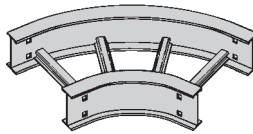
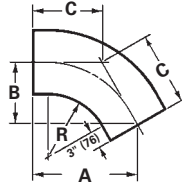
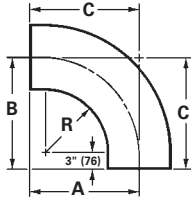


90° Horizontal Bend



60° Horizontal Bend



Horizontal Bend 90° 60° (HB)

1 pair splice plates with hardware included.

Bottoms manufactured:

Ladder = 9" Rung Spacing

VT & 04 = 4" Rung Spacing

ST & SB = Flat sheet over 12" Rung Spacing

Bend Radius R	Tray Width	90° Horizontal Bend Dimensions				60° Horizontal Bend Dimensions			
		Catalog No.	A	B	C	Catalog No.	A	B	C
in. (mm)	in. (mm)		in. (mm)	in. (mm)	in. (mm)		in. (mm)	in. (mm)	in. (mm)
12 (305)	6 (152)	(Pre)-06-90HB12	18 (457)	18 (457)	18 (457)	(Pre)-06-60HB12	17 ¹ / ₂ (445)	10 ¹ / ₈ (257)	11 ¹¹ / ₁₆ (297)
	9 (228)	(Pre)-09-90HB12	19 ¹ / ₂ (495)	19 ¹ / ₂ (495)	19 ¹ / ₂ (495)	(Pre)-09-60HB12	18 ¹³ / ₁₆ (478)	10 ⁷ / ₈ (276)	12 ¹ / ₂ (318)
	12 (305)	(Pre)-12-90HB12	21 (533)	21 (533)	21 (533)	(Pre)-12-60HB12	20 ¹ / ₁₆ (510)	11 ⁵ / ₈ (295)	13 ³ / ₈ (340)
	18 (457)	(Pre)-18-90HB12	24 (610)	24 (610)	24 (610)	(Pre)-18-60HB12	22 ¹¹ / ₁₆ (576)	13 ¹ / ₈ (333)	15 ¹ / ₈ (384)
	24 (609)	(Pre)-24-90HB12	27 (686)	27 (686)	27 (686)	(Pre)-24-60HB12	25 ⁵ / ₁₆ (643)	14 ⁵ / ₈ (372)	16 ⁷ / ₈ (429)
	30 (762)	(Pre)-30-90HB12	30 (762)	30 (762)	30 (762)	(Pre)-30-60HB12	27 ⁷ / ₈ (708)	16 ¹ / ₈ (410)	18 ⁹ / ₁₆ (472)
	36 (914)	(Pre)-36-90HB12	33 (838)	33 (838)	33 (838)	(Pre)-36-60HB12	30 ¹ / ₂ (775)	17 ⁵ / ₈ (448)	20 ⁵ / ₁₆ (516)
24 (610)	42 (1067)	(Pre)-42-90HB12	36 (914)	36 (914)	36 (914)	(Pre)-42-60HB12	33 ¹ / ₁₆ (840)	19 ¹ / ₈ (486)	22 ¹ / ₁₆ (560)
	6 (152)	(Pre)-06-90HB24	30 (762)	30 (762)	30 (762)	(Pre)-06-60HB24	27 ⁷ / ₈ (708)	16 ¹ / ₈ (410)	18 ⁹ / ₁₆ (472)
	9 (228)	(Pre)-09-90HB24	31 ¹ / ₂ (800)	31 ¹ / ₂ (800)	31 ¹ / ₂ (800)	(Pre)-09-60HB24	29 ³ / ₁₆ (741)	16 ⁷ / ₈ (429)	19 ⁷ / ₁₆ (494)
	12 (305)	(Pre)-12-90HB24	33 (838)	33 (838)	33 (838)	(Pre)-12-60HB24	30 ¹ / ₂ (775)	17 ⁵ / ₈ (448)	20 ⁵ / ₁₆ (516)
	18 (457)	(Pre)-18-90HB24	36 (914)	36 (914)	36 (914)	(Pre)-18-60HB24	33 ¹ / ₁₆ (708)	19 ¹ / ₈ (486)	22 ¹ / ₁₆ (560)
	24 (609)	(Pre)-24-90HB24	39 (991)	39 (991)	39 (991)	(Pre)-24-60HB24	35 ¹¹ / ₁₆ (907)	20 ⁵ / ₈ (524)	23 ¹³ / ₁₆ (605)
	30 (762)	(Pre)-30-90HB24	42 (1067)	42 (1067)	42 (1067)	(Pre)-30-60HB24	38 ¹ / ₄ (972)	22 ¹ / ₈ (564)	25 ¹ / ₂ (648)
36 (914)	36 (914)	(Pre)-36-90HB24	45 (1143)	45 (1143)	45 (1143)	(Pre)-36-60HB24	40 ⁷ / ₈ (1038)	23 ⁵ / ₈ (600)	27 ¹ / ₄ (692)
	42 (1067)	(Pre)-42-90HB24	48 (1219)	48 (1219)	48 (1219)	(Pre)-42-60HB24	43 ¹ / ₂ (1105)	25 ¹ / ₈ (638)	29 (737)
	6 (152)	(Pre)-06-90HB36	42 (1067)	42 (1067)	42 (1067)	(Pre)-06-60HB36	38 ¹ / ₄ (971)	22 ¹ / ₈ (562)	25 ¹ / ₂ (648)
	9 (228)	(Pre)-09-90HB36	43 ¹ / ₂ (1105)	43 ¹ / ₂ (1105)	43 ¹ / ₂ (1105)	(Pre)-09-60HB36	39 ⁹ / ₁₆ (1005)	22 ⁷ / ₈ (581)	26 ³ / ₈ (670)
	12 (305)	(Pre)-12-90HB36	45 (1143)	45 (1143)	45 (1143)	(Pre)-12-60HB36	40 ⁷ / ₈ (1038)	23 ⁵ / ₈ (600)	27 ¹ / ₄ (692)
	18 (457)	(Pre)-18-90HB36	48 (1219)	48 (1219)	48 (1219)	(Pre)-18-60HB36	43 ¹ / ₂ (1105)	25 ¹ / ₈ (638)	29 (737)
	24 (609)	(Pre)-24-90HB36	51 (1295)	51 (1295)	51 (1295)	(Pre)-24-60HB36	46 ¹ / ₁₆ (1170)	26 ⁵ / ₈ (676)	30 ¹¹ / ₁₆ (780)
48 (1220)	30 (762)	(Pre)-30-90HB36	54 (1372)	54 (1372)	54 (1372)	(Pre)-30-60HB36	48 ¹ / ₁₆ (1237)	28 ¹ / ₈ (714)	32 ⁷ / ₁₆ (824)
	36 (914)	(Pre)-36-90HB36	57 (1448)	57 (1448)	57 (1448)	(Pre)-36-60HB36	51 ¹ / ₄ (1302)	29 ⁵ / ₈ (753)	34 ³ / ₁₆ (869)
	42 (1067)	(Pre)-42-90HB36	60 (1524)	60 (1524)	60 (1524)	(Pre)-42-60HB36	53 ⁷ / ₈ (1368)	31 ¹ / ₈ (791)	35 ¹⁵ / ₁₆ (913)
	6 (152)	(Pre)-06-90HB48	54 (1372)	54 (1372)	54 (1372)	(Pre)-06-60HB48	48 ¹ / ₁₆ (1221)	28 ¹ / ₈ (715)	32 ¹¹ / ₁₆ (830)
	9 (228)	(Pre)-09-90HB48	55 ¹ / ₂ (1410)	55 ¹ / ₂ (1410)	55 ¹ / ₂ (1410)	(Pre)-09-60HB48	49 ¹⁵ / ₁₆ (1268)	28 ⁷ / ₈ (734)	33 ⁵ / ₁₆ (846)
	12 (305)	(Pre)-12-90HB48	57 (1448)	57 (1448)	57 (1448)	(Pre)-12-60HB48	51 ¹ / ₄ (1302)	29 ⁵ / ₈ (753)	34 ³ / ₁₆ (869)
	18 (457)	(Pre)-18-90HB48	60 (1524)	60 (1524)	60 (1524)	(Pre)-18-60HB48	53 ⁷ / ₈ (1368)	31 ¹ / ₈ (737)	35 ¹⁵ / ₁₆ (913)
48 (1220)	24 (609)	(Pre)-24-90HB48	63 (1600)	63 (1600)	63 (1600)	(Pre)-24-60HB48	56 ⁷ / ₁₆ (1434)	32 ⁵ / ₈ (829)	37 ⁵ / ₈ (956)
	30 (762)	(Pre)-30-90HB48	66 (1676)	66 (1676)	66 (1676)	(Pre)-30-60HB48	59 ¹ / ₁₆ (1500)	34 ¹ / ₈ (867)	39 ³ / ₈ (1000)
	36 (914)	(Pre)-36-90HB48	69 (1753)	69 (1753)	69 (1753)	(Pre)-36-60HB48	61 ¹¹ / ₁₆ (1567)	35 ⁵ / ₈ (905)	41 ¹ / ₈ (1045)
	42 (1067)	(Pre)-42-90HB48	72 (1829)	72 (1829)	72 (1829)	(Pre)-42-60HB48	64 ¹ / ₄ (1632)	37 ¹ / ₈ (943)	42 ¹³ / ₁₆ (1087)

(Pre) See page L-3 for catalog number prefix.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches (38mm) for total outside width.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.

Series 2, 3, 4, & 5 - Fittings

Horizontal Bend 45° 30° (HB)

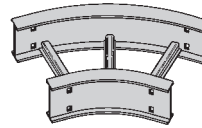
1 pair splice plates with hardware included.

Bottoms manufactured:

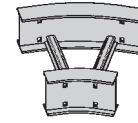
Ladder = 9" Rung Spacing

VT & 04 = 4" Rung Spacing

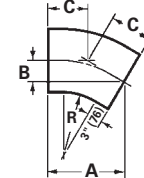
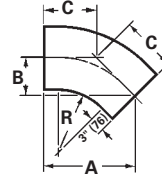
ST & SB = Flat sheet over 12" Rung Spacing



45° Horizontal Bend



30° Horizontal Bend



Bend Radius R	Tray Width	45° Horizontal Bend Dimensions				30° Horizontal Bend Dimensions			
		Catalog No.	A	B	C	Catalog No.	A	B	C
in. (mm)	in. (mm)		in. (mm)	in. (mm)	in. (mm)		in. (mm)	in. (mm)	in. (mm)
12 (305)	6 (152)	(Pre)-06-45HB12	15 ³ / ₄ (400)	6 ¹ / ₂ (165)	9 ³ / ₁₆ (233)	(Pre)-06-30HB12	13 ¹ / ₈ (333)	3 ¹ / ₂ (89)	7 (179)
	9 (228)	(Pre)-09-45HB12	16 ¹³ / ₁₆ (427)	6 ⁵ / ₁₆ (176)	9 ¹³ / ₁₆ (249)	(Pre)-09-30HB12	13 ⁷ / ₈ (352)	3 ¹¹ / ₁₆ (94)	7 ⁷ / ₁₆ (189)
	12 (305)	(Pre)-12-45HB12	17 ⁷ / ₈ (454)	7 ³ / ₈ (187)	10 ⁷ / ₁₆ (265)	(Pre)-12-30HB12	14 ⁵ / ₈ (372)	3 ¹⁵ / ₁₆ (100)	7 ¹³ / ₁₆ (198)
	18 (457)	(Pre)-18-45HB12	20 (508)	8 ¹ / ₄ (210)	11 ¹¹ / ₁₆ (297)	(Pre)-18-30HB12	16 ¹ / ₈ (410)	4 ⁵ / ₁₆ (135)	8 ⁵ / ₈ (219)
	24 (609)	(Pre)-24-45HB12	22 ¹ / ₁₆ (560)	9 ¹ / ₈ (232)	12 ¹⁵ / ₁₆ (329)	(Pre)-24-30HB12	17 ⁵ / ₈ (448)	4 ¹¹ / ₁₆ (119)	9 ⁷ / ₁₆ (240)
	30 (762)	(Pre)-30-45HB12	24 ³ / ₁₆ (614)	10 (254)	14 ³ / ₁₆ (360)	(Pre)-30-30HB12	19 ¹ / ₈ (486)	5 ¹ / ₈ (130)	10 ¹ / ₄ (260)
	36 (914)	(Pre)-36-45HB12	26 ⁵ / ₁₆ (668)	10 ¹⁵ / ₁₆ (278)	15 ⁷ / ₁₆ (392)	(Pre)-36-30HB12	20 ⁵ / ₈ (524)	5 ¹ / ₂ (140)	11 ¹ / ₁₆ (281)
	42 (1067)	(Pre)-42-45HB12	28 ⁷ / ₁₆ (722)	11 ¹³ / ₁₆ (300)	16 ¹¹ / ₁₆ (424)	(Pre)-42-30HB12	22 ¹ / ₈ (562)	5 ¹⁵ / ₁₆ (151)	11 ¹³ / ₁₆ (300)
24 (610)	6 (152)	(Pre)-06-45HB24	24 ³ / ₁₆ (614)	10 (254)	14 ³ / ₁₆ (360)	(Pre)-06-30HB24	19 ¹ / ₈ (486)	5 ¹ / ₈ (130)	10 ¹ / ₄ (260)
	9 (228)	(Pre)-09-45HB24	25 ¹ / ₄ (641)	10 ¹ / ₂ (267)	14 ¹³ / ₁₆ (376)	(Pre)-09-30HB24	19 ⁷ / ₈ (505)	5 ⁵ / ₁₆ (135)	10 ⁵ / ₈ (270)
	12 (305)	(Pre)-12-45HB24	26 ⁵ / ₁₆ (668)	10 ¹⁵ / ₁₆ (278)	15 ⁷ / ₁₆ (392)	(Pre)-12-30HB24	20 ⁵ / ₈ (524)	5 ¹ / ₂ (140)	11 ¹ / ₁₆ (281)
	18 (457)	(Pre)-18-45HB24	28 ⁷ / ₁₆ (722)	11 ¹³ / ₁₆ (300)	16 ¹¹ / ₁₆ (424)	(Pre)-18-30HB24	22 ¹ / ₈ (562)	5 ¹⁵ / ₁₆ (151)	11 ¹³ / ₁₆ (300)
	24 (609)	(Pre)-24-45HB24	30 ⁹ / ₁₆ (766)	12 ¹¹ / ₁₆ (322)	17 ¹⁵ / ₁₆ (456)	(Pre)-24-30HB24	23 ⁵ / ₈ (600)	6 ⁵ / ₁₆ (160)	12 ⁵ / ₈ (321)
	30 (762)	(Pre)-30-45HB24	32 ¹¹ / ₁₆ (830)	13 ⁹ / ₁₆ (344)	19 ¹ / ₈ (486)	(Pre)-30-30HB24	25 ¹ / ₈ (638)	6 ³ / ₄ (172)	13 ⁷ / ₁₆ (341)
	36 (914)	(Pre)-36-45HB24	34 ¹³ / ₁₆ (884)	14 ⁷ / ₁₆ (367)	20 ³ / ₈ (518)	(Pre)-36-30HB24	26 ⁵ / ₈ (676)	7 ¹ / ₈ (181)	14 ¹ / ₄ (362)
	42 (1067)	(Pre)-42-45HB24	36 ¹⁵ / ₁₆ (938)	15 ⁵ / ₁₆ (389)	21 ⁵ / ₈ (549)	(Pre)-42-30HB24	28 ¹ / ₈ (715)	7 ¹ / ₂ (191)	15 ¹ / ₁₆ (383)
36 (914)	6 (152)	(Pre)-06-45HB36	32 ¹¹ / ₁₆ (830)	13 ⁹ / ₁₆ (344)	19 ¹ / ₈ (486)	(Pre)-06-30HB36	25 ¹ / ₈ (638)	6 ³ / ₄ (171)	13 ⁷ / ₁₆ (341)
	9 (228)	(Pre)-09-45HB36	33 ³ / ₄ (857)	14 (356)	19 ³ / ₄ (502)	(Pre)-09-30HB36	25 ⁷ / ₈ (657)	6 ¹⁵ / ₁₆ (176)	13 ⁷ / ₈ (352)
	12 (305)	(Pre)-12-45HB36	34 ¹³ / ₁₆ (884)	14 ⁷ / ₁₆ (367)	20 ³ / ₈ (518)	(Pre)-12-30HB36	26 ⁵ / ₈ (676)	7 ¹ / ₈ (181)	14 ¹ / ₄ (362)
	18 (457)	(Pre)-18-45HB36	36 ¹⁵ / ₁₆ (938)	15 ⁵ / ₁₆ (389)	21 ⁵ / ₈ (549)	(Pre)-18-30HB36	28 ¹ / ₈ (715)	7 ¹ / ₂ (191)	15 ¹ / ₁₆ (383)
	24 (609)	(Pre)-24-45HB36	39 ¹ / ₁₆ (992)	16 ³ / ₁₆ (411)	22 ⁷ / ₈ (581)	(Pre)-24-30HB36	29 ⁵ / ₈ (753)	7 ¹⁵ / ₁₆ (202)	15 ⁷ / ₈ (403)
	30 (762)	(Pre)-30-45HB36	41 ³ / ₁₆ (1046)	17 ¹ / ₁₆ (433)	24 ¹ / ₈ (613)	(Pre)-30-30HB36	31 ¹ / ₈ (790)	8 ⁵ / ₁₆ (211)	16 ¹¹ / ₁₆ (424)
	36 (914)	(Pre)-36-45HB36	43 ⁵ / ₁₆ (1100)	17 ¹⁵ / ₁₆ (456)	25 ³ / ₈ (645)	(Pre)-36-30HB36	32 ⁵ / ₈ (829)	8 ³ / ₄ (222)	17 ¹ / ₂ (445)
	42 (1067)	(Pre)-42-45HB36	45 ⁷ / ₁₆ (1154)	18 ¹³ / ₁₆ (478)	26 ⁵ / ₈ (676)	(Pre)-42-30HB36	34 ¹ / ₈ (867)	9 ¹ / ₈ (232)	18 ¹ / ₄ (464)
48 (1220)	6 (152)	(Pre)-06-45HB48	41 ³ / ₁₆ (1046)	17 ¹ / ₁₆ (433)	24 ¹ / ₈ (613)	(Pre)-06-30HB48	31 ¹ / ₈ (791)	8 ⁵ / ₁₆ (211)	16 ¹¹ / ₁₆ (424)
	9 (228)	(Pre)-09-45HB48	42 ¹ / ₄ (1073)	17 ¹ / ₂ (445)	24 ³ / ₄ (629)	(Pre)-09-30HB48	31 ⁷ / ₈ (810)	8 ⁹ / ₁₆ (218)	17 ¹ / ₁₆ (433)
	12 (305)	(Pre)-12-45HB48	43 ⁵ / ₁₆ (1100)	17 ¹⁵ / ₁₆ (456)	25 ³ / ₈ (645)	(Pre)-12-30HB48	32 ⁵ / ₈ (829)	8 ³ / ₄ (222)	17 ¹ / ₂ (445)
	18 (457)	(Pre)-18-45HB48	45 ⁷ / ₁₆ (1154)	18 ¹³ / ₁₆ (487)	26 ⁵ / ₈ (676)	(Pre)-18-30HB48	34 ¹ / ₈ (867)	9 ¹ / ₈ (232)	18 ¹ / ₄ (464)
	24 (609)	(Pre)-24-45HB48	47 ⁹ / ₁₆ (1208)	19 ¹¹ / ₁₆ (500)	27 ⁷ / ₈ (708)	(Pre)-24-30HB48	35 ⁵ / ₈ (905)	9 ⁹ / ₁₆ (243)	19 ¹ / ₁₆ (484)
	30 (762)	(Pre)-30-45HB48	49 ¹¹ / ₁₆ (1262)	20 ⁹ / ₁₆ (522)	29 ¹ / ₈ (740)	(Pre)-30-30HB48	37 ¹ / ₈ (943)	9 ¹⁵ / ₁₆ (252)	19 ⁷ / ₈ (505)
	36 (914)	(Pre)-36-45HB48	51 ¹³ / ₁₆ (1316)	21 ⁷ / ₁₆ (545)	30 ⁵ / ₁₆ (770)	(Pre)-36-30HB48	38 ⁵ / ₈ (981)	10 ⁵ / ₁₆ (262)	20 ¹¹ / ₁₆ (525)
	42 (1067)	(Pre)-42-45HB48	54 ¹⁵ / ₁₆ (1395)	22 ⁵ / ₁₆ (567)	31 ⁹ / ₁₆ (802)	(Pre)-42-30HB48	40 ¹ / ₈ (1019)	10 ³ / ₄ (273)	21 ¹ / ₂ (546)

(Pre) See page L-3 for catalog number prefix.

Width dimensions are to inside wall. For aluminum fittings add 1.5 inches (38mm) for total outside width.

Manufacturing tolerances apply to all dimensions.

All dimensions in parentheses are millimeters unless otherwise specified.