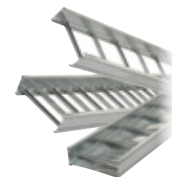


## Steel Tray

### 7" Straight Sections, Series 3-7 — Ladder, Ventilated and Solid Trough



#### SH 3 7 24 L09 288

<b>Material</b> SP = Pre-Galvanized SH = Hot-Dip Galvanized after Fabrication SS = Stainless Steel 316	<b>Series</b> 3 = Series 3	<b>Side Rail Height</b> 7 = 7"	<b>Width</b> 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	<b>Bottom Type</b> L06 = 6" Rung Spacing L09 = 9" Rung Spacing L12 = 12" Rung Spacing V = Ventilated S = Solid Trough	<b>Length</b> 3 = 3m 6 = 6m 144 = 12 ft. 288 = 24 ft.
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#### Support Span

SERIES	FEET							
	6	8	10	12	14	16	18	20
SP3-7 Load (lb./ft.)	1333	750	480	333	245	188	148	120
SH3-7 Deflection (in.)	.133	.225	.480	.667	.735	1.125	1.333	1.680
SS3-7 Deflection Factor	.0001	.0003	.001	.002	.003	.006	.009	.014

#### Specifications

- NEMA Rating — All: 20C
- UL Cross Sectional Area — All: 1.50 in.<sup>2</sup>
- Side Rail Design Factors, 1 Pair — All: Ix: 10.411 in.<sup>4</sup>; Sx: 2.820 in.<sup>3</sup>; Area: 1.54 in.<sup>2</sup>

### Fitting Number Selection

#### SHF 6 24 L VO 90 24

<b>Material</b> SPF = Pre-Galvanized Fittings SHF = Hot-Dip Galvanized Fittings SSF = Stainless Steel 316	<b>Side Rail Depth</b> 3 = 3 3/4" 4 = 4" 5 = 5" 6 = 6" 7 = 7"	<b>Width</b> 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	<b>Bottom Type</b> L = Ladder* V = Ventilated** S = Solid Trough***	<b>Fitting Type</b> HB = Horizontal Bend HT = Horizontal Tee HX = Horizontal Cross VI = Vertical Inside Bend VO = Vertical Outside Bend VTD = Vertical Tee Down VTU = Vertical Tee Up HYR = Horizontal Wye Right HYL = Horizontal Wye Left RT = Horizontal Reducing Tee ET = Horizontal Expanding Tee EX = Horiz. Expand Cross HLR = Horizontal Left Reducer HSR = Horizontal Straight Reducer HRR = Horizontal Right Reducer CS = Cable Support Fitting	<b>Angle****</b> 30 = 30° 45 = 45° 60 = 60° 90 = 90°	<b>Nominal Radius†</b> 12 = 12" 24 = 24" 36 = 36" 48 = 48"
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\* Manufactured with 9" rung spacing measured at the center line of fitting.

\*\* Manufactured with 4" edge-to-edge rung spacing measured at the center line of fitting.

\*\*\* Manufactured with flat sheet inserted under rungs with 9" rung spacing measured at the center line of fitting.

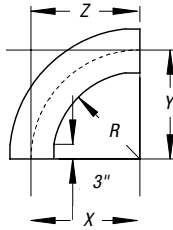
\*\*\*\* Angle is required for HB, VI, VO only.

† Radius is not required for the following Fitting Types: HYR, HYL, HLR, HRR, HSR.

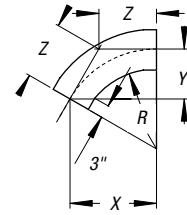
## Steel Tray



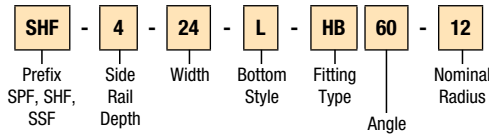
90° Horizontal Bend



60° Horizontal Bend



### Catalog Numbering System



### Selection Guide

Prefix: SPF (Pre-Galv.), SHF (Hot Dip),  
SSF (Stainless Steel)

Inside Tray Widths: 6, 9, 12, 18, 24, 30, 36

Nominal Radius: 12, 24, 36, 48

Bottom Styles: L- Ladder, V- Ventilated, S- Solid

Side Rail Depth: 3", 4", 5", 6", 7"

### 90° Horizontal Bend

NOMINAL RADIUS	DIMENSIONS			
	R	WIDTH		
12	6	PREFIX-(*)-06-(*)-HB90-12	15	15
	9	PREFIX-(*)-09-(*)-HB90-12	16½	16½
	12	PREFIX-(*)-12-(*)-HB90-12	18	18
	18	PREFIX-(*)-18-(*)-HB90-12	21	21
	24	PREFIX-(*)-24-(*)-HB90-12	24	24
	30	PREFIX-(*)-30-(*)-HB90-12	27	27
24	6	PREFIX-(*)-06-(*)-HB90-24	27	27
	9	PREFIX-(*)-09-(*)-HB90-24	28½	28½
	12	PREFIX-(*)-12-(*)-HB90-24	30	30
	18	PREFIX-(*)-18-(*)-HB90-24	33	33
	24	PREFIX-(*)-24-(*)-HB90-24	36	36
	30	PREFIX-(*)-30-(*)-HB90-24	39	39
36	6	PREFIX-(*)-06-(*)-HB90-36	39	39
	9	PREFIX-(*)-09-(*)-HB90-36	40½	40½
	12	PREFIX-(*)-12-(*)-HB90-36	42	42
	18	PREFIX-(*)-18-(*)-HB90-36	45	45
	24	PREFIX-(*)-24-(*)-HB90-36	48	48
	30	PREFIX-(*)-30-(*)-HB90-36	51	51
48	6	PREFIX-(*)-06-(*)-HB90-48	51	51
	9	PREFIX-(*)-09-(*)-HB90-48	52½	52½
	12	PREFIX-(*)-12-(*)-HB90-48	54	54
	18	PREFIX-(*)-18-(*)-HB90-48	57	57
	24	PREFIX-(*)-24-(*)-HB90-48	60	60
	30	PREFIX-(*)-30-(*)-HB90-48	63	63

### 60° Horizontal Bend

NOMINAL RADIUS	DIMENSIONS				
	R	WIDTH	CAT. NO.	X	Y
12	6	PREFIX-(*)-06-(*)-HB60-12	14⅞	8⅞	9⅞
	9	PREFIX-(*)-09-(*)-HB60-12	16⅜	9⅞	10⅜
	12	PREFIX-(*)-12-(*)-HB60-12	17½	10⅞	11⅞
	18	PREFIX-(*)-18-(*)-HB60-12	20⅞	11⅞	13⅞
	24	PREFIX-(*)-24-(*)-HB60-12	22⅞	13⅞	15⅞
	30	PREFIX-(*)-30-(*)-HB60-12	25⅞	14⅞	16⅞
24	6	PREFIX-(*)-06-(*)-HB60-24	25⅞	14⅞	16⅞
	9	PREFIX-(*)-09-(*)-HB60-24	26⅞	15⅞	17⅞
	12	PREFIX-(*)-12-(*)-HB60-24	27⅞	16⅞	18⅞
	18	PREFIX-(*)-18-(*)-HB60-24	30⅞	17⅞	20⅞
	24	PREFIX-(*)-24-(*)-HB60-24	33⅞	19⅞	22⅞
	30	PREFIX-(*)-30-(*)-HB60-24	35⅞	20⅞	23⅞
36	6	PREFIX-(*)-06-(*)-HB60-36	35⅞	20⅞	23⅞
	9	PREFIX-(*)-09-(*)-HB60-36	37	21⅞	24⅞
	12	PREFIX-(*)-12-(*)-HB60-36	38⅞	22⅞	25⅞
	18	PREFIX-(*)-18-(*)-HB60-36	40⅞	23⅞	27⅞
	24	PREFIX-(*)-24-(*)-HB60-36	43⅞	25⅞	29
	30	PREFIX-(*)-30-(*)-HB60-36	46⅞	26⅞	30⅞
48	6	PREFIX-(*)-06-(*)-HB60-48	48⅞	28⅞	32⅞
	9	PREFIX-(*)-09-(*)-HB60-48	46⅞	26⅞	30⅞
	12	PREFIX-(*)-12-(*)-HB60-48	47⅞	27⅞	31⅞
	18	PREFIX-(*)-18-(*)-HB60-48	48⅞	28⅞	32⅞
	24	PREFIX-(*)-24-(*)-HB60-48	51⅞	29⅞	34⅞
	30	PREFIX-(*)-30-(*)-HB60-48	53⅞	31⅞	35⅞

(\*) Insert side rail depth. (\*) Insert bottom style to complete Catalog Number. Includes one pair of splice plates with hardware.