Aluminum Tray

5" Straight Sections, Series 2-5, 3-5, 4-5 — Ladder, Ventilated and Solid Trough

A H 2 - 5 - 24 L09 - 144

Material
A = Aluminum

Style
H = H-Beam

Series
2 = Series 2
3 = Series 3
4 = Series 4

Side Rail Height
5"

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
144 = 12 ft.
288 = 24 ft.
3 = 3m
6 = 6m

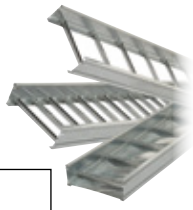
Support Span

SERIES		FEET 6	8	10	12	14	16	18	20
AH2-5	Load (lb./ft.)	511	288	184	128	94	72	57	46
	Deflection (in.)	.328	.584	.912	1.313	1.787	2.334	2.955	3.648
	Deflection Factor	.001	.002	.005	.010	.019	.032	.052	.079
AH3-5	Load (lb./ft.)	600	338	216	150	110	84	67	54
	Deflection (in.)	.313	.557	.870	1.253	1.706	2.228	2.820	3.481
	Deflection Factor	.001	.002	.004	.008	.015	.026	.042	.064
AH4-5	Load (lb./ft.)	844	475	304	211	155	119	94	76
	Deflection (in.)	.337	.599	.936	1.348	1.834	2.396	3.033	3.744
	Deflection Factor	.004	.001	.003	.006	.012	.020	.032	.049

Specifications

- NEMA Rating — AH2-5: 12C, 16A; AH3-5: 20A, 16B; AH4-5: 20B, 16C
- CSA — AH2-5: D/6m; AH3-5: E/3m; AH4-5: E/6m
- UL Cross Sectional Area — AH2-5: 1 in.^{2}; AH3-5, AH4-5: 1.5 in.^{2}
- Side Rail Design Factors, 1 Pair — AH2-5: Ix: 4.54 in.^{4}; Sx: 1.73 in.^{3}; Area: 1.23 in.^{2}; AH3-5: Ix: 5.58 in.^{4}; Sx: 2.13 in.^{3}; Area: 1.52 in.^{2}; AH4-5: Ix: 7.31 in.^{4}; Sx: 2.66 in.^{3}; Area: 1.87 in.^{2}

6" Straight Sections, Series 1-6, 2-6, 3-6 — Ladder, Ventilated and Solid Trough



A H 2 - 6 - 24 L09 - 144

Material
A = Aluminum

Style
H = H-Beam

Series
0 = Series 0*
1 = Series 1
2 = Series 2
3 = Series 3

Side Rail Height
6"

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
144 = 12 ft.
288 = 24 ft.
3 = 3m
6 = 6m

Support Span

SERIES		FEET 6	8	10	12	14	16	18	20
AH0-6	Load (lb./ft.)	308	173	111	77	—	—	—	—
	Deflection (in.)	.069	.128	.384	.552	—	—	—	—
	Deflection Factor	.0002	.0007	.003	.007	—	—	—	—
AH1-6	Load (lb./ft.)	511	288	184	128	94	72	57	46
	Deflection (in.)	.191	.340	.531	.764	1.040	1.359	1.720	2.132
	Deflection Factor	.0004	.001	.003	.006	.011	.019	.030	.046
AH2-6	Load (lb./ft.)	589	331	212	147	108	83	65	53
	Deflection (in.)	.203	.360	.563	.811	1.104	1.442	1.825	2.253
	Deflection Factor	.0003	.001	.003	.006	.010	.017	.028	.043
AH3-6	Load (lb./ft.)	889	500	320	222	163	125	99	80
	Deflection (in.)	.199	.353	.552	.794	1.081	1.412	1.788	2.207
	Deflection Factor	.0002	.001	.002	.004	.007	.011	.018	.028

Specifications

- NEMA Rating — AH0-6: 12B; AH1-6: 12C, 16A; AH2-6: 20A, 16B; AH3-6: 20B, 16C
- CSA — AH0-6: C; AH1-6: D/6M; AH2-6: E/3M; AH3-6: E/6M
- UL Cross Sectional Area — AH0-6, AH1-6: 1 in.^{2}; AH2-6: 1.5 in.^{2}; AH3-6: 2 in.^{2}
- Side Rail Design Factors, 1 Pair — AH0-6: Ix: 6.27 in.^{4}; Sx: 1.92 in.^{3}; Area: 1.22 in.^{2}; AH1-6: Ix: 7.8 in.^{4}; Sx: 2.36 in.^{3}; Area: 1.43 in.^{2}; AH2-6: Ix: 8.47 in.^{4}; Sx: 2.59 in.^{3}; Area: 1.55 in.^{2}; AH3-6: Ix: 13.05 in.^{4}; Sx: 3.88 in.^{3}; Area: 2.12 in.^{2}

** Available in 12-ft. and 3m lengths only.*
*** For load ratings of CSA Class C/NEMA 12C or less, please see an alternative ventilated series of Cable Tray on* ***pages B-334–B-357****.*