.



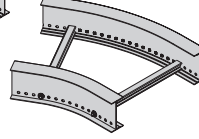
90° Horizontal Bend



45° Horizontal Bend

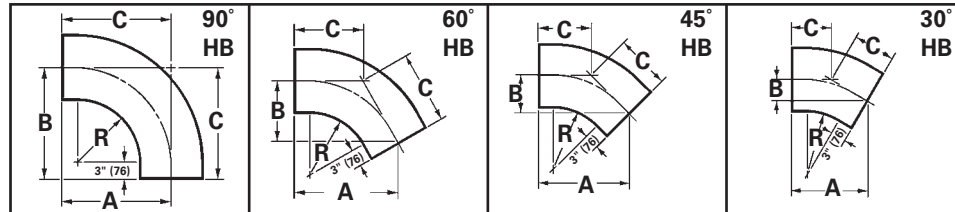


60° Horizontal Bend



30° Horizontal Bend

Bottoms manufactured:
09 = 9" Rung Spacing
VB = 4" Rung Spacing
SB = Flat sheet over 12" Rung Spacing



Bend Radius R in. (mm)	Tray Width in. (mm)	90° Horizontal Bend Dimensions				60° Horizontal Bend Dimensions			
		Catalog No.	A in. (mm)	B in. (mm)	C in. (mm)	Catalog No.	A in. (mm)	B in. (mm)	C in. (mm)
12 (305)	6 (152)	(Pre)HB-06-90R12	18 ¹ / ₁₆ (459)	18 ¹ / ₁₆ (459)	18 ¹ / ₁₆ (459)	(Pre)HB-06-60R12	17 ⁹ / ₁₆ (445)	10 ¹ / ₈ (258)	11 ¹¹ / ₁₆ (297)
	9 (228)	(Pre)HB-09-90R12	19 ⁹ / ₁₆ (497)	19 ⁹ / ₁₆ (497)	19 ⁹ / ₁₆ (497)	(Pre)HB-09-60R12	18 ¹³ / ₁₆ (478)	10 ⁷ / ₈ (277)	12 ⁹ / ₁₆ (319)
	12 (305)	(Pre)HB-12-90R12	21 ¹ / ₁₆ (535)	21 ¹ / ₁₆ (535)	21 ¹ / ₁₆ (535)	(Pre)HB-12-60R12	20 ¹ / ₈ (511)	11 ⁵ / ₈ (296)	13 ⁷ / ₁₆ (341)
	18 (457)	(Pre)HB-18-90R12	24 ¹ / ₁₆ (611)	24 ¹ / ₁₆ (611)	24 ¹ / ₁₆ (611)	(Pre)HB-18-60R12	22 ³ / ₄ (577)	13 ¹ / ₈ (334)	15 ³ / ₁₆ (385)
	24 (609)	(Pre)HB-24-90R12	27 ¹ / ₁₆ (687)	27 ¹ / ₁₆ (687)	27 ¹ / ₁₆ (687)	(Pre)HB-24-60R12	25 ⁵ / ₁₆ (643)	14 ⁵ / ₈ (372)	16 ⁷ / ₈ (429)
	30 (762)	(Pre)HB-30-90R12	30 ¹ / ₁₆ (763)	30 ¹ / ₁₆ (763)	30 ¹ / ₁₆ (763)	(Pre)HB-30-60R12	27 ¹⁵ / ₁₆ (709)	16 ¹ / ₈ (410)	18 ⁵ / ₈ (473)
	36 (914)	(Pre)HB-36-90R12	33 ¹ / ₁₆ (840)	33 ¹ / ₁₆ (840)	33 ¹ / ₁₆ (840)	(Pre)HB-36-60R12	30 ¹ / ₂ (775)	17 ⁵ / ₈ (448)	20 ³ / ₈ (517)
24 (609)	6 (152)	(Pre)HB-06-90R24	30 ¹ / ₁₆ (763)	30 ¹ / ₁₆ (763)	30 ¹ / ₁₆ (763)	(Pre)HB-06-60R24	27 ¹⁵ / ₁₆ (709)	16 ¹ / ₈ (410)	18 ⁵ / ₈ (473)
	9 (228)	(Pre)HB-09-90R24	31 ⁹ / ₁₆ (802)	31 ⁹ / ₁₆ (802)	31 ⁹ / ₁₆ (802)	(Pre)HB-09-60R24	29 ³ / ₄ (742)	16 ⁷ / ₈ (429)	19 ¹ / ₂ (495)
	12 (305)	(Pre)HB-12-90R24	33 ¹ / ₁₆ (840)	33 ¹ / ₁₆ (840)	33 ¹ / ₁₆ (840)	(Pre)HB-12-60R24	30 ¹ / ₂ (775)	17 ⁵ / ₈ (448)	20 ³ / ₈ (517)
	18 (457)	(Pre)HB-18-90R24	36 ¹ / ₁₆ (916)	36 ¹ / ₁₆ (916)	36 ¹ / ₁₆ (916)	(Pre)HB-18-60R24	33 ³ / ₈ (841)	19 ¹ / ₈ (486)	22 ¹ / ₈ (561)
	24 (609)	(Pre)HB-24-90R24	39 ¹ / ₁₆ (992)	39 ¹ / ₁₆ (992)	39 ¹ / ₁₆ (992)	(Pre)HB-24-60R24	35 ³ / ₄ (907)	20 ⁵ / ₈ (524)	23 ¹³ / ₁₆ (605)
	30 (762)	(Pre)HB-30-90R24	42 ¹ / ₁₆ (1068)	42 ¹ / ₁₆ (1068)	42 ¹ / ₁₆ (1068)	(Pre)HB-30-60R24	38 ⁵ / ₁₆ (973)	22 ¹ / ₈ (562)	25 ⁹ / ₁₆ (649)
	36 (914)	(Pre)HB-36-90R24	45 ¹ / ₁₆ (1144)	45 ¹ / ₁₆ (1144)	45 ¹ / ₁₆ (1144)	(Pre)HB-36-60R24	40 ¹⁵ / ₁₆ (1039)	23 ⁵ / ₈ (600)	27 ⁵ / ₁₆ (693)
45° Horizontal Bend						30° Horizontal Bend			
12 (305)	6 (152)	(Pre)HB-06-45R12	15 ³ / ₄ (400)	6 ¹ / ₂ (165)	9 ⁹ / ₁₆ (233)	(Pre)HB-06-30R12	13 ³ / ₁₆ (338)	3 ⁹ / ₁₆ (90)	7 ¹ / ₁₆ (180)
	9 (228)	(Pre)HB-09-45R12	16 ¹³ / ₁₆ (427)	6 ¹⁵ / ₁₆ (176)	9 ¹³ / ₁₆ (249)	(Pre)HB-09-30R12	13 ¹⁵ / ₁₆ (354)	3 ³ / ₄ (95)	7 ¹ / ₂ (190)
	12 (305)	(Pre)HB-12-45R12	17 ⁷ / ₈ (454)	7 ⁷ / ₁₆ (189)	10 ¹ / ₂ (267)	(Pre)HB-12-30R12	14 ¹¹ / ₁₆ (373)	3 ¹⁵ / ₁₆ (100)	7 ⁷ / ₈ (200)
	18 (457)	(Pre)HB-18-45R12	20 ¹ / ₂ (521)	8 ⁵ / ₁₆ (211)	11 ⁴ / ₄ (298)	(Pre)HB-18-30R12	16 ³ / ₁₆ (411)	4 ⁵ / ₁₆ (110)	8 ¹¹ / ₁₆ (220)
	24 (609)	(Pre)HB-24-45R12	22 ¹ / ₁₆ (560)	9 ³ / ₁₆ (233)	12 ¹⁵ / ₁₆ (328)	(Pre)HB-24-30R12	17 ¹¹ / ₁₆ (449)	4 ³ / ₄ (120)	9 ¹ / ₂ (241)
	30 (762)	(Pre)HB-30-45R12	24 ⁵ / ₁₆ (617)	10 ¹ / ₁₆ (255)	14 ¹ / ₄ (362)	(Pre)HB-30-30R12	19 ³ / ₁₆ (487)	5 ¹ / ₈ (131)	10 ⁵ / ₁₆ (261)
	36 (914)	(Pre)HB-36-45R12	26 ⁷ / ₁₆ (671)	10 ¹⁵ / ₁₆ (278)	15 ⁷ / ₁₆ (392)	(Pre)HB-36-30R12	20 ¹¹ / ₁₆ (525)	5 ⁹ / ₁₆ (141)	11 ¹ / ₁₆ (282)
24 (609)	6 (152)	(Pre)HB-06-45R24	24 ⁵ / ₁₆ (617)	10 ¹ / ₁₆ (255)	14 ³ / ₁₆ (360)	(Pre)HB-06-30R24	19 ³ / ₁₆ (487)	5 ¹ / ₈ (131)	10 ⁵ / ₁₆ (261)
	9 (228)	(Pre)HB-09-45R24	25 ¹ / ₄ (641)	10 ¹ / ₂ (267)	14 ¹³ / ₁₆ (376)	(Pre)HB-09-30R24	19 ¹⁵ / ₁₆ (506)	5 ⁵ / ₁₆ (136)	10 ¹¹ / ₁₆ (271)
	12 (305)	(Pre)HB-12-45R24	26 ⁷ / ₁₆ (671)	10 ¹⁵ / ₁₆ (278)	15 ⁷ / ₁₆ (392)	(Pre)HB-12-30R24	20 ¹¹ / ₁₆ (525)	5 ⁹ / ₁₆ (141)	11 ¹ / ₁₆ (282)
	18 (457)	(Pre)HB-18-45R24	28 ⁹ / ₁₆ (725)	11 ¹³ / ₁₆ (300)	16 ¹¹ / ₁₆ (424)	(Pre)HB-18-30R24	22 ³ / ₁₆ (563)	5 ¹⁵ / ₁₆ (161)	11 ⁷ / ₈ (302)
	24 (609)	(Pre)HB-24-45R24	30 ¹¹ / ₁₆ (779)	12 ¹¹ / ₁₆ (322)	17 ¹⁵ / ₁₆ (456)	(Pre)HB-24-30R24	23 ¹¹ / ₁₆ (601)	6 ³ / ₈ (161)	12 ¹¹ / ₁₆ (322)
	30 (762)	(Pre)HB-30-45R24	32 ¹³ / ₁₆ (833)	13 ⁹ / ₁₆ (345)	19 ³ / ₁₆ (487)	(Pre)HB-30-30R24	25 ³ / ₁₆ (640)	6 ³ / ₄ (171)	13 ¹ / ₂ (343)
	36 (914)	(Pre)HB-36-45R24	34 ¹⁵ / ₁₆ (887)	14 ⁷ / ₁₆ (367)	20 ⁷ / ₁₆ (519)	(Pre)HB-36-30R24	26 ¹¹ / ₁₆ (678)	7 ¹ / ₈ (182)	14 ⁵ / ₁₆ (363)

(Pre) = Prefix. See page F-21 for catalog number prefix.

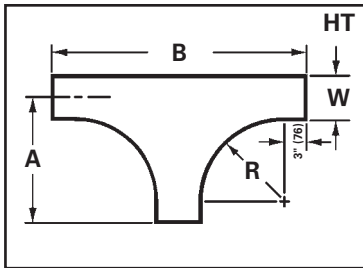
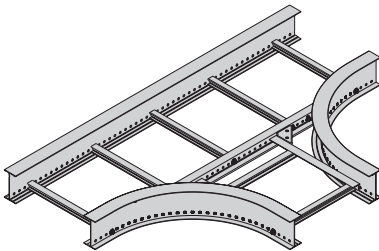
Width dimensions are to inside wall. Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Tee (HT)

2 pair splice plates with hardware included.

Redi-Rail

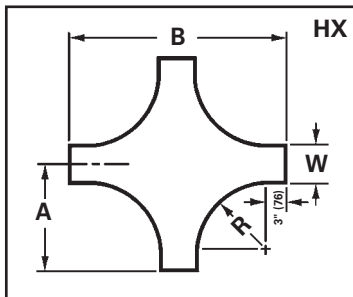
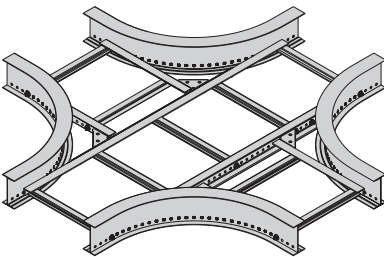


Bend Radius R in. (mm)	Tray Width W in. (mm)	Horizontal Tee Dimensions		
		Catalog No.	A in. (mm)	B in. (mm)
12 (305)	6 (152)	(Prefix)HT-06-R12	18 ¹ / ₁₆ (458)	36 ³ / ₄ (933)
	9 (228)	(Prefix)HT-09-R12	19 ⁹ / ₁₆ (497)	39 ⁷ / ₈ (1013)
	12 (305)	(Prefix)HT-12-R12	21 ¹ / ₁₆ (535)	42 ¹ / ₄ (1073)
	18 (457)	(Prefix)HT-18-R12	24 ¹ / ₁₆ (611)	48 ¹ / ₂ (1232)
	24 (609)	(Prefix)HT-24-R12	27 ¹ / ₁₆ (687)	54 ¹³ / ₁₆ (1392)
	30 (762)	(Prefix)HT-30-R12	30 ¹ / ₁₆ (763)	60 ¹ / ₄ (1530)
	36 (914)	(Prefix)HT-36-R12	33 ¹ / ₁₆ (839)	66 ⁹ / ₁₆ (1691)
24 (609)	6 (152)	(Prefix)HT-06-R24	30 ¹ / ₁₆ (763)	60 ¹ / ₁₆ (1525)
	9 (228)	(Prefix)HT-09-R24	31 ⁹ / ₁₆ (801)	63 ¹ / ₄ (1606)
	12 (305)	(Prefix)HT-12-R24	33 ¹ / ₁₆ (839)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)HT-18-R24	36 ¹ / ₁₆ (916)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)HT-24-R24	39 ¹ / ₁₆ (992)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)HT-30-R24	42 ¹ / ₁₆ (1068)	84 ⁵ / ₈ (2150)
	36 (914)	(Prefix)HT-36-R24	45 ¹ / ₁₆ (1144)	90 ¹⁵ / ₁₆ (2310)

(Prefix) See page F-21 for catalog number prefix.

Horizontal Cross (HX)

3 pair splice plates with hardware included.



Bend Radius R in. (mm)	Tray Width W in. (mm)	Horizontal Tee Dimensions		
		Catalog No.	A in. (mm)	B in. (mm)
12 (305)	6 (152)	(Prefix)HX-06-R12	18 ¹ / ₁₆ (458)	36 ³ / ₄ (933)
	9 (228)	(Prefix)HX-09-R12	19 ⁹ / ₁₆ (497)	39 ⁷ / ₈ (1013)
	12 (305)	(Prefix)HX-12-R12	21 ¹ / ₁₆ (535)	42 ¹ / ₄ (1073)
	18 (457)	(Prefix)HX-18-R12	24 ¹ / ₁₆ (611)	48 ¹ / ₂ (1232)
	24 (609)	(Prefix)HX-24-R12	27 ¹ / ₁₆ (687)	54 ¹³ / ₁₆ (1392)
	30 (762)	(Prefix)HX-30-R12	30 ¹ / ₁₆ (763)	60 ¹ / ₄ (1530)
	36 (914)	(Prefix)HX-36-R12	33 ¹ / ₁₆ (839)	66 ⁹ / ₁₆ (1691)
24 (609)	6 (152)	(Prefix)HX-06-R24	30 ¹ / ₁₆ (763)	60 ¹ / ₁₆ (1525)
	9 (228)	(Prefix)HX-09-R24	31 ⁹ / ₁₆ (801)	63 ¹ / ₄ (1606)
	12 (305)	(Prefix)HX-12-R24	33 ¹ / ₁₆ (839)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)HX-18-R24	36 ¹ / ₁₆ (916)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)HX-24-R24	39 ¹ / ₁₆ (992)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)HX-30-R24	42 ¹ / ₁₆ (1068)	84 ⁵ / ₈ (2150)
	36 (914)	(Prefix)HX-36-R24	45 ¹ / ₁₆ (1144)	90 ¹⁵ / ₁₆ (2310)

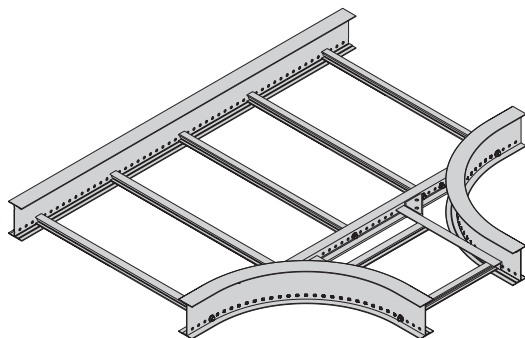
(Prefix) See page F-21 for catalog number prefix.

Width dimensions are to inside wall. Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Reducing Tee (RT)

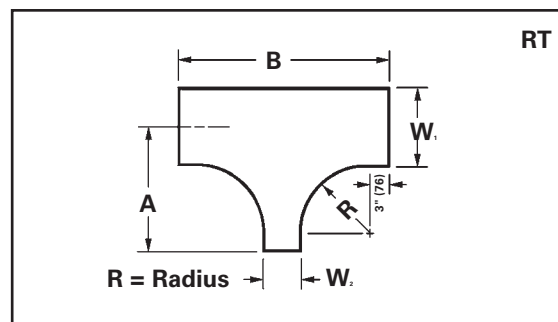
2 pair splice plates with hardware included.



Prefix RT - 36 - 18 - R24

Radius
Width W₂
Width W₁
Fitting

To complete catalog number, insert fitting prefix.



Tray Width		* Insert Radius (12 for 12", 24 for 24") Catalog No.	12" Radius		24" Radius	
W1 in. (mm)	W2 in. (mm)		A in. (mm)	B in. (mm)	A in. (mm)	B in. (mm)
9 (228)	6 (152)	(Prefix)RT-09-06-R*	19 ⁹ / ₁₆ (497)	36 ³ / ₄ (933)	31 ⁹ / ₁₆ (801)	61 ¹ / ₁₆ (1551)
12 (305)	6 (152)	(Prefix)RT-12-06-R*	21 ¹ / ₁₆ (535)	36 ³ / ₄ (933)	33 ¹ / ₁₆ (839)	61 ¹ / ₁₆ (1551)
	9 (228)	(Prefix)RT-12-09-R*	21 ¹ / ₁₆ (535)	39 ⁷ / ₈ (1013)	33 ¹ / ₁₆ (839)	64 ¹ / ₄ (1830)
18 (457)	6 (152)	(Prefix)RT-18-06-R*	24 ¹ / ₁₆ (611)	36 ³ / ₄ (933)	36 ¹ / ₁₆ (916)	61 ¹ / ₁₆ (1551)
	9 (228)	(Prefix)RT-18-09-R*	24 ¹ / ₁₆ (611)	39 ⁷ / ₈ (1013)	36 ¹ / ₁₆ (916)	64 ¹ / ₄ (1830)
	12 (305)	(Prefix)RT-18-12-R*	24 ¹ / ₁₆ (611)	42 ¹ / ₄ (1073)	36 ¹ / ₁₆ (916)	66 ⁹ / ₁₆ (1691)
24 (609)	6 (152)	(Prefix)RT-24-06-R*	27 ¹ / ₁₆ (687)	36 ³ / ₄ (933)	39 ¹ / ₁₆ (992)	61 ¹ / ₁₆ (1551)
	9 (228)	(Prefix)RT-24-09-R*	27 ¹ / ₁₆ (687)	39 ⁷ / ₈ (1013)	39 ¹ / ₁₆ (992)	64 ¹ / ₄ (1830)
	12 (305)	(Prefix)RT-24-12-R*	27 ¹ / ₁₆ (687)	42 ¹ / ₄ (1073)	39 ¹ / ₁₆ (992)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)RT-24-18-R*	27 ¹ / ₁₆ (687)	48 ¹ / ₂ (1232)	39 ¹ / ₁₆ (992)	72 ¹ / ₁₆ (1830)
30 (762))	6 (152)	(Prefix)RT-30-06-R*	30 ¹ / ₁₆ (763)	36 ³ / ₄ (933)	42 ¹ / ₁₆ (1068)	61 ¹ / ₁₆ (1551)
	9 (228)	(Prefix)RT-30-09-R*	30 ¹ / ₁₆ (763)	39 ⁷ / ₈ (1013)	42 ¹ / ₁₆ (1068)	64 ¹ / ₄ (1830)
	12 (305)	(Prefix)RT-30-12-R*	30 ¹ / ₁₆ (763)	42 ¹ / ₄ (1073)	42 ¹ / ₁₆ (1068)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)RT-30-18-R*	30 ¹ / ₁₆ (763)	48 ¹ / ₂ (1232)	42 ¹ / ₁₆ (1068)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)RT-30-24-R*	30 ¹ / ₁₆ (763)	54 ¹³ / ₁₆ (1392)	42 ¹ / ₁₆ (1068)	78 ³ / ₈ (1991)
36 (914)	6 (152)	(Prefix)RT-36-06-R*	33 ¹ / ₁₆ (839)	36 ³ / ₄ (933)	45 ¹ / ₁₆ (1144)	61 ¹ / ₁₆ (1551)
	9 (228)	(Prefix)RT-36-09-R*	33 ¹ / ₁₆ (839)	39 ⁷ / ₈ (1013)	45 ¹ / ₁₆ (1144)	64 ¹ / ₄ (1830)
	12 (305)	(Prefix)RT-36-12-R*	33 ¹ / ₁₆ (839)	42 ¹ / ₄ (1073)	45 ¹ / ₁₆ (1144)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)RT-36-18-R*	33 ¹ / ₁₆ (839)	48 ¹ / ₂ (1232)	45 ¹ / ₁₆ (1144)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)RT-36-24-R*	33 ¹ / ₁₆ (839)	54 ¹³ / ₁₆ (1392)	45 ¹ / ₁₆ (1144)	78 ³ / ₈ (1991)
	36 (914)	(Prefix)RT-36-30-R*	33 ¹ / ₁₆ (839)	60 ¹ / ₄ (1530)	45 ¹ / ₁₆ (1144)	84 ⁵ / ₈ (2149)

(Prefix) See page F-21 for catalog number prefix.

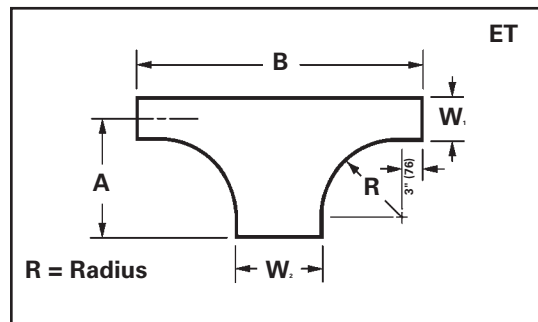
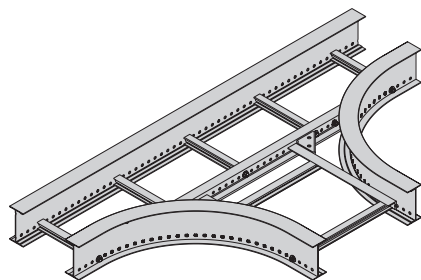
Width dimensions are to inside wall.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Expanding Tee (ET)

2 pair splice plates with hardware included.



Prefix ET - 09 - 30 - R12

Radius
Width W_2
Width W_1
Fitting

To complete catalog number, insert fitting prefix.

Tray Width		* Insert Radius (12 for 12", 24 for 24") Catalog No.	12" Radius		24" Radius	
W1 in. (mm)	W2 in. (mm)		A in. (mm)	B in. (mm)	A in. (mm)	B in. (mm)
6 (152)	9 (228)	(Prefix)ET-06-09-R*	18 ¹ / ₁₆ (458)	39 ⁷ / ₈ (1013)	30 ¹ / ₁₆ (763)	64 ¹ / ₄ (1632)
	12 (305)	(Prefix)ET-06-12-R*	18 ¹ / ₁₆ (458)	42 ¹ / ₄ (1073)	30 ¹ / ₁₆ (763)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)ET-06-18-R*	18 ¹ / ₁₆ (458)	48 ¹ / ₂ (1232)	30 ¹ / ₁₆ (763)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)ET-06-24-R*	18 ¹ / ₁₆ (458)	54 ¹³ / ₁₆ (1392)	30 ¹ / ₁₆ (763)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)ET-06-30-R*	18 ¹ / ₁₆ (458)	60 ¹ / ₄ (1530)	30 ¹ / ₁₆ (763)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)ET-06-36-R*	18 ¹ / ₁₆ (458)	66 ⁹ / ₁₆ (1691)	30 ¹ / ₁₆ (763)	90 ¹⁵ / ₁₆ (2310)
9 (228)	12 (305)	(Prefix)ET-09-12-R*	19 ⁹ / ₁₆ (497)	42 ¹ / ₄ (1073)	31 ⁹ / ₁₆ (801)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)ET-09-18-R*	19 ⁹ / ₁₆ (497)	48 ¹ / ₂ (1232)	31 ⁹ / ₁₆ (801)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)ET-09-24-R*	19 ⁹ / ₁₆ (497)	54 ¹³ / ₁₆ (1392)	31 ⁹ / ₁₆ (801)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)ET-09-30-R*	19 ⁹ / ₁₆ (497)	60 ¹ / ₄ (1530)	31 ⁹ / ₁₆ (801)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)ET-09-36-R*	19 ⁹ / ₁₆ (497)	66 ⁹ / ₁₆ (1691)	31 ⁹ / ₁₆ (801)	90 ¹⁵ / ₁₆ (2310)
12 (305)	18 (457)	(Prefix)ET-12-18-R*	21 ¹ / ₁₆ (535)	48 ¹ / ₂ (1232)	33 ¹ / ₁₆ (839)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)ET-12-24-R*	21 ¹ / ₁₆ (535)	54 ¹³ / ₁₆ (1392)	33 ¹ / ₁₆ (839)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)ET-12-30-R*	21 ¹ / ₁₆ (535)	60 ¹ / ₄ (1530)	33 ¹ / ₁₆ (839)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)ET-12-36-R*	21 ¹ / ₁₆ (535)	66 ⁹ / ₁₆ (1691)	33 ¹ / ₁₆ (839)	90 ¹⁵ / ₁₆ (2310)
18 (457)	24 (609)	(Prefix)ET-18-24-R*	24 ¹ / ₁₆ (611)	54 ¹³ / ₁₆ (1392)	36 ¹ / ₁₆ (916)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)ET-18-30-R*	24 ¹ / ₁₆ (611)	60 ¹ / ₄ (1530)	36 ¹ / ₁₆ (916)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)ET-18-36-R*	24 ¹ / ₁₆ (611)	66 ⁹ / ₁₆ (1691)	36 ¹ / ₁₆ (916)	90 ¹⁵ / ₁₆ (2310)
24 (609)	30 (762)	(Prefix)ET-24-30-R*	27 ¹ / ₁₆ (687)	60 ¹ / ₄ (1530)	39 ¹ / ₁₆ (992)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)ET-24-36-R*	27 ¹ / ₁₆ (687)	66 ⁹ / ₁₆ (1691)	39 ¹ / ₁₆ (992)	90 ¹⁵ / ₁₆ (2310)
30 (762)	36 (914)	(Prefix)ET-30-36-R*	30 ¹ / ₁₆ (763)	66 ⁹ / ₁₆ (1691)	42 ¹ / ₁₆ (1068)	90 ¹⁵ / ₁₆ (2310)

(Prefix) See page F-21 for catalog number prefix.

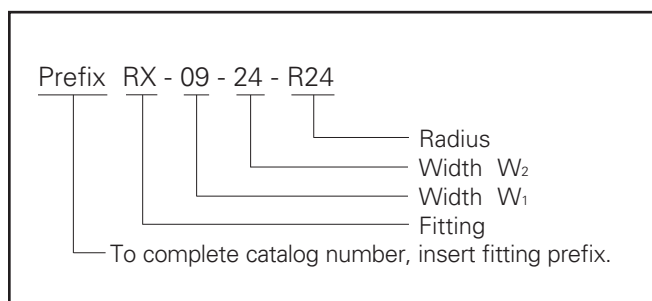
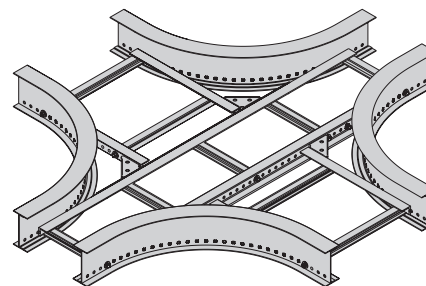
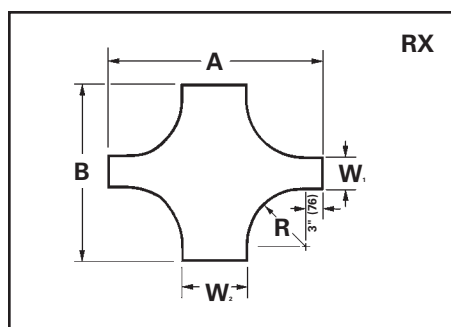
Width dimensions are to inside wall.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Horizontal Expanding/Reducing Cross (RX)

3 pair splice plates with hardware included.



Tray Width		* Insert Radius (12 for 12", 24 for 24") Catalog No.	12" Radius		24" Radius	
in. W_1 (mm)	in. W_2 (mm)		in. A (mm)	in. B (mm)	in. A (mm)	in. B (mm)
6 (152)	9 (228)	(Prefix)RX-06-09-R*	36 ³ / ₄ (933)	39 ⁷ / ₈ (1013)	60 ¹ / ₁₆ (1525)	64 ¹ / ₄ (1632)
	12 (305)	(Prefix)RX-06-12-R*	36 ³ / ₄ (933)	42 ¹ / ₄ (1073)	60 ¹ / ₁₆ (1525)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)RX-06-18-R*	36 ³ / ₄ (933)	48 ¹ / ₂ (1232)	60 ¹ / ₁₆ (1525)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)RX-06-24-R*	36 ³ / ₄ (933)	54 ¹³ / ₁₆ (1392)	60 ¹ / ₁₆ (1525)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)RX-06-30-R*	36 ³ / ₄ (933)	60 ¹ / ₄ (1530)	60 ¹ / ₁₆ (1525)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)RX-06-36-R*	36 ³ / ₄ (933)	66 ⁹ / ₁₆ (1691)	60 ¹ / ₁₆ (1525)	90 ¹⁵ / ₁₆ (2310)
9 (228)	12 (305)	(Prefix)RX-09-12-R*	39 ⁷ / ₈ (1013)	42 ¹ / ₄ (1073)	64 ¹ / ₄ (1632)	66 ⁹ / ₁₆ (1691)
	18 (457)	(Prefix)RX-09-18-R*	39 ⁷ / ₈ (1013)	48 ¹ / ₂ (1232)	64 ¹ / ₄ (1632)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)RX-09-24-R*	39 ⁷ / ₈ (1013)	54 ¹³ / ₁₆ (1392)	64 ¹ / ₄ (1632)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)RX-09-30-R*	39 ⁷ / ₈ (1013)	60 ¹ / ₄ (1530)	64 ¹ / ₄ (1632)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)RX-09-36-R*	39 ⁷ / ₈ (1013)	66 ⁹ / ₁₆ (1691)	64 ¹ / ₄ (1632)	90 ¹⁵ / ₁₆ (2310)
12 (305)	18 (457)	(Prefix)RX-12-18-R*	42 ¹ / ₄ (1073)	48 ¹ / ₂ (1232)	66 ⁹ / ₁₆ (1691)	72 ¹ / ₁₆ (1830)
	24 (609)	(Prefix)RX-12-24-R*	42 ¹ / ₄ (1073)	54 ¹³ / ₁₆ (1392)	66 ⁹ / ₁₆ (1691)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)RX-12-30-R*	42 ¹ / ₄ (1073)	60 ¹ / ₄ (1530)	66 ⁹ / ₁₆ (1691)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)RX-12-36-R*	42 ¹ / ₄ (1073)	66 ⁹ / ₁₆ (1691)	66 ⁹ / ₁₆ (1691)	90 ¹⁵ / ₁₆ (2310)
18 (457)	24 (609)	(Prefix)RX-18-24-R*	48 ¹ / ₂ (1232)	54 ¹³ / ₁₆ (1392)	72 ¹ / ₁₆ (1830)	78 ³ / ₈ (1991)
	30 (762)	(Prefix)RX-18-30-R*	48 ¹ / ₂ (1232)	60 ¹ / ₄ (1530)	72 ¹ / ₁₆ (1830)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)RX-18-36-R*	48 ¹ / ₂ (1232)	66 ⁹ / ₁₆ (1691)	72 ¹ / ₁₆ (1830)	90 ¹⁵ / ₁₆ (2310)
24 (609)	30 (762)	(Prefix)RX-24-30-R*	54 ¹³ / ₁₆ (1392)	60 ¹ / ₄ (1530)	78 ³ / ₈ (1991)	84 ⁵ / ₈ (2149)
	36 (914)	(Prefix)RX-24-36-R*	54 ¹³ / ₁₆ (1392)	66 ⁹ / ₁₆ (1691)	78 ³ / ₈ (1991)	90 ¹⁵ / ₁₆ (2310)
30 (762)	36 (914)	(Prefix)RX-30-36-R*	60 ¹ / ₄ (1530)	66 ⁹ / ₁₆ (1691)	84 ⁵ / ₈ (2149)	90 ¹⁵ / ₁₆ (2310)

(Prefix) See page F-21 for catalog number prefix.

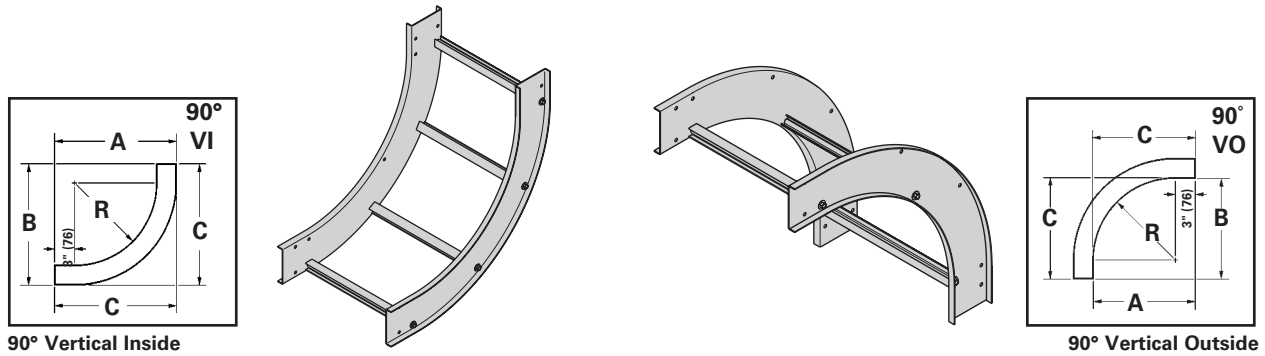
Width dimensions are to inside wall.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Vertical Bend 90° (VO, VI)

1 pair splice plates with hardware included.



90° Vertical Inside (VI) Bend

Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height											
			4"			5"			6"			7"		
			A	B	C	A	B	C	A	B	C	A	B	C
12 (305)	6 (152)	(Pre)VI-06-90R12												
	9 (228)	(Pre)VI-09-90R12												
	12 (305)	(Pre)VI-12-90R12	18 1/2"	18 1/2"	18 1/2"	19 1/2"	19 1/2"	19 1/2"	20 1/2"	20 1/2"	20 1/2"	21 1/2"	21 1/2"	21 1/2"
	18 (457)	(Pre)VI-18-90R12	(470)	(470)	(470)	(495)	(495)	(495)	(521)	(521)	(521)	(546)	(546)	(546)
	24 (609)	(Pre)VI-24-90R12												
	30 (762)	(Pre)VI-30-90R12												
24 (609)	36 (914)	(Pre)VI-36-90R12												
	6 (152)	(Pre)VI-06-90R24												
	9 (228)	(Pre)VI-09-90R24												
	12 (305)	(Pre)VI-12-90R24	30 1/2"	30 1/2"	30 1/2"	31 1/2"	31 1/2"	31 1/2"	32 1/2"	32 1/2"	32 1/2"	33 1/2"	33 1/2"	33 1/2"
	18 (457)	(Pre)VI-18-90R24	(851)	(851)	(851)	(800)	(800)	(800)	(825)	(825)	(825)	(851)	(851)	(851)
	24 (609)	(Pre)VI-24-90R24												
	30 (762)	(Pre)VI-30-90R24												
	36 (914)	(Pre)VI-36-90R24												

90° Vertical Inside (VO) Bend

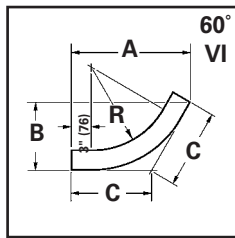
Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height 4"-7"		
			A	B	C
12 (305)	6 (152)	(Pre)VO-06-90R12			
	9 (228)	(Pre)VO-09-90R12			
	12 (305)	(Pre)VO-12-90R12	15"	15"	15"
	18 (457)	(Pre)VO-18-90R12	(381)	(381)	(381)
	24 (609)	(Pre)VO-24-90R12			
	30 (762)	(Pre)VO-30-90R12			
24 (609)	36 (914)	(Pre)VO-36-90R12			
	6 (152)	(Pre)VO-06-90R24			
	9 (228)	(Pre)VO-09-90R24			
	12 (305)	(Pre)VO-12-90R24	27"	27"	27"
	18 (457)	(Pre)VO-18-90R24	(686)	(686)	(686)
	24 (609)	(Pre)VO-24-90R24			
	30 (762)	(Pre)VO-30-90R24			
	36 (914)	(Pre)VO-36-90R24			

(Pre) = Prefix. See page F-21 for catalog number prefix.
Manufacturing tolerances apply to all dimensions.

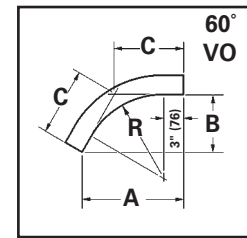
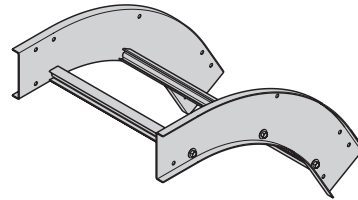
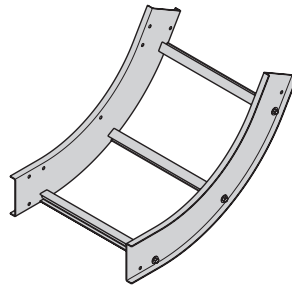
All dimensions in parentheses are millimeters unless otherwise specified.

Vertical Bend 60° (VO, VI)

1 pair splice plates with hardware included.



60° Vertical Inside



60° Vertical Outside

60° Vertical Inside (VI) Bend

Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height											
			4"			5"			6"			7"		
			A	B	C	A	B	C	A	B	C	A	B	C
12 (305)	6 (152)	(Pre)VI-06-60R12	18" (457)	10 ³ / ₈ " (263)	12" (305)	18 ¹³ / ₁₆ " (478)	10 ⁷ / ₈ " (276)	12 ⁹ / ₁₆ " (319)	19 ¹¹ / ₁₆ " (500)	11 ³ / ₈ " (289)	13 ¹ / ₈ " (333)	20 ⁹ / ₁₆ " (522)	11 ⁷ / ₈ " (301)	13 ¹¹ / ₁₆ " (347)
	9 (228)	(Pre)VI-09-60R12												
	12 (305)	(Pre)VI-12-60R12												
	18 (457)	(Pre)VI-18-60R12												
	24 (609)	(Pre)VI-24-60R12												
	30 (762)	(Pre)VI-30-60R12												
36 (914)	(Pre)VI-36-60R12													
24 (609)	6 (152)	(Pre)VI-06-60R24	28 ³ / ₈ " (721)	16 ³ / ₈ " (416)	18 ¹⁵ / ₁₆ " (481)	29 ¹ / ₄ " (743)	16 ⁷ / ₈ " (428)	19 ¹ / ₂ " (495)	30 ¹ / ₁₆ " (763)	17 ³ / ₈ " (441)	20 ¹ / ₁₆ " (509)	30 ¹⁵ / ₁₆ " (786)	17 ⁷ / ₈ " (454)	20 ⁵ / ₈ " (524)
	9 (228)	(Pre)VI-09-60R24												
	12 (305)	(Pre)VI-12-60R24												
	18 (457)	(Pre)VI-18-60R24												
	24 (609)	(Pre)VI-24-60R24												
	30 (762)	(Pre)VI-30-60R24												
36 (914)	(Pre)VI-36-60R24													

60° Vertical Inside (VO) Bend

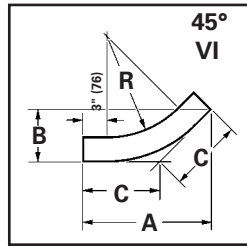
Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height 4"-7"		
			A	B	C
12 (305)	6 (152)	(Pre)VO-06-60R12			
	9 (228)	(Pre)VO-09-60R12			
	12 (305)	(Pre)VO-12-60R12			
	18 (457)	(Pre)VO-18-60R12	14 ⁷ / ₈ "	8 ⁵ / ₈ "	9 ¹⁵ / ₁₆ "
	24 (609)	(Pre)VO-24-60R12	(378)	(219)	(252)
	30 (762)	(Pre)VO-30-60R12			
	36 (914)	(Pre)VO-36-60R12			
24 (609)	6 (152)	(Pre)VO-06-60R24			
	9 (228)	(Pre)VO-09-60R24			
	12 (305)	(Pre)VO-12-60R24			
	18 (457)	(Pre)VO-18-60R24	25 ⁵ / ₁₆ "	14 ⁵ / ₈ "	16 ⁷ / ₈ "
	24 (609)	(Pre)VO-24-60R24	(643)	(371)	(428)
	30 (762)	(Pre)VO-30-60R24			
	36 (914)	(Pre)VO-36-60R24			

(Pre) = Prefix. See page F-21 for catalog number prefix.
Manufacturing tolerances apply to all dimensions.

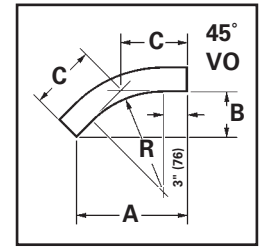
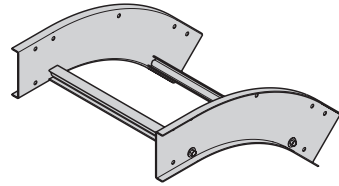
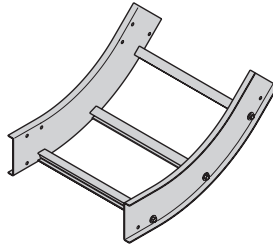
All dimensions in parentheses are millimeters unless otherwise specified.

Vertical Bend 45° (VO, VI)

1 pair splice plates with hardware included.



45° Vertical Inside



45° Vertical Outside

45° Vertical Inside (VI) Bend

Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height											
			4"			5"			6"			7"		
			A	B	C	A	B	C	A	B	C	A	B	C
12 (305)	6 (152)	(Pre)VI-06-45R12												
	9 (228)	(Pre)VI-09-45R12												
	12 (305)	(Pre)VI-12-45R12	16 ¹ / ₈ "	6 ¹¹ / ₁₆ "	9 ⁷ / ₁₆ "	16 ⁷ / ₈ "	7"	9 ⁷ / ₈ "	17 ⁹ / ₁₆ "	7 ¹ / ₄ "	10 ¹ / ₄ "	18 ¹ / ₄ "	7 ⁹ / ₁₆ "	10 ¹¹ / ₁₆ "
	18 (457)	(Pre)VI-18-45R12	(409)	(170)	(239)	(428)	(178)	(251)	(446)	(184)	(260)	(463)	(192)	(271)
	24 (609)	(Pre)VI-24-45R12												
	30 (762)	(Pre)VI-30-45R12												
24 (609)	36 (914)	(Pre)VI-36-45R12												
	6 (152)	(Pre)VI-06-45R24												
	9 (228)	(Pre)VI-09-45R24												
	12 (305)	(Pre)VI-12-45R24	24 ⁵ / ₈ "	10 ³ / ₁₆ "	14 ⁷ / ₁₆ "	25 ⁵ / ₁₆ "	10 ¹ / ₂ "	14 ¹³ / ₁₆ "	26"	10 ³ / ₄ "	15 ¹ / ₄ "	26 ³ / ₄ "	11 ¹ / ₁₆ "	15 ⁵ / ₈ "
	18 (457)	(Pre)VI-18-45R24	(625)	(259)	(366)	(643)	(267)	(376)	(660)	(273)	(387)	(679)	(281)	(397)
	24 (609)	(Pre)VI-24-45R24												
	30 (762)	(Pre)VI-30-45R24												
	36 (914)	(Pre)VI-36-45R24												

45° Vertical Inside (VO) Bend

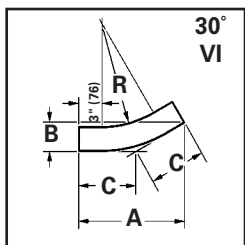
Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height 4"-7"		
			A	B	C
12 (305)	6 (152)	(Pre)VO-06-45R12			
	9 (228)	(Pre)VO-09-45R12			
	12 (305)	(Pre)VO-12-45R12	13 ⁵ / ₈ "	5 ⁵ / ₈ "	8"
	18 (457)	(Pre)VO-18-45R12	(346)	(136)	(203)
	24 (609)	(Pre)VO-24-45R12			
	30 (762)	(Pre)VO-30-45R12			
24 (609)	36 (914)	(Pre)VO-36-45R12			
	6 (152)	(Pre)VO-06-45R24			
	9 (228)	(Pre)VO-09-45R24			
	12 (305)	(Pre)VO-12-45R24	22 ¹ / ₈ "	14 ³ / ₁₆ "	12 ¹⁵ / ₁₆ "
	18 (457)	(Pre)VO-18-45R24	(562)	(233)	(328)
	24 (609)	(Pre)VO-24-45R24			
	30 (762)	(Pre)VO-30-45R24			
	36 (914)	(Pre)VO-36-45R24			

(Pre) = Prefix. See page F-21 for catalog number prefix.
Manufacturing tolerances apply to all dimensions.

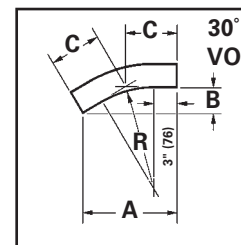
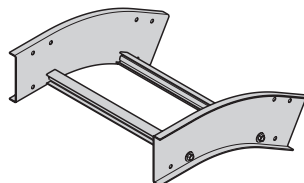
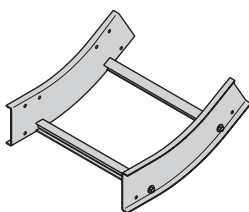
All dimensions in parentheses are millimeters unless otherwise specified.

Vertical Bend 30° (VO, VI)

1 pair splice plates with hardware included.



30° Vertical Inside



30° Vertical Outside

30° Vertical Inside (VI) Bend

Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height											
			4"			5"			6"			7"		
			A	B	C	A	B	C	A	B	C	A	B	C
12 (305)	6 (152)	(Pre)VI-06-30R12												
	9 (228)	(Pre)VI-09-30R12												
	12 (305)	(Pre)VI-12-30R12												
	18 (457)	(Pre)VI-18-30R12	13 ⁷ / ₁₆ "	3 ⁵ / ₈ "	7 ³ / ₁₆ "	13 ¹⁵ / ₁₆ "	3 ³ / ₄ "	7 ⁷ / ₁₆ "	14 ⁷ / ₁₆ "	3 ⁷ / ₈ "	7 ³ / ₄ "	14 ⁷ / ₈ "	4"	8"
	24 (609)	(Pre)VI-24-30R12	(341)	(92)	(182)	(354)	(95)	(189)	(366)	(98)	(197)	(378)	(101)	(203)
	30 (762)	(Pre)VI-30-30R12												
	36 (914)	(Pre)VI-36-30R12												
24 (609)	6 (152)	(Pre)VI-06-30R24												
	9 (228)	(Pre)VI-09-30R24												
	12 (305)	(Pre)VI-12-30R24												
	18 (457)	(Pre)VI-18-30R24	19 ⁷ / ₁₆ "	5 ³ / ₁₆ "	10 ⁷ / ₁₆ "	19 ¹⁵ / ₁₆ "	5 ⁵ / ₁₆ "	10 ¹¹ / ₁₆ "	20 ⁷ / ₁₆ "	5 ⁷ / ₁₆ "	10 ¹⁵ / ₁₆ "	20 ⁷ / ₈ "	5 ⁵ / ₈ "	11 ³ / ₁₆ "
	24 (609)	(Pre)VI-24-30R24	(493)	(132)	(265)	(506)	(135)	(271)	(519)	(138)	(278)	(530)	(143)	(284)
	30 (762)	(Pre)VI-30-30R24												
	36 (914)	(Pre)VI-36-30R24												

30° Vertical Inside (VO) Bend

Bend Radius R in. (mm)	Width in. (mm)	Catalog No.	Siderail Height 4"-7"		
			A	B	C
12 (305)	6 (152)	(Pre)VO-06-30R12			
	9 (228)	(Pre)VO-09-30R12			
	12 (305)	(Pre)VO-12-30R12			
	18 (457)	(Pre)VO-18-30R12	11 ⁵ / ₈ "	3 ¹ / ₈ "	6 ¹ / ₄ "
	24 (609)	(Pre)VO-24-30R12	(295)	(79)	(159)
	30 (762)	(Pre)VO-30-30R12			
	36 (914)	(Pre)VO-36-30R12			
24 (609)	6 (152)	(Pre)VO-06-30R24			
	9 (228)	(Pre)VO-09-30R24			
	12 (305)	(Pre)VO-12-30R24			
	18 (457)	(Pre)VO-18-30R24	17 ⁵ / ₈ "	4 ³ / ₄ "	9 ⁷ / ₁₆ "
	24 (609)	(Pre)VO-24-30R24	(447)	(120)	(239)
	30 (762)	(Pre)VO-30-30R24			
	36 (914)	(Pre)VO-36-30R24			

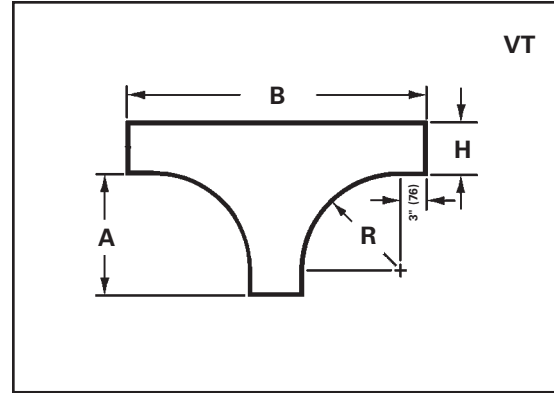
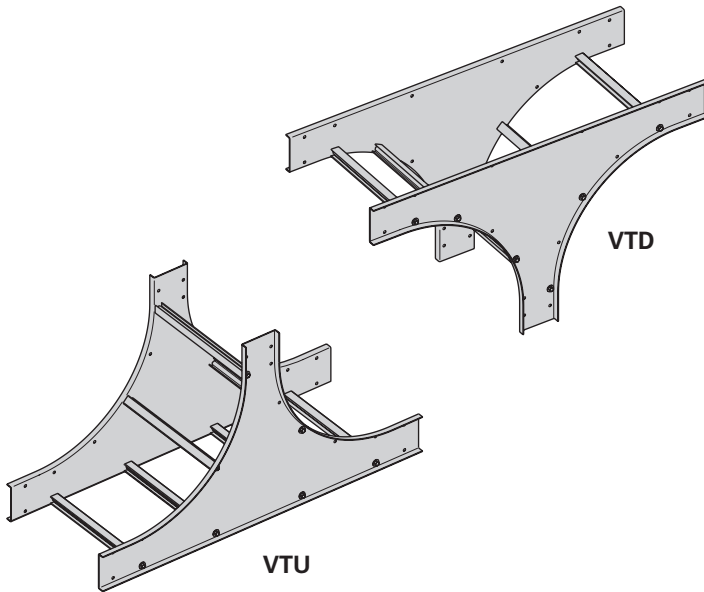
(Pre) = Prefix. See page F-21 for catalog number prefix.
Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Vertical Tee Up/Down (VTU/VTD)

2 pair splice plates with hardware included.

Redi-Rail



Bend Radius R in. (mm)	Tray Width in. (mm)	(*) Insert U for Tee Up Insert D for Tee Down Catalog No.	Side Rail Height "H"				
			4" - 7"	4"	5"	6"	7"
			A in. (mm)	B in. (mm)	B in. (mm)	B in. (mm)	B in. (mm)
12" (305)	6 (152)	(Prefix)VT(*)-06-R12	15 (381)	33 ⁷ / ₁₆ (849)	34 ³ / ₈ (874)	35 ³ / ₈ (899)	36 ³ / ₈ (924)
	9 (228)	(Prefix)VT(*)-09-R12					
	12 (305)	(Prefix)VT(*)-12-R12					
	18 (457)	(Prefix)VT(*)-18-R12					
	24 (609)	(Prefix)VT(*)-24-R12					
	30 (762)	(Prefix)VT(*)-30-R12					
	36 (914)	(Prefix)VT(*)-36-R12					
24" (609)	6 (152)	(Prefix)VT(*)-06-R24	27 (686)	57 ⁷ / ₁₆ (1458)	58 ³ / ₈ (1483)	59 ³ / ₈ (1508)	60 ³ / ₈ (1533)
	9 (228)	(Prefix)VT(*)-09-R24					
	12 (305)	(Prefix)VT(*)-12-R24					
	18 (457)	(Prefix)VT(*)-18-R24					
	24 (609)	(Prefix)VT(*)-24-R24					
	30 (762)	(Prefix)VT(*)-30-R24					
	36 (914)	(Prefix)VT(*)-36-R24					

(Prefix) See page F-21 for catalog number prefix.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.