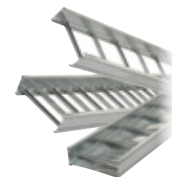


Steel Tray

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



SH 3 7 24 L09 288

Material SP = Pre-Galvanized SH = Hot-Dip Galvanized after Fabrication SS = Stainless Steel 316	Series 3 = Series 3	Side Rail Height 7 = 7"	Width 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	Bottom Type L06 = 6" Rung Spacing L09 = 9" Rung Spacing L12 = 12" Rung Spacing V = Ventilated S = Solid Trough	Length 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.²
- Side Rail Design Factors, 1 Pair — All: Ix: 10.411 in.⁴; Sx: 2.820 in.³; Area: 1.54 in.²

Fitting Number Selection

SHF 6 24 L VO 90 24

Material SPF = Pre-Galvanized Fittings SHF = Hot-Dip Galvanized Fittings SSF = Stainless Steel 316	Side Rail Depth 3 = 3 3/4" 4 = 4" 5 = 5" 6 = 6" 7 = 7"	Width 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36"	Bottom Type L = Ladder* V = Ventilated** S = Solid Trough***	Fitting Type 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	Angle**** 30 = 30° 45 = 45° 60 = 60° 90 = 90°	Nominal Radius† 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.

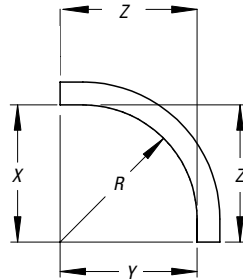
**** Angle is required for HB, VI, VO only.

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

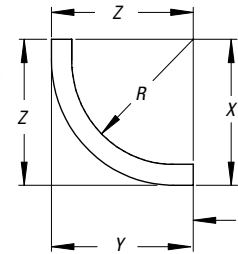
Steel Tray



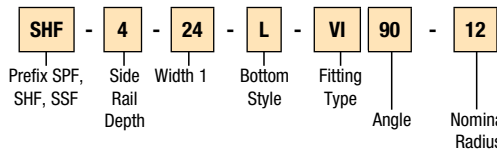
Outside Bend



Inside 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

Angle: 90°

Nominal Radius: 12, 24, 36, 48

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

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

90° Vertical Bends

NOMINAL RADIUS			(+ VO SIDE RAIL									(+ VI SIDE RAIL HEIGHT								
			HEIGHT 3½"-7"			3½"			4"			5"			6"			7"		
			R	WIDTH	CAT. NO.	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
12	6	PREFIX-(*)-06-(*)-(+)90-12																		
	9	PREFIX-(*)-09-(*)-(+)90-12																		
	12	PREFIX-(*)-12-(*)-(+)90-12																		
	18	PREFIX-(*)-18-(*)-(+)90-12	12	12	12	15%	15%	15%	16 ¹ / ₁₆	16 ¹ / ₁₆	16 ¹ / ₁₆	17 ¹ / ₁₆	17 ¹ / ₁₆	17 ¹ / ₁₆	18 ¹ / ₁₆	18 ¹ / ₁₆	18 ¹ / ₁₆	19 ¹ / ₁₆	19 ¹ / ₁₆	19 ¹ / ₁₆
	24	PREFIX-(*)-24-(*)-(+)90-12																		
	30	PREFIX-(*)-30-(*)-(+)90-12																		
24	36	PREFIX-(*)-36-(*)-(+)90-12																		
	6	PREFIX-(*)-06-(*)-(+)90-24																		
	9	PREFIX-(*)-09-(*)-(+)90-24																		
	12	PREFIX-(*)-12-(*)-(+)90-24																		
	18	PREFIX-(*)-18-(*)-(+)90-24	24	24	24	27%	27%	27%	28 ¹ / ₁₆	28 ¹ / ₁₆	28 ¹ / ₁₆	29 ¹ / ₁₆	29 ¹ / ₁₆	29 ¹ / ₁₆	30 ¹ / ₁₆	30 ¹ / ₁₆	30 ¹ / ₁₆	31 ¹ / ₁₆	31 ¹ / ₁₆	31 ¹ / ₁₆
	24	PREFIX-(*)-24-(*)-(+)90-24																		
36	30	PREFIX-(*)-30-(*)-(+)90-24																		
	36	PREFIX-(*)-36-(*)-(+)90-24																		
	6	PREFIX-(*)-06-(*)-(+)90-36																		
	9	PREFIX-(*)-09-(*)-(+)90-36																		
	12	PREFIX-(*)-12-(*)-(+)90-36																		
	18	PREFIX-(*)-18-(*)-(+)90-36	36	36	36	39%	39%	39%	40 ¹ / ₁₆	40 ¹ / ₁₆	40 ¹ / ₁₆	41 ¹ / ₁₆	41 ¹ / ₁₆	41 ¹ / ₁₆	42 ¹ / ₁₆	42 ¹ / ₁₆	42 ¹ / ₁₆	43 ¹ / ₁₆	43 ¹ / ₁₆	43 ¹ / ₁₆
48	24	PREFIX-(*)-24-(*)-(+)90-36																		
	30	PREFIX-(*)-30-(*)-(+)90-36																		
	36	PREFIX-(*)-36-(*)-(+)90-36																		
	6	PREFIX-(*)-06-(*)-(+)90-48																		
	9	PREFIX-(*)-09-(*)-(+)90-48																		
	12	PREFIX-(*)-12-(*)-(+)90-48																		
48	18	PREFIX-(*)-18-(*)-(+)90-48	48	48	48	51%	51%	51%	52 ¹ / ₁₆	52 ¹ / ₁₆	52 ¹ / ₁₆	53 ¹ / ₁₆	53 ¹ / ₁₆	53 ¹ / ₁₆	54 ¹ / ₁₆	54 ¹ / ₁₆	54 ¹ / ₁₆	55 ¹ / ₁₆	55 ¹ / ₁₆	55 ¹ / ₁₆
	24	PREFIX-(*)-24-(*)-(+)90-48																		
	30	PREFIX-(*)-30-(*)-(+)90-48																		
	36	PREFIX-(*)-36-(*)-(+)90-48																		

(*) Insert side rail depth. (*) Insert bottom style to complete Catalog Number. (+) Insert "VO" for vertical outside or "VI" for vertical inside. Includes one pair of splice plates with hardware.