

### Straight Lengths

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#### Tray Bottom Types Ladder, ventilated and solid trough



#### Ladder

- Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is reversed to allow for easy top or bottom mounting of cable ties and clamps. All edges and welds are rounded and smooth to prevent cable damage.

#### Ventilated

- A fabricated structure consisting of integral or separate longitudinal rails and a bottom having openings sufficient for the passage of air and utilizing 75% or less of the plan area of the surface to support cables. The maximum open spacings between cable support surfaces of transverse elements do not exceed 102 mm (4 in) in the direction parallel to the tray side rails (rung edge to rung edge).

Note: For load CSA Class C/3M, NEMA 8C or less, please see alternative ventilated series of cable tray called – One-Piece found on pages A160 to A191 of the catalogue.

#### Solid Trough

- A fabricated structure consisting of a bottom without ventilation openings within separate longitudinal side rails.

Note : Fast and easy snap-in splice plates are provided with each straight section.

### Straight Lengths

#### Number Selection

##### How to Create Part Numbers

Thomas & Betts has created a numbering system based on the order of selection criteria. For example the first selection issue is the environment which the cable tray will be subjected to. This selection will lead to the best material for your application. For complete details on cable tray selection process, see page A8 in the technical section.

##### Methods

1. Select the material best suited to your environment.  
Refer to technical section page A8.
2. Determine the tray series using the NEMA/CSA Load/Span Designations page A16, and Sizing Cable Tray page A23.
3. Select nominal depth and width of tray based on Cable Loading.  
See «Sizing Cable Tray» page A23.
4. Select the bottom type based on cables and spacing requirements.
5. The last number is the length of the cable tray in meters or inches.



## Straight Lengths

### Number Selection

### Straight Section Number Selection

<b>(AH1-6) 24-L09-144</b>							
Material Prefix	Style Prefix	Series	Side Rail Height (in.)	Width	Bottom Type	Length	
A • Aluminum	H • H-Beam	1 • Series 1 ** 3 • Series 3 5 • Series 5	<b>4</b>	06 • (6 in.) ** 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 (6 in. rung spacing) L09 (9 in. rung spacing) L12 (12 in. rung spacing) V (ventilated) *** S (solid trough) ***	144 (12 ft.) 288 (24 ft.) 3 (3 meters) 6 (6 meters) 360 (30 ft.) †	
		2 • Series 2 4 • Series 4	<b>5</b>				
		1 • Series 1 3 • Series 3 4 • Series 4 5 • Series 5 6 • Series 6 7 • Series 7	<b>6</b>				
		3 • Series 3 4 • Series 4	<b>7</b>				
		1 • Series 1**	<b>8</b>				

\*\* Fittings not available for 8 in. side rail series 1.

\*\*\* For load CSA Class C/3M, NEMA 8C or less, please see an alternative ventilated series of cable tray called - One-Piece found on pages A160 to A191 of this catalogue.

† For series 76, 47 and 18 only.

## Straight Lengths

### 4 in. Straight Sections / Series 1-4

Ladder, ventilated and solid trough

### Straight Section Number Selection

**(AH1-4) 24-L09-144**

Material Prefix	Style Prefix	Series	Side Rail Height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	1 • Series 1 **	<b>4</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 (6 in. rung spacing) L09 (9 in. rung spacing) L12 (12 in. rung spacing) V (ventilated) *** S (solid trough)	144 (12 ft.) 288 (24 ft.) 3 (3 meters) 6 (6 meters)

\*\* Series 1 is available in 12 ft. or less.

\*\*\* For load CSA Class C/3M, NEMA 8C or less, please see an alternative ventilated series of cable tray called - One-Piece found on pages A160 to A191 of this catalogue.

### Technical Specifications

All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection can be calculated by multiplying the load by the deflection factor.

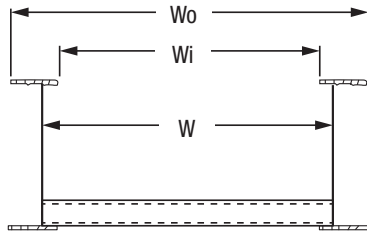
For Fittings consult pages A50 to A91.

Series		Support Span (Feet)							
		6	8	10	12	14	16	18	20
<b>AH1-4</b>	Load (lb.)/ft.)	252	142	91	63	-	-	-	-
	Deflection (in.)	0.284	0.506	0.790	1.138	-	-	-	-
	Deflection Factor	0.001	0.004	0.009	0.018	-	-	-	-

## Straight Lengths

### 4 in. Straight Sections / Series 1-4

Ladder, ventilated and solid trough



### Dimensions

AH1-4		
W (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86
9	11.86	7.86
12	14.86	10.86
18	20.86	16.86
24	26.86	22.86
30	32.86	28.86
36	38.86	34.86
42	44.86	40.86

### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH1-4</b>		$I_x = 2.58 \text{ in.}^4$ $S_x = 1.224 \text{ in.}^3$ Area = $0.968 \text{ in.}^2$	12B, 8C	C/3 m	UL cross sectional Area : $0.60 \text{ in.}^2$

## Straight Lengths

### 4 in. Straight Sections / Series 3-4, 5-4

Ladder, ventilated and solid trough

### Straight Section Number Selection

<b>(AH5-4) 24-L09-144</b>						
Material	Style	Series	Side Rail Height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	3 • Series 3 5 • Series 5	<b>4</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 • 6 in. rung spacing L09 • 9 in. rung spacing L12 • 12 in. rung spacing V • Ventilated S • Solid trough	144 • (12 ft.) 288 • (24 ft.) 3 • (3 meters) 6 • (6 meters)

### Technical Specifications

All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

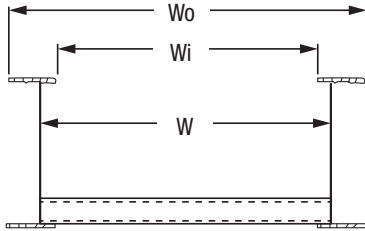
For Fittings consult pages A50 to A91.

Series		Support Span (Feet)							
		6	8	10	12	14	16	18	20
<b>AH3-4</b>	Load (lb./ft.)	533	300	192	133	98	75	59	48
	Deflection (in.)	0.446	0.792	1.238	1.782	2.426	3.169	4.011	4.951
	Deflection Factor	0.001	0.003	0.006	0.013	0.025	0.043	0.068	0.103
<b>AH5-4</b>	Load (lb./ft.)	867	488	312	217	159	122	96	78
	Deflection (in.)	0.474	0.843	1.317	1.897	2.581	3.372	4.267	5.268
	Deflection Factor	0.001	0.002	0.004	0.009	0.016	0.028	0.044	0.068

## Straight Lengths

### 4 in. Straight Sections / Series 3-4, 5-4

Ladder, ventilated and solid trough



### Dimensions

W (in.)	AH3-4		AH5-4	
	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86	8.86	4.86
9	11.86	7.86	11.86	7.86
12	14.86	10.86	14.86	10.86
18	20.86	16.86	20.86	16.86
24	26.86	22.86	26.86	22.86
30	32.86	28.86	32.86	28.86
36	38.86	34.86	38.86	34.86
42	44.86	40.86	44.86	40.86

### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH3-4</b>		$I_x = 3.49 \text{ in.}^4$ $S_x = 1.64 \text{ in.}^3$ Area = 1.28 in. <sup>2</sup>	12C,16B	D/6 m	UL cross sectional Area : 1.00 in. <sup>2</sup>
<b>AH5-4</b>		$I_x = 5.33 \text{ in.}^4$ $S_x = 2.36 \text{ in.}^3$ Area = 1.93 in. <sup>2</sup>	20B,16C	E/6 m	UL cross sectional Area : 1.50 in. <sup>2</sup>

## Straight Lengths

### 5 in. Straight Sections / Series 2-5, 4-5

Ladder, ventilated and solid trough

### Straight Section Number Selection

<b>(AH2-5) 24-L09-144</b>						
Material Prefix	Style Prefix	Series	Side rail height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	2 • Series 2 4 • Series 4	<b>5</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 • 6 in. rung spacing L09 • 9 in. rung spacing L12 • 12 in. rung spacing V • Ventilated S • Solid trough	144 • (12 ft.) 288 • (24 ft.) 3 • (3 meters) 6 • (6 meters)

### Technical Specifications

All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

For Fittings consult pages A50 to A91.

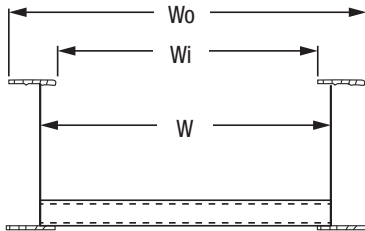
Series		Support Span (Feet)							
		6	8	10	12	14	16	18	20
<b>AH2-5</b>	Load (lb./ft.)	511	288	184	128	94	72	57	46
	Deflection (in.)	0.277	0.493	0.771	1.110	1.510	1.973	2.497	3.083
	Deflection Factor	0.001	0.002	0.004	0.009	0.016	0.027	0.044	0.067
<b>AH4-5</b>	Load (lb./ft.)	862	488	312	217	159	122	96	78
	Deflection (in.)	0.327	0.582	0.909	1.308	1.781	2.326	2.944	3.634
	Deflection Factor	0.0004	0.001	0.003	0.006	0.012	0.020	0.032	0.049



## Straight Lengths

### 5 in. Straight Sections / Series 2-5, 4-5

Ladder, ventilated and solid trough



### Dimensions

W (in.)	AH2-5		AH4-5	
	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86	8.86	4.86
9	11.86	7.86	11.86	7.86
12	14.86	10.86	14.86	10.86
18	20.86	16.86	20.86	16.86
24	26.86	22.86	26.86	22.86
30	32.86	28.86	32.86	28.86
36	38.86	34.86	38.86	34.86
42	44.86	40.86	44.86	40.86

### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH2-5</b>		$I_x = 5.372 \text{ in.}^4$ $S_x = 2.016 \text{ in.}^3$ Area = $1.38 \text{ in.}^2$	12C, 16A	D/6 m	UL cross sectional Area : $1.00 \text{ in.}^2$
<b>AH4-5</b>		$I_x = 7.726 \text{ in.}^4$ $S_x = 2.92 \text{ in.}^3$ Area = $1.94 \text{ in.}^2$	20B	E/6 m	UL cross sectional Area : $1.50 \text{ in.}^2$

## Straight Lengths

### 6 in. Straight Sections / Series 1-6, 3-6

Ladder, ventilated and solid trough

### Straight Section Number Selection

<b>(AH1-6) 24-L09-144</b>						
Material Prefix	Style Prefix	Series	Side rail height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	1 • Series 1 3 • Series 3	<b>6</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 • 6 in. rung spacing L09 • 9 in. rung spacing L12 • 12 in. rung spacing V • Ventilated ** S • Solid trough	144 • (12 ft.) 288 • (24 ft.) 3 • (3 meters) 6 • (6 meters)

\*\* For load ratings of CSA Class C/NEMA 8C or less, please see an alternative ventilated series of cable tray called - One-Piece found on pages A160 to A191 of this catalogue.

### Technical Specifications

All calculations and data are based on 36 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

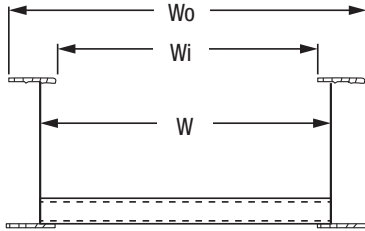
For Fittings consult pages A50 to A91.

Series		Support Span (Feet)							
		6	8	10	12	14	16	18	20
<b>AH1-6</b>	Load (lb./ft.)	511	288	184	128	94	72	57	46
	Deflection (in.)	0.171	0.304	0.476	0.685	0.932	1.218	1.541	1.903
	Deflection Factor	0.0004	0.001	0.003	0.005	0.010	0.017	0.028	0.041
<b>AH3-6</b>	Load (lb./ft.)	889	500	320	222	163	125	99	80
	Deflection (in.)	0.203	0.360	0.563	0.810	1.103	1.440	1.823	2.250
	Deflection Factor	0.0002	0.001	0.002	0.004	0.006	0.011	0.018	0.027

## Straight Lengths

### 6 in. Straight Sections / Series 1-6, 3-6

Ladder, ventilated and solid trough



### Dimensions

W (in.)	AH1-6		AH3-6	
	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86	8.86	4.86
9	11.86	7.86	11.86	7.86
12	14.86	10.86	14.86	10.86
18	20.86	16.86	20.86	16.86
24	26.86	22.86	26.86	22.86
30	32.86	28.86	32.86	28.86
36	38.86	34.86	38.86	34.86
42	44.86	40.86	44.86	40.86

### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH1-6</b>		$I_x = 8.702 \text{ in.}^4$ $S_x = 2.706 \text{ in.}^3$ Area = $1.55 \text{ in.}^2$	12C, 16A	D/6 M	UL cross sectional Area : $1.00 \text{ in.}^2$
<b>AH3-6</b>		$I_x = 12.798 \text{ in.}^4$ $S_x = 3.77 \text{ in.}^3$ Area = $2.072 \text{ in.}^2$	20B	E/6 M	UL cross sectional Area : $2.00 \text{ in.}^2$

## Straight Lengths

### 6 in. Straight Sections / Series 4-6, 5-6, 6-6, 7-6

Ladder, ventilated and solid trough

### Straight Section Number Selection

<b>(AH5-6) 24-L09-144</b>						
Material Prefix	Style Prefix	Series	Side Rail Height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	4 • Series 4 5 • Series 5 6 • Series 6 7 • Series 7	<b>6</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 • 6 in. rung spacing L09 • 9 in. rung spacing L12 • 12 in. rung spacing V • Ventilated S • Solid trough	144 • (12 ft.) 288 • (24 ft.) 3 • (3 meters) 6 • (6 meters)

### Technical Specifications

All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

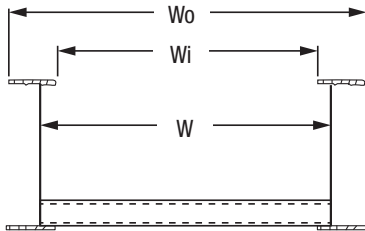
For Fittings consult pages A50 to A91.

Series		Support Span (Feet)												
		6	8	10	12	14	16	18	20	22	24	26	28	30
<b>AH4-6</b>	Load (lb./ft.)	1144	644	412	286	210	161	127	103	–	–	–	–	–
	Deflection (in.)	0.242	0.430	0.673	0.968	1.318	1.722	2.179	2.690	–	–	–	–	–
	Deflection Factor	0.0002	0.001	0.002	0.003	0.006	0.011	0.017	0.026	–	–	–	–	–
<b>AH5-6</b>	Load (lb./ft.)	–	769	492	342	251	192	152	123	–	–	–	–	–
	Deflection (in.)	–	0.452	0.707	1.018	1.386	1.810	2.290	2.828	–	–	–	–	–
	Deflection Factor	–	0.001	0.001	0.003	0.006	0.009	0.015	0.023	–	–	–	–	–
<b>AH6-6</b>	Load (lb./ft.)	–	1075	688	478	351	269	212	172	126	106	91	78	68
	Deflection (in.)	–	0.525	0.821	1.182	1.609	2.102	2.660	3.284	3.536	4.208	4.938	5.727	6.575
	Deflection Factor	–	0.0005	0.001	0.002	0.005	0.008	0.013	0.019	0.028	0.040	0.055	0.073	0.097
<b>AH7-6</b>	Load (lb./ft.)	–	–	–	–	–	–	208	169	139	117	100	86	75
	Deflection (in.)	–	–	–	–	–	–	2.241	2.767	3.348	3.985	4.676	5.424	6.226
	Deflection Factor	–	–	–	–	–	–	0.011	0.016	0.024	0.034	0.047	0.063	0.083

## Straight Lengths

### 6 in. Straight Sections / Series 4-6, 5-6, 6-6, 7-6

Ladder, ventilated and solid trough



### Dimensions

	AH4-6		AH5-6		AH6-6		AH7-6	
W (in.)	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86	8.86	4.86	8.86	4.86	8.86	4.86
9	11.86	7.86	11.86	7.86	11.86	7.86	11.86	7.86
12	14.86	10.86	14.86	10.86	14.86	10.86	14.86	10.86
18	20.86	16.86	20.86	16.86	20.86	16.86	20.86	16.86
24	26.86	22.86	26.86	22.86	26.86	22.86	26.86	22.86
30	32.86	28.86	32.86	28.86	32.86	28.86	32.86	28.86
36	38.86	34.86	38.86	34.86	38.86	34.86	38.86	34.86
42	44.86	40.86	44.86	40.86	44.86	40.86	44.86	40.86

### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH4-6</b>		$I_x = 13.78 \text{ in.}^4$ $S_x = 4.05 \text{ in.}^3$ Area = 2.32 in. <sup>2</sup>	20C	Exceeds E/6M	UL cross sectional Area : 2.00 in. <sup>2</sup>
<b>AH5-6</b>		$I_x = 15.66 \text{ in.}^4$ $S_x = 4.64 \text{ in.}^3$ Area = 2.68 in. <sup>2</sup>	Exceeds 20C	Exceeds E/6M	UL cross sectional Area : 2.00 in. <sup>2</sup>
<b>AH6-6</b>		$I_x = 18.854 \text{ in.}^4$ $S_x = 5.53 \text{ in.}^3$ Area = 3.25 in. <sup>2</sup>	Exceeds 20C	Exceeds E/6M	UL cross sectional Area : 2.00 in. <sup>2</sup>
<b>AH7-6</b>		$I_x = 21.96 \text{ in.}^4$ $S_x = 6.31 \text{ in.}^3$ Area = 3.82 in. <sup>2</sup>	Exceeds 20C	Exceeds E/6M	UL cross sectional Area : 2.00 in. <sup>2</sup>

## Straight Lengths

7 in. and 8 in. Straight Sections

Series 3-7, 4-7, 1-8

Ladder, ventilated and solid trough

### Straight Section Number Selection

<b>(AH3-7) 24-L09-144</b>						
Material	Style	Series	Side Rail Height (in.)	Width	Bottom Type	Length
A • Aluminum	H • H-Beam	3 • Serie 3	<b>7</b>	06 • (6 in.) 09 • (9 in.) 12 • (12 in.) 18 • (18 in.) 24 • (24 in.) 30 • (30 in.) 36 • (36 in.) 42 • (42 in.)	L06 • 6 in. rung spacing L09 • 9 in. rung spacing L12 • 12 in. rung spacing V • Ventilated S • Solid trough	144 • (12 ft.) 288 • (24 ft.) 3 • (3 meters) 6 • (6 meters)

### Technical Specifications

All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

For Fittings consult pages A50 to A91.

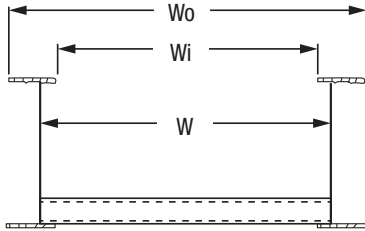
Series		Support Span (Feet)												
		6	8	10	12	14	16	18	20	22	24	26	28	30
<b>AH3-7</b>	Load (lb./ft.)	–	825	528	367	269	206	163	132	97	81	–	–	–
	Deflection (in.)	–	0.299	0.468	0.673	0.916	1.197	1.515	1.870	2.009	2.391	–	–	–
	Deflection Factor	–	0.0004	0.001	0.002	0.003	0.006	0.009	0.014	0.021	0.029	–	–	–
<b>AH4-7</b>	Load (lb./ft.)	–	–	–	–	–	–	300	243	201	169	144	124	108
	Deflection (in.)	–	–	–	–	–	–	1.925	2.376	2.876	3.422	4.016	4.658	5.347
	Deflection Factor	–	–	–	–	–	–	0.006	0.010	0.014	0.020	0.028	0.038	0.050
<b>AH1-8</b>	Load (lb./ft.)	–	–	–	–	–	–	528	428	353	297	253	218	190
	Deflection (in.)	–	–	–	–	–	–	2.136	2.637	3.191	3.797	4.457	5.169	5.933
	Deflection Factor	–	–	–	–	–	–	0.004	0.006	0.009	0.013	0.018	0.024	0.031

## Straight Lengths

### 7 in. and 8 in. Straight Sections

#### Series 3-7, 4-7, 1-8

Ladder, ventilated and solid trough



### Dimensions

W (in.)	AH3-7		AH4-7		AH1-8	
	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)	Wo (in.)	Wi (in.)
6	8.86	4.86	8.86	4.86	7.82	1.82
9	11.86	7.86	11.86	7.86	10.82	4.82
12	14.86	10.86	14.86	10.86	13.82	7.82
18	20.86	16.86	20.86	16.86	19.82	13.82
24	26.86	22.86	26.86	22.86	25.82	19.82
30	32.86	28.86	32.86	28.86	31.82	25.82
36	38.86	34.86	38.86	34.86	37.82	31.82
42	44.86	40.86	44.86	40.86	43.82	37.82



### Technical Specifications

**LOAD RATINGS:** 1.5 Safety factor. All tray sections will support an additional 200 lb. concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Series	Dimensions	Side Rail Design Factors • 1 Pair	Classifications		
			NEMA	CSA	UL
<b>AH3-7</b>		$I_x = 25.41 \text{ in.}^4$ $S_x = 6.46 \text{ in.}^3$ Area = $3.30 \text{ in.}^2$	Exceeds <b>20C</b>	Exceeds <b>E/6M</b>	UL cross sectional Area : $2.00 \text{ in.}^2$
<b>AH4-7</b>		$I_x = 36.81 \text{ in.}^4$ $S_x = 9.08 \text{ in.}^3$ Area = $4.63 \text{ in.}^2$	Exceeds <b>20C</b>	Exceeds <b>E/6M</b>	UL cross sectional Area : $2.00 \text{ in.}^2$
<b>AH1-8</b>		$I_x = 58.36 \text{ in.}^4$ $S_x = 13.37 \text{ in.}^3$ Area = $5.86 \text{ in.}^2$	Exceeds <b>20C</b>	Exceeds <b>E/6M</b>	UL cross sectional Area : $2.00 \text{ in.}^2$