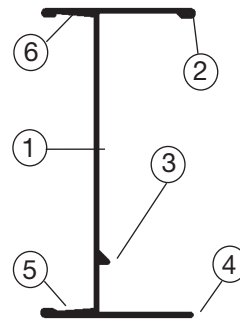


Aluminum Cable Ladder, Series 2, 3 & 4

Side Rails

B-Line I-Beam -- the most efficient structural shape

Constructed with "Copper-free" 6063-T6 Aluminum Alloy



1. **I-beam side rail design**
 - maximize strength-to-weight ratio
2. **Added material to top flange to increase cable ladder stiffness**
3. **Weld bead**
 - positive rung support
 - added material disperses heat
4. **Bottom flange inside**
 - positive rung support
5. **Bottom flange outside**
 - strong lower flange for hold down clamps and expansion guides
6. **Top flange outside**
 - strong upper flange for securing the ladder cover or the conduit-to-ladder adapter

Rungs

The rungs can represent 40% of your cable ladder system.



Rung A Standard for widths through 24"

The 24" width supports 589 lbs. with safety factor 1.5

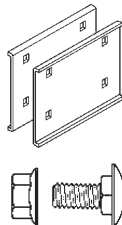
Rung B Standard for widths greater than 24"

The 36" width supports 487 lbs. with safety factor 1.5

- For industrial applications -- 200 lb. concentrated loads
- New P-Rung design allows P-Clamp cable fastening at any location.

Splices

Unique Wedge Lock splice system:



- Channel-shaped for extra strength
- Snaps into the side rail
- Positions and holds for bolting, a labor-saving feature
- Four bolt pattern reduces installation time
- 316 Stainless Steel available

Fittings

Surpasses NEMA VE 1 requirements
3" straight tangents for splice integrity

200 lb. Concentrated Load

Rungs and side rail engineered to support a 200 lb. concentrated load plus cable load

Series 2, 3, 4, & 5 Aluminum Cable Ladder

3" NEMA VE 1 Loading Depth
4" Side Rail Height

Straight Section Part Numbering

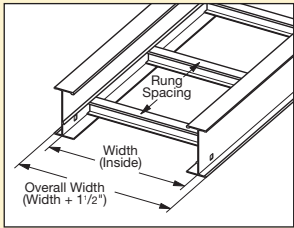
Prefix

Example: 24 A 09 - 24 - 144

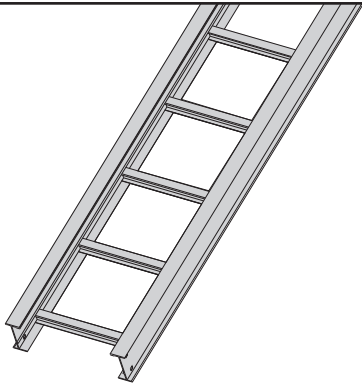
Series	Material	*Type	*Width	Length
24	A = Aluminum	Ladder-	06 = 6"	① 144 = 12 ft.
34		06 = 6" rung spacing	09 = 9"	② 120 = 10 ft.
		09 = 9" rung spacing	12 = 12"	① 240 = 20 ft.
		12 = 12" rung spacing	18 = 18"	② 144 = 12 ft.
			24 = 24"	
			30 = 30"	
			36 = 36"	
		Trough-		
		6" thru 36" wide		
		VT = Vented Trough		
		ST = Non-Ventilated Trough		



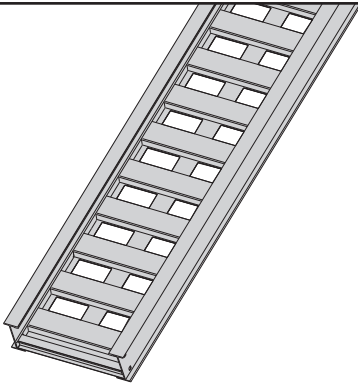
①Primary Length.
②Secondary Length.



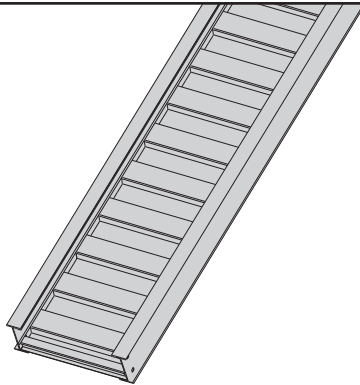
See page MIS-2 for additional rung options. *Special sizes available.



Ladder Type
(Specify Rung Spacing)



Ventilated Trough



Non-Ventilated Trough

Aluminum

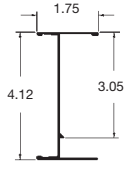
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Dimensional & Loading Information

3" NEMA VE 1 Loading Depth 4" Side Rail Height

Values are based on simple beam tests per NEMA VE 1 on 36" wide cable ladder with rungs spaced on 12" centers. Cable ladders will support without collapse a 200 lb. (90.7 kg) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable ladder must be supported on spans shorter than or equal to the length of the cable ladder being installed.

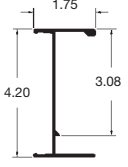
Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page CLS-13 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
24		NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area: 1.00 in ²	6	487*	0.001	Area=1.05 in ² Sx=1.34 in ³ Ix=2.85 in ⁴	1.8	725*	0.017	Area=6.77 cm ² Sx=21.96 cm ³ Ix=118.63 cm ⁴
			8	284	0.003		2.4	422	0.055	
			10	181	0.008		3.0	270	0.135	
			12	126	0.016		3.7	187	0.279	
			14	93	0.030		4.3	138	0.518	
			16	71	0.052		4.9	105	0.883	

When ladders are used in continuous spans, the deflection of the ladder is reduced by as much as 50%.

Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

* When using 18" rung spacing, load capacity is limited to 394 lbs/ft (586.27 kg/m) for 30" ladder width and 325 lbs/ft (483.6 kg/m) for 36" ladder width.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
34		NEMA: 20B, 16C CSA: E-6m UL Cross-Sectional Area: 1.50 in ²	10	320	0.005	Area=1.82 in ² Sx=2.10 in ³ Ix=4.98 in ⁴	3.0	476	0.077	Area=11.74 cm ² Sx=34.41 cm ³ Ix=207.28 cm ⁴
			12	222	0.009		3.7	331	0.160	
			14	163	0.017		4.3	243	0.296	
			16	125	0.030		4.9	186	0.505	
			18	99	0.047		5.5	147	0.810	
			20	80	0.072		6.1	119	1.234	

When ladders are used in continuous spans, the deflection of the tray is reduced by as much as 50%.

Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

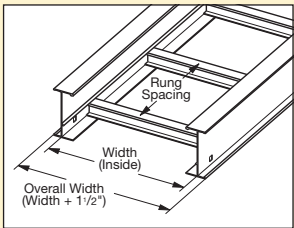
4" NEMA VE 1 Loading Depth
5" Side Rail Height

Straight Section Part Numbering

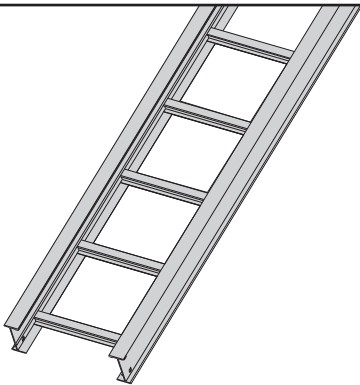
Prefix

Example: 25 A 09 - 24 - 144

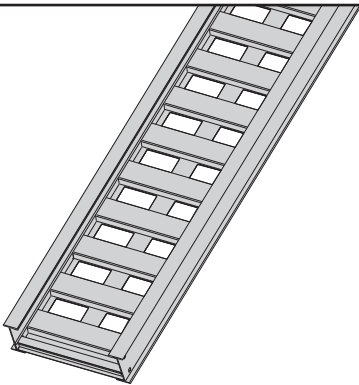
Series	Material	*Type	*Width	Length
25	A = Aluminum	Ladder-	06 = 6"	① 144 = 12 ft. 25
		06 = 6" rung spacing	09 = 9"	② 240 = 20 ft.
35		09 = 9" rung spacing	12 = 12"	① 240 = 20 ft. 35
		12 = 12" rung spacing	18 = 18"	② 144 = 12 ft.
			24 = 24"	
			30 = 30"	
			36 = 36"	
		Trough-		①Primary Length.
		6" thru 36" wide		②Secondary Length.
		VT = Vented Trough		
		ST = Non-Ventilated Trough		



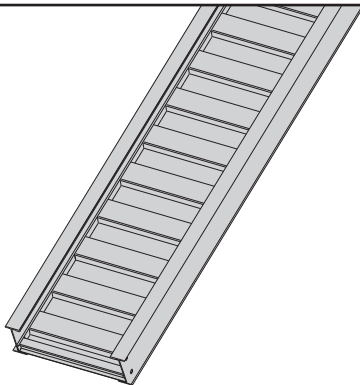
See page MIS-2 for additional rung options. *Special sizes available.



Ladder Type
(Specify Rung Spacing)



Vented Trough



Non-Ventilated Trough

Aluminum

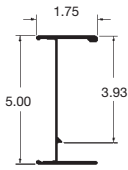
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Dimensional & Loading Information

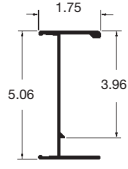
4" NEMA VE 1 Loading Depth 5" Side Rail Height

Values are based on simple beam tests per NEMA VE 1 on 36" wide cable ladder with rungs spaced on 12" centers. Cable ladders will support without collapse a 200 lb. (90.7 kg) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable ladder must be supported on spans shorter than or equal to the length of the cable ladder being installed.

Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page CLS-13 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
25		NEMA: 20A, 12C CSA: D1-6m UL Cross-Sectional Area: 1.00 in ²	10	200	0.0049	Area=1.24 in ² Sx=1.80 in ³ Ix=4.62 in ⁴	3.0	298	0.083	Area=8.00 cm ² Sx=29.50 cm ³ Ix=192.30 cm ⁴
			12	139	0.010		3.7	207	0.172	
			14	102	0.019		4.3	152	0.319	
			16	78	0.032		4.9	116	0.545	
			18	62	0.051		5.5	92	0.873	
			20	50	0.078		6.1	74	1.330	

When ladders are used in continuous spans, the deflection of the ladder is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
35		NEMA: 20B, 16C CSA: E-3m UL Cross-Sectional Area: 1.50 in ²	10	310	0.0035	Area=1.67 in ² Sx=2.35 in ³ Ix=6.37 in ⁴	3.0	461	0.060	Area=10.77 cm ² Sx=38.51 cm ³ Ix=265.14 cm ⁴
			12	215	0.0073		3.7	320	0.125	
			14	158	0.014		4.3	235	0.232	
			16	121	0.023		4.9	180	0.395	
			18	96	0.037		5.5	142	0.633	
			20	77	0.057		6.1	115	0.965	

When ladders are used in continuous spans, the deflection of the ladder is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

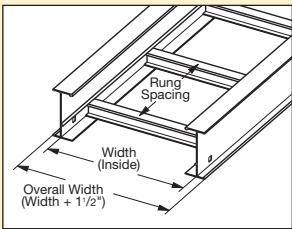
5" NEMA VE 1 Loading Depth
6" Side Rail Height

Straight Section Part Numbering

Prefix

Example: 26 A 09 - 24 - 144

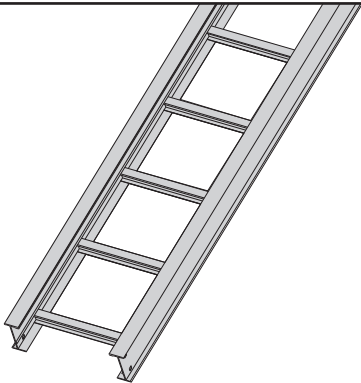
Series	Material	*Type	*Width	Length
26	A = Aluminum	Ladder-	06 = 6"	① 144 = 12 ft. 26
		06 = 6" rung spacing	09 = 9"	② 240 = 20 ft.
36		09 = 9" rung spacing	12 = 12"	① 240 = 20 ft. 36
		12 = 12" rung spacing	18 = 18"	② 144 = 12 ft.
46			24 = 24"	① 240 = 20 ft. 46
			30 = 30"	② 288 = 24 ft.
H46†		Trough-	36 = 36"	① 240 = 20 ft. H46
		6" thru 36" wide		② 300 = 25 ft.
		VT = Vented Trough		
		ST = Non-Ventilated Trough		



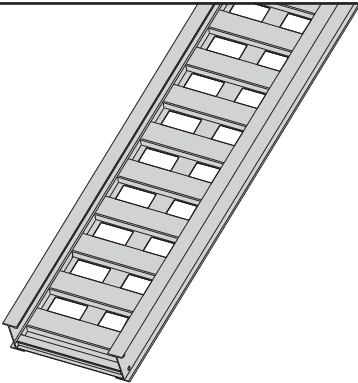
† H46A only available in ladder type 9" and 12" rung spacing.

①Primary Length.
②Secondary Length.

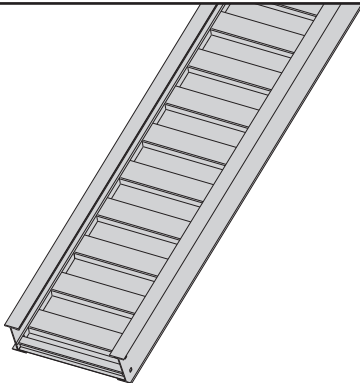
See page MIS-2 for additional rung options. *Special sizes available.



Ladder Type
(Specify Rung Spacing)



Ventilated Trough



Non-Ventilated Trough

Dimensions in parentheses are in millimeters unless otherwise specified.

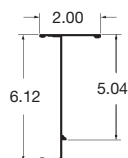
Series 2, 3, 4, & 5 Aluminum Cable Ladder

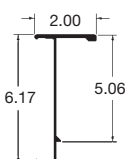
Dimensional & Loading Information

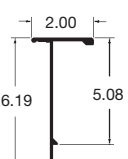
5" NEMA VE 1 Loading Depth 6" Side Rail Height

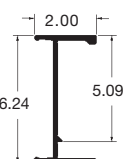
Values are based on simple beam tests per NEMA VE 1 on 36" wide cable ladder with rungs spaced on 12" centers. Cable ladders will support, without collapse, a 200 lb. (90.7 kg) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable ladder must be supported on spans shorter than or equal to the length of the cable ladder being installed.

Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page CLS-13 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
26		NEMA: 20A, 16B CSA: D1-6m UL Cross-Sectional Area: 1.00 in ²	10	204	0.0028	Area=1.41 in ² Sx=2.53 in ³ Ix=7.915 in ⁴	3.0	304	0.049	Area=9.10 cm ² Sx=41.46 cm ³ Ix=329.45 cm ⁴
			12	142	0.006		3.7	211	0.101	
			14	104	0.011		4.3	155	0.186	
			16	80	0.019		4.9	119	0.318	
			18	63	0.030		5.5	94	0.509	
			20	51	0.045		6.1	76	0.776	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
36		NEMA: 20B, 16C CSA: E-6m UL Cross-Sectional Area: 1.50 in ²	12	233	0.0043	Area=1.81 in ² Sx=3.36 in ³ Ix=10.85 in ⁴	3.7	347	0.073	Area=11.68 cm ² Sx=55.06 cm ³ Ix=451.61 cm ⁴
			14	171	0.008		4.3	255	0.136	
			16	131	0.014		4.9	195	0.232	
			18	104	0.022		5.5	154	0.372	
			20	84	0.033		6.1	125	0.566	
			22	69	0.049		6.7	103	0.829	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
46		NEMA: 20C CSA: E-6m UL Cross-Sectional Area: 1.50 in ²	14	210	0.0071	Area=2.06 in ² Sx=3.59 in ³ Ix=12.18 in ⁴	4.3	313	0.121	Area=13.29 cm ² Sx=58.83 cm ³ Ix=506.97 cm ⁴
			16	161	0.012		4.9	239	0.207	
			18	127	0.019		5.5	189	0.331	
			20	103	0.030		6.1	153	0.505	
			22	85	0.043		6.7	127	0.739	
			24	72	0.061		7.3	106	1.046	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
H46		NEMA: 20C+ CSA: 131 ^{kg} /m 7.6m UL Cross-Sectional Area: 2.00 in ²	16	261	0.0085	Area=2.95 in ² Sx=5.33 in ³ Ix=17.30 in ⁴	4.9	388	0.145	Area=19.03 cm ² Sx=87.34 cm ³ Ix=720.08 cm ⁴
			18	206	0.014		5.5	307	0.233	
			20	167	0.021		6.1	248	0.355	
			22	138	0.030		6.7	205	0.520	
			24	116	0.043		7.3	173	0.737	
			25	88	0.051		7.6	131	0.867	

When ladders are used in continuous spans, the deflection of the ladder is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

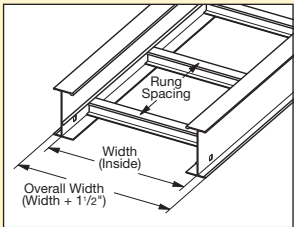
6" NEMA VE 1 Loading Depth
7" Side Rail Height

Straight Section Part Numbering

Prefix

Example: 37 A 09 - 24 - 240

Series	Material	*Type	*Width	Length
37	A = Aluminum	Ladder-	06 = 6"	① 240 = 20 ft. 37
47		06 = 6" rung spacing	09 = 9"	② 144 = 12 ft. 47
H47†		09 = 9" rung spacing	12 = 12"	① 240 = 20 ft. H47
57†		12 = 12" rung spacing	18 = 18"	② 288 = 24 ft. 57
			24 = 24"	① 240 = 20 ft.
			30 = 30"	② 300 = 25 ft.
			36 = 36"	① 360 = 30 ft.
				② 300 = 25 ft.



Trough-

6" thru 36" wide

VT = Vented Trough

ST = Non-Ventilated Trough

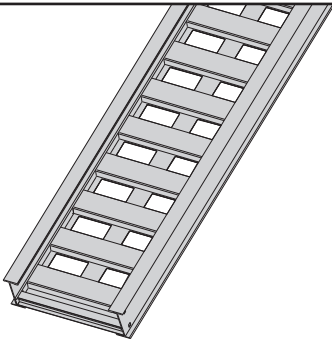
† H47A & 57A only available in ladder type 9" and 12" rung spacing.

①Primary Length.
②Secondary Length.

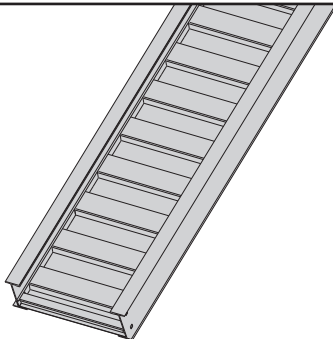
See page MIS-2 for additional rung options. *Special sizes available.



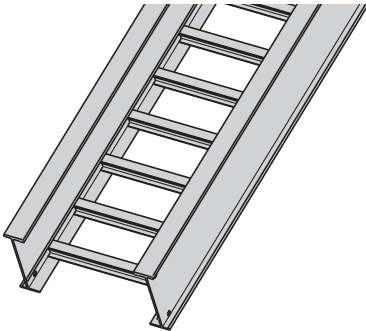
Ladder Type
(Specify Rung Spacing)



Vented Trough



Non-Ventilated Trough



57A available in
(9" & 12" rung spacing in
12" to 36" widths)

Aluminum

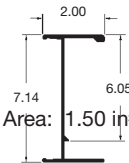
Series 2, 3, 4, & 5 Aluminum Cable Ladder

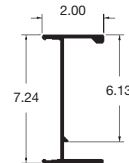
Dimensional & Loading Information

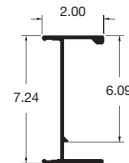
6" NEMA VE 1 Loading Depth 7" Side Rail Height

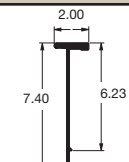
Values are based on simple beam tests per NEMA VE 1 on 36" wide cable ladder with rungs spaced on 12" centers. Cable ladders will support without collapse a 200 lb. (90.7 kg) concentrated load over and above published loads. Published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable ladder must be supported on spans shorter than or equal to the length of the cable ladder being installed.

Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads. See table on page CLS-13 for rung capacities.

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
37		NEMA: 20B, 16C CSA: 106 ^{kg} /m 6.1m UL Cross-Sectional	12	222	0.0035	Area=1.81 in² Sx=3.77 in³ Ix=13.50 in⁴	3.7	331	0.059	Area=11.68 cm² Sx=61.78 cm³ Ix=561.91 cm⁴
			14	163	0.0064		4.3	243	0.109	
			16	125	0.011		4.9	186	0.186	
			18	99	0.017		5.5	147	0.299	
			20	80	0.027		6.1	119	0.455	
			22	66	0.039		6.7	98	0.666	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
47		NEMA: 20C CSA: 142 ^{kg} /m 6.1m UL Cross-Sectional Area: 2.00 in²	14	204	0.0048	Area=2.38 in² Sx=4.94 in³ Ix=17.88 in⁴	4.3	304	0.083	Area=15.35 cm² Sx=80.95 cm³ Ix=744.22 cm⁴
			16	156	0.0082		4.9	233	0.141	
			18	123	0.0132		5.5	184	0.225	
			20	100	0.0201		6.1	149	0.344	
			22	83	0.0295		6.7	123	0.503	
			24	69	0.0418		7.3	103	0.713	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
H47		NEMA: 20C+ CSA: 241 ^{kg} /m 6.1m UL Cross-Sectional Area: 2.00 in²	16	233	0.0064	Area=3.04 in² Sx=6.10 in³ Ix=22.91 in⁴	4.9	346	0.110	Area=19.61 cm² Sx=99.96 cm³ Ix=953.59 cm⁴
			18	184	0.010		5.5	274	0.176	
			20	149	0.016		6.1	222	0.268	
			22	123	0.023		6.7	183	0.393	
			24	103	0.033		7.3	154	0.556	
			25	95	0.038		7.6	142	0.655	

B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
57		NEMA: 20C+ CSA: 152 ^{kg} /m 9.1m UL Cross-Sectional Area: 2.00 in²	20	232	0.011	Area=4.22 in² Sx=7.73 in³ Ix=32.86 in⁴	6.1	345	0.187	Area=27.23 cm² Sx=126.67 cm³ Ix=1367.74 cm⁴
			22	192	0.016		6.7	285	0.274	
			24	161	0.023		7.3	240	0.388	
			26	136	0.031		7.9	202	0.534	
			28	117	0.042		8.5	174	0.718	
			30	102	0.055		9.1	152	0.947	

Aluminum

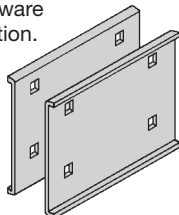
When ladders are used in continuous spans, the deflection of the ladder is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Wedge Lock Splice Plates (Excluding H46, H47 & 57 Series)

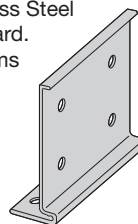
- Standard 4-hole pattern (except 9A-1007).
- Furnished in pairs, with hardware.
- One pair including hardware provided with each section.
- Boxed in pairs with hardware.
- For field installation drill $\frac{13}{32}$ " hole.



Catalog No.	Height	
	in.	mm
9A-1004	4	101
9A-1005	5	127
9A-1006	6	152
9A-1007	7	178

H46A, H47A and 57A Mid-Span Splice

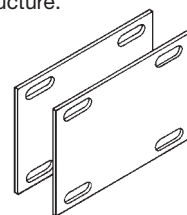
- Standard for H46A, H47A and 57A straight sections.
- Six bolt design $\frac{1}{2}$ " Stainless Steel Type 316 hardware standard.
- Available on ladder bottoms only. 09 and 12" rung spacing.



Ladder Series	Catalog No.
H46A	9A-6006
H47A, 57A	9A-6007

Expansion Splice Plates

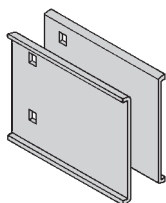
- Expansion plates allow for one inch expansion or contraction of the cable ladder, or where expansion joints occur in the supporting structure.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required on each siderail.** Order Separately.



Catalog No.	Height	
	in.	mm
9A-1014	4	101
9A-1015	5	127
9A-1016	6	152
9A-1017	7	178

Universal Splice Plates

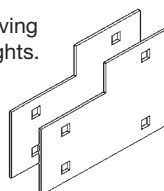
- Used to splice to existing cable ladder systems.
- Furnished in pairs with hardware.



Catalog No.	Height	
	in.	mm
9A-1004- $\frac{1}{2}$	4	101
9A-1005- $\frac{1}{2}$	5	127
9A-1006- $\frac{1}{2}$	6	152
9A-1007- $\frac{1}{2}$	7	178

Step Down Splice Plates

- These splice plates are offered for connecting cable ladder sections having side rails of different heights.
- Furnished in pairs with hardware.

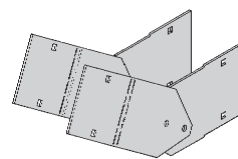


Catalog No.	Height	
	in.	mm
9A-1045	5 to 4	127 to 101
9A-1046	6 to 4	152 to 101
9A-1060	6 to 5	152 to 127
9A-1047	7 to 4	178 to 101
9A-1061	7 to 5	178 to 127
9A-1062	7 to 6	178 to 152

Vertical Adjustable Splice Plates

- These plates provide for changes in elevation that do not conform to standard vertical fittings.
- Furnished in pairs with hardware.
- **Bonding Jumper not required.**

Requires supports within 24" on both sides, per NEMA VE 2.



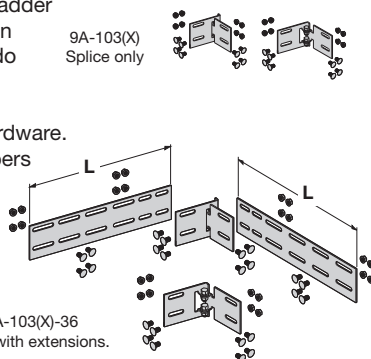
Catalog No.	Height	
	in.	mm
9A-1024	4	101
9A-1025	5	127
9A-1026	6	152
9A-1027	7	178

Horizontal Adjustable

- Offered to adjust a cable ladder run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.
- (X) Insert 4, 5, 6 or 7 for side rail height.

Splice Plates

9A-103(X)
Splice only



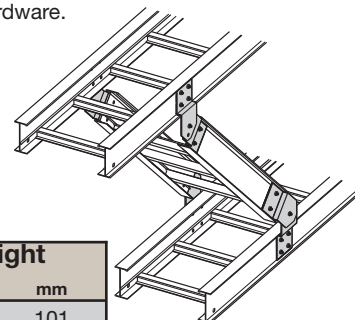
9A-103(X)-12 or 9A-103(X)-36
One pair splice plates with extensions.

Catalog No.	Ladder End Cut	Ladder Width	'L'
9A-103(X)	Mitered	Thru 36"	N/A
9A-103(X)-12	Not mitered	Thru 12"	16"
9A-103(X)-36	Not mitered	Thru 36"	41"

Requires supports within 24" on both sides, per NEMA VE 2.

Branch Pivot Connectors

- Branch from existing cable ladder runs at any point.
- Pivot to any required angle.
- UL Classified for grounding (bonding jumper not required).
- Furnished in pairs with hardware.

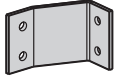


Catalog No.	Height	
	in.	mm
9A-2044	4	101
9A-2045	5	127
9A-2046	6	152
9A-2047	7	178

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Cross Connector Bracket

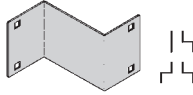
- For field connecting crossing section.
- Furnished in pairs with $\frac{3}{8}$ " hardware.



Catalog No. 9A-1240

Offset Reducing Splice Plate

- This plate is used for joining cable ladders having different widths. When used in pairs they form a straight reduction; when used with standard splice plate, they form an offset reduction.
- Furnished as one plate with hardware.
- (‡) Insert reduction



Catalog No.	Height	
	in.	mm
9A-1064-(‡)	4	101
9A-1065-(‡)	5	127
9A-1066-(‡)	6	152
9A-1067-(‡)	7	178

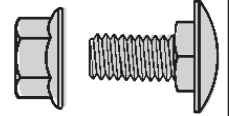
Ladder Hardware

For field installation drill $\frac{13}{32}$ " hole.

Standard Ladder Hardware

Catalog No. SNCB $\frac{3}{8}$ " x $\frac{3}{4}$ " ZnpIt Square Neck Carriage Bolt ASTM A307 Grade A

Catalog No. SFHN $\frac{3}{8}$ "-16 ZnpIt Serrated Flange Hex Nut ASTM A563 Grade A



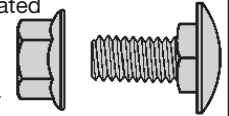
Finish: Zinc Plated ASTM B633, SC1

Optional Ladder Hardware

Catalog No. SNCB $\frac{3}{8}$ " x $\frac{3}{4}$ " SS6 Square Neck Carriage Bolt AISI 316 Stainless Steel

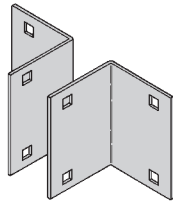
Catalog No. SFHN $\frac{3}{8}$ "-16 SS6 Serrated Flange Hex Nut AISI 316 Stainless Steel

To order optional 316 Stainless Steel hardware add SS6 suffix to part number
Example: 9A-1004SS6



Ladder to Box Splice Plates

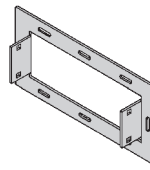
- Used to attach the end of a cable ladder run to a distribution box or control panel.
- Furnished in pairs with hardware.



Catalog No.	Height	
	in.	mm
9A-1054	4	101
9A-1055	5	127
9A-1056	6	152
9A-1057	7	178

Frame Type Box Connector

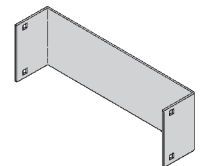
- Designed to attach the end of a cable ladder run to a distribution cabinet or control center to help reinforce the box at the point of entry.
- Furnished with ladder connection hardware.
- (‡) Insert ladder width



Catalog No.	Height	
	in.	mm
9A-1074-(‡)	4	101
9A-1075-(‡)	5	127
9A-1076-(‡)	6	152
9A-1077-(‡)	7	178

Blind End

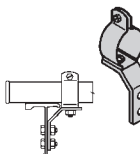
- This plate forms a closure for a dead end cable ladder.
- Furnished as one plate with hardware.
- (‡) Insert ladder width



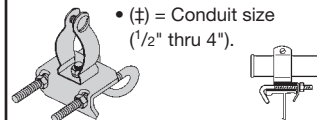
Catalog No.	Height	
	in.	mm
9A-1084-(‡)	4	101
9A-1085-(‡)	5	127
9A-1086-(‡)	6	152
9A-1087-(‡)	7	178

Conduit to Cable Ladder Adaptors

- Assembly required.
- Mounting hardware included.
- Conduit clamps provided.
- (‡) = Conduit size ($\frac{1}{2}$ " thru 4").

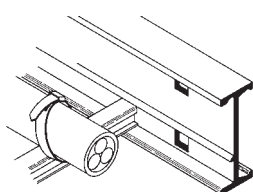


- Assembly required.
- Conduit clamp included.
- (‡) = Conduit size ($\frac{1}{2}$ " thru 4").



Catalog No. 9ZN-1150-(‡) **Catalog No.** 9ZN-1155-(‡)

Cable Tie (Ladder Ladder)



Nylon ties provide easy attachment of cable to ladder rungs; maximum cable O.D. is 3" (76mm).

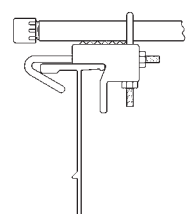
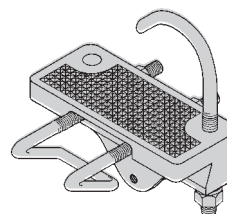


Overall Length 15"

Catalog No. 99-2125-15

Conduit to Cable Ladder Adaptor

- For easy attachment of conduit terminating at a cable ladder.
- Use on aluminum or steel cable ladders.



Aluminum I-Beam

Catalog No.	Conduit Size	
	in.	mm
9G-1158- $\frac{1}{2}$, $\frac{3}{4}$	$\frac{1}{2}$, $\frac{3}{4}$	15, 20
9G-1158-1, $1\frac{1}{4}$	1, $1\frac{1}{4}$	25, 32
9G-1158- $1\frac{1}{2}$, 2	$1\frac{1}{2}$, 2	40, 50
9G-1158- $2\frac{1}{2}$, 3	$2\frac{1}{2}$, 3	65, 80
9G-1158- $3\frac{1}{2}$, 4	$3\frac{1}{2}$, 4	90, 100

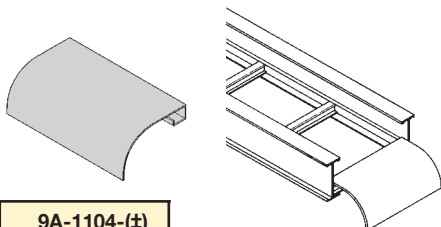
Aluminum

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Ladder Drop-Out

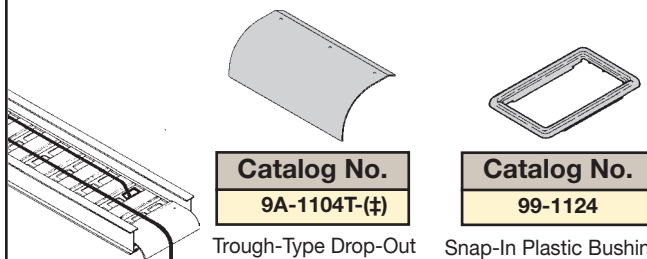
- Specially-designed Ladder Drop-Outs provide a rounded surface with 4" (101 mm) radius to protect cable as it exits from the cable ladder, preventing damage to insulation. The drop-out will attach to any desired rung.
- (‡) Insert ladder width



Catalog No. 9A-1104-(‡)

Trough Drop-Out & Drop-Out Bushing

- These devices provide a rounded surface to protect cable as it exits from the trough-type cable ladder.
- Hardware is included for attachment of the trough bottom drop-out.
- (‡) Insert ladder width



Catalog No.
9A-1104T-(‡)

Catalog No.
99-1124

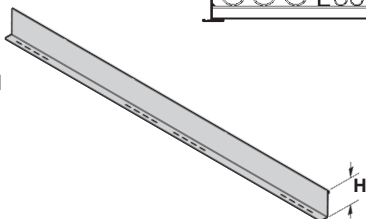
Trough-Type Drop-Out

Snap-In Plastic Bushing

Barriers

Straight Section

- Standard length: 120" (3 m) 144" (12 ft.).
- Order catalog number based on loading depth.
- Furnished with four #10 x 1/2" plated self-drilling screws and a 99-9982 splice.

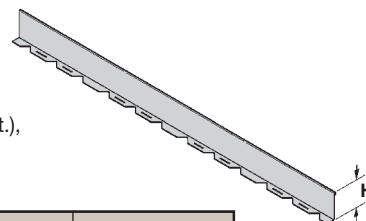


Catalog No.	Side Rail Height		Loading Depth 'H'	
	in.	mm	in.	mm
73A-Length	4	101	3	76
74A-Length	5	127	4	101
75A-Length	6	152	5	127
76A-Length	7	178	6	152

Length =
144 for 12'
or
120 for 10'

Horizontal Bend

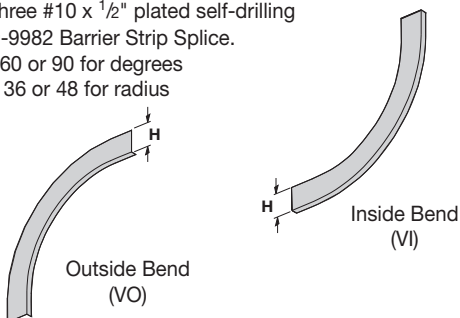
- Horizontal Bend Barriers are flexible in order to conform to any horizontal fitting radius. Cut to length.
- Order catalog number based on loading depth.
- Furnished with three #10 x 1/2" zinc plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- Standard length is 72" (6 ft.), sold individually.



Catalog No.	Side Rail Height		Loading Depth 'H'	
	in.	mm	in.	mm
73A-90HBFL	4	101	3	76
74A-90HBFL	5	127	4	101
75A-90HBFL	6	152	5	127
76A-90HBFL	7	178	6	152

Vertical Bend Barriers

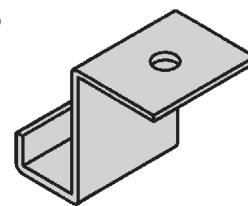
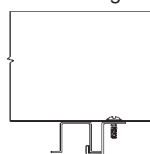
- Vertical Bend Barriers are preformed to conform to a specific vertical fitting.
- Furnished with three #10 x 1/2" plated self-drilling screws and a 99-9982 Barrier Strip Splice.
- (*) Insert 30, 45, 60 or 90 for degrees
- (†) Insert 12, 24, 36 or 48 for radius



Inside Bend Catalog No.	Outside Bend Catalog No.	Side Rail Height		Loading Depth 'H'	
		in.	mm	in.	mm
73A-(*)VI(†)	73A-(*)VO(†)	4	101	3	76
74A-(*)VI(†)	74A-(*)VO(†)	5	127	4	101
75A-(*)VI(†)	75A-(*)VO(†)	6	152	5	127
76A-(*)VI(†)	76A-(*)VO(†)	7	178	6	152

Barrier Strip Clip

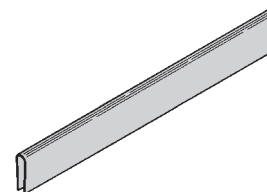
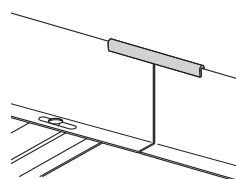
- Zinc plated steel barrier clip fastens to either aluminum or steel ladder rung.
- Furnished with one #10 x 1/2" zinc plated self-drilling screw.



Catalog No. 9ZN-9002

Barrier Strip Splice

- Plastic splice holds adjoining barrier strips in straight alignment.

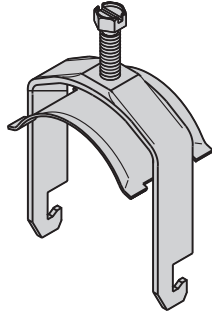


Catalog No. 99-9982

Series 2, 3, 4, & 5 Aluminum Cable Ladder

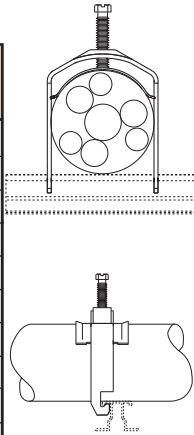
Stainless Steel Cable Clamp "P"

- Fits with series 2, 3, & 4 rungs.
- Attaches to rung at any point.
- 14 gauge Type 316 stainless steel material to minimize corrosion and induction heating.
- Plated steel and aluminum also available.



Refer Cable Fixing Section

Catalog No.	Cable Size	
	in.	mm
BP081SS	.250 - .840	6.4 - 21.3
BP110SS	.810 - 1.100	20.6 - 28.0
BP135SS	.850 - 1.350	21.6 - 34.8
BP175SS	1.250 - 1.750	31.8 - 44.5
BP205SS	1.550 - 2.050	39.4 - 52.1
BP250SS	2.000 - 2.500	50.8 - 63.5
BP300SS	2.500 - 3.000	63.5 - 76.2
BP325SS	2.750 - 3.250	69.9 - 82.6
BP375SS	3.250 - 3.750	82.6 - 95.3
BP425SS	3.750 - 4.250	95.3 - 108.0
BP475SS	4.250 - 4.750	108.0 - 120.7

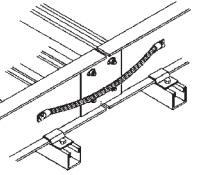


Bonding Jumper

Use at each expansion splice and where the cable ladder is not mechanically/electrically continuous to ground.

Sold individually.

- Hardware included.
- See table 392.7(B)(2) on page CLS-9 for amperage ratings required to match the UL cross-sectional area of the ladder.
- See ladder loading chart for UL cross-sectional area.
- Bonding jumper is 16" long.

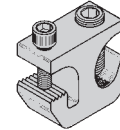


Catalog No.	Cross-Sectional Area	Ampacity
99-N1	0.40 Square inches	600
99-40	1.5 Square inches	1600
99-1620	2.0 Square inches	2000

Grounding Clamp

B-Line Cable Ladder is UL® classified as to its suitability as an equipment grounding conductor. If a separate conductor for additional grounding capability is desired, B-Line offers this clamp for bolting the conductor at least once to each cable ladder section.

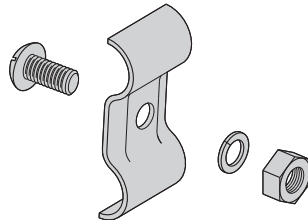
- Accepts #6 AWG to 250 MCM.



Catalog No.	Material
9A-2130	Tin Plated Aluminum

Ground Clamp

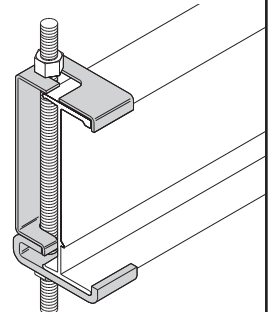
- Mechanically attaches grounding cables to cable ladder.
- Hardware included.
- (*) Insert ZN or SS4



Catalog No.	Cable Size
9(*)-2351	#1 thru 2/0
9(*)-2352	3/0 thru 250 MCM

Hanger Rod Clamp

- For 1/2" ATR.
- Furnished in pairs.
- Order ATR and hex nuts separately.
- Two-piece "J"-hanger design.
- 1500 lbs./pair capacity safety factor 3.
- (*) Insert ZN or G



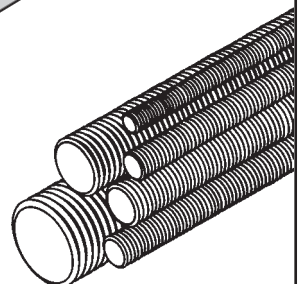
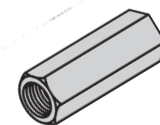
Catalog No.	Rail Height	
	in.	mm
9(*)-5324	4	101
9(*)-5325	5	127
9(*)-5326	6	152
9(*)-5327	7	178

Threaded Rod (ATR) & Rod Coupling

Size	Loading lbs	Catalog No.	Available Lengths	Coupling Cat. No.
3/8"-16	730	ATR 3/8" x Length	36", 72", 120", 144"	B655-3/8
1/2"-13	1350	ATR 1/2" x Length	36", 72", 120", 144"	B655-1/2

All dimensions in shaded areas are millimeters unless otherwise specified.

Loading based on safety factor 5.
Standard Finish: Zinc plated



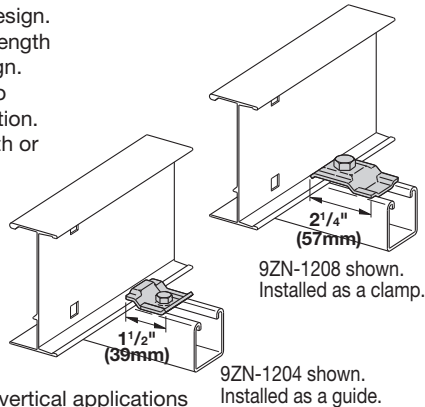
Aluminum

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Cable Ladder Clamp/Guide

- Features a no-twist design.
- Has four times the strength of the traditional design.
- Each side is labeled to ensure proper installation.
- Furnished in pairs, with or without hardware.



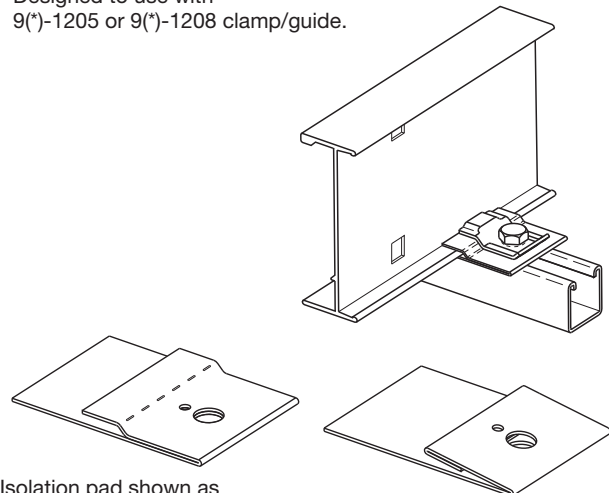
Patent #
RE35479

Note: For heavy duty or vertical applications see 9(*)-1241 or 9(*)-1242 page AL-36

Catalog No.		Overall Length		Hardware Size	Finish
Without Hardware	With Hardware				
9ZN-1204	9ZN-1204NB	1 1/2	38	1/4"	Znplt
9ZN-1208	9ZN-1208NB	2 1/4	57	3/8"	Znplt
9A-1205	9A-1205NB	2 1/4	57	1/2"	Alum.
9G-1205	9G-1205NB	2 1/4	57	1/2"	HDGAF
9SS6-1205	9SS6-1205NB	2 1/4	57	1/2"	316SS
9ZN-1205	9ZN-1205NB	2 1/4	57	1/2"	Znplt

Isolator Pad

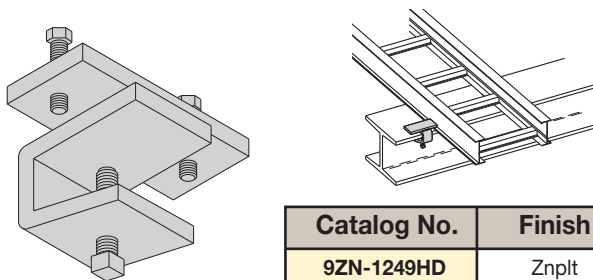
- Use as a friction reducer and/or as a dissimilar metal isolator barrier.
- UV resistant HDPE.
- Temperature range: -100 to 160° F.
- Designed to use with 9(*)-1205 or 9(*)-1208 clamp/guide.



Catalog No.	99-PE34
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Cable Ladder Clamp

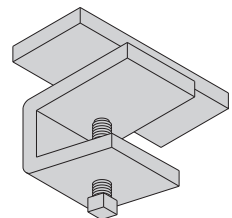
- Hold-down clamps for single or double cable ladder runs.
- No drilling of support I-beam or channel is required.
- Sold in pieces
 - two clamps are required per ladder.
- Maximum beam flange thickness 1 1/8" (28.58 mm).



Catalog No.	Finish
9ZN-1249HD	Znplt
9G-1249HD	HDGAF

Cable Ladder Guide

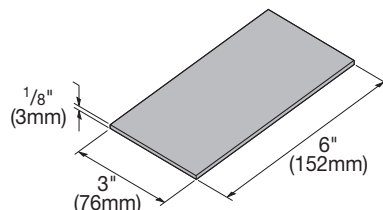
- Expansion guide for single or double cable ladder runs.
- Guide allows for longitudinal movement of the cable ladder.
- No field drilling of support I-beam or channel is required.
- Guides are required on both sides of cable ladder to prevent lateral movement - can be placed on either the inside or outside flange of cable ladder.
- Guides are sold in pieces - two guides are required per ladder.
- Maximum flange thickness 1 1/8" (28.58 mm).



Catalog No.	Finish
9ZN-1249	Znplt
9G-1249	HDGAF

Nylon Pad

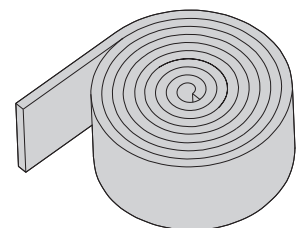
- Use for friction reduction.
- Hardness: Shore D80.
- Low friction coefficient.
- UV resistant.
- Excellent weatherability.
- UL - 94HB.



Catalog No.	99-PE36
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Neoprene Roll

- Use for material isolation.
- 1/8" x 2" x 25' roll.
- Hardness: Shore A60.
- Good weatherability.



Catalog No.	99-NP300
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Series 2, 3, 4, & 5 Aluminum Cable Ladder

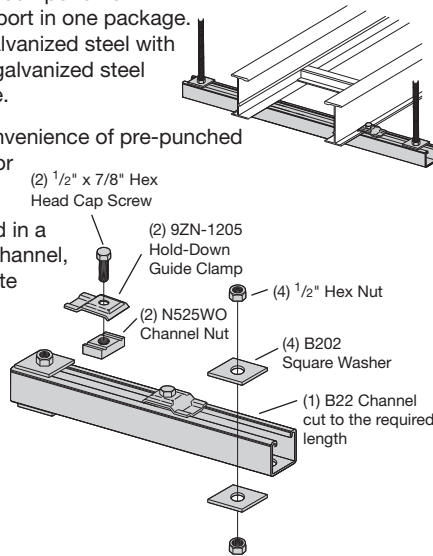
Trapeze Support Kit

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in pre-galvanized steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminate the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.



Catalog No.	Ladder Width		Channel Length		Uniform Load	
	in.	mm	in.	mm	lbs	kN
9P-5506-22SH(t)	6	152	16	406	1600	7.11
9P-5509-22SH(t)	9	229	18	457	1250	5.56
9P-5512-22SH(t)	12	305	22	559	1125	5.00
9P-5518-22SH(t)	18	457	28	711	865	3.85
9P-5524-22SH(t)	24	610	34	864	700	3.11
9P-5530-22SH(t)	30	762	40	1016	590	2.62
9P-5536-22SH(t)	36	914	46	1168	510	2.27
9P-5542-22SH(t)	42	1067	52	1321	450	2.00

• (t) Insert 3/8" for 3/8" threaded rod hardware.

Safety factor of 3.0 on all loads.

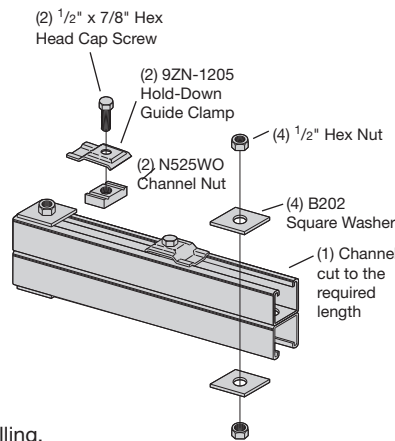
Heavy Duty Trapeze Support Kit

B-Line's trapeze kits provide the components required for a single trapeze support in one package. These kits are available in DURA-GREEN™ epoxy coated steel with zinc-plated hardware or hot dip galvanized steel with 316 stainless steel hardware.

The SH channel provides the convenience of pre-punched slots, which eliminates the need for field drilling.

The illustrated hardware is sealed in a plastic bag and boxed with the channel, which is pre-cut to the appropriate length as shown in the chart.

Designed for use with 1/2" threaded rod. Order rod separately.

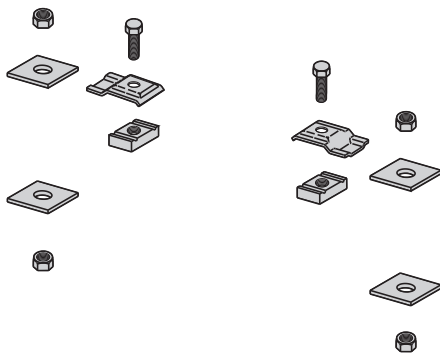


Catalog No.	Ladder Width		Channel Length		Uniform Load	
	in.	mm	in.	mm	lbs	kN
9(*)-5506-22SHA	6	152	16	406	1350	6.01
9(*)-5509-22SHA	9	229	18	457	1350	6.01
9(*)-5512-22SHA	12	305	22	559	1350	6.01
9(*)-5518-22SHA	18	457	28	711	1350	6.01
9(*)-5524-22SHA	24	610	34	864	1350	6.01
9(*)-5530-22SHA	30	762	40	1016	1350	6.01
9(*)-5536-22SHA	36	914	46	1168	1350	6.01
9(*)-5542-22SHA	42	1067	52	1321	1350	6.01

• (*) Insert GRN or G

Safety factor of 3.0 on all loads.

Trapeze Hardware Kit



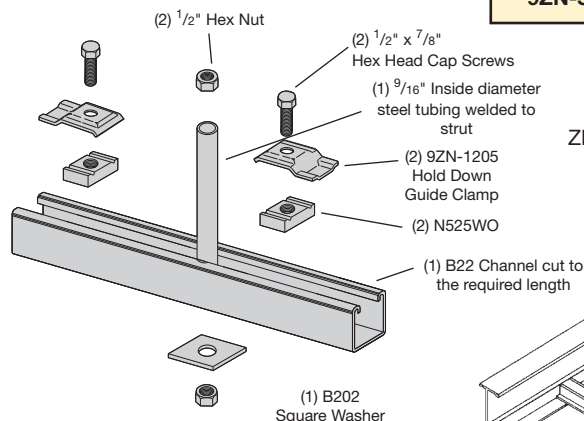
Catalog No.	9ZN-5500-1/2	9G-5500-1/2
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2" x 7/8" ZN 2 N525 WO ZN 4 B202 ZN 1/2" sq washer 4 HN 1/2 ZN	1 pr. 9G-1205 2 HHC Screw 1/2" x 7/8" SS6 2 N525 WO SS6 4 B202 HDG 1/2" sq washer 4 HN 1/2 SS6

Dimensions in parentheses are in millimeters unless otherwise specified.

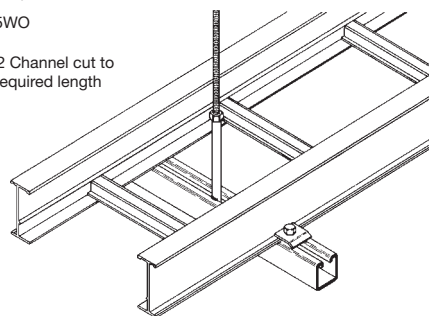
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Center Hung Ladder Support

- Allows cable to be laid-in from both sides.
- Eliminates costly cable pulling and field cutting of cable ladder supports. Labor costs are dramatically reduced.
- Required hardware and threaded rod material for trapeze assemblies are reduced by 50%.
- Designed for use with 1/2" threaded rod. (Order rod separately)
- Use with all aluminum and steel cable ladders through 24" width.
- Load capacity is 700 lbs. per support. Safety factor of 3.0. Eccentric loading is not to exceed a 60% vs. 40% load differential.
- Maximum recommended unsupported span length is 144"/12 ft. (3.66 m).
- Hardware shown is furnished.

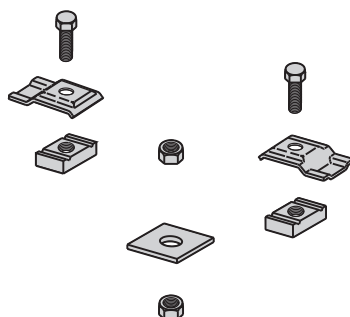


ZN = Zinc Plated



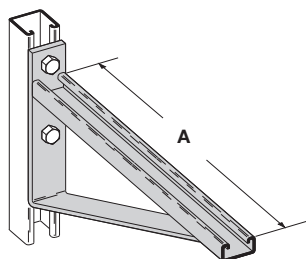
Catalog No.	Ladder Width	Channel Length
9ZN-5212	6", 9", 12"	18"
9ZN-5224	18", 24"	30"

Center Hung Support Hardware Kit



Catalog No.	9ZN-5200
In plastic bag	1 pr. 9ZN-1205 2 HHC Screw 1/2" x 7/8" ZN 2 N525 WO ZN 1 B202 ZN 1/2" sq washer 2 HN 1/2" ZN

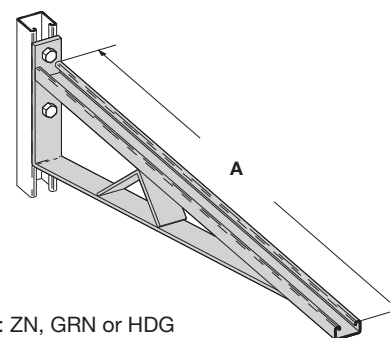
Bracket



Finishes available: ZN, GRN or HDG
Safety Load Factor 2.5

Catalog No.	Uniform Load		Ladder Width		'A'	
	lbs	kN	in.	mm	in.	mm
B494-12	1580	7.02	6 & 9	152 & 229	12	305
B494-18	1000	4.45	12	305	18	457
B494-24	996	4.43	18	457	24	610

Bracket

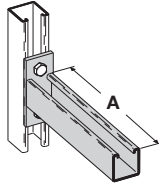


Finishes available: ZN, GRN or HDG
Safety Load Factor 2.5

Catalog No.	Uniform Load		Ladder Width		'A'	
	lbs	kN	in.	mm	in.	mm
B494-30	924	4.11	24	610	30	762
B494-36	864	3.84	30	762	36	914
B494-42	580	2.58	36	914	42	1067
B494-48	500	2.22	42	1067	48	1219

Series 2, 3, 4, & 5 Aluminum Cable Ladder

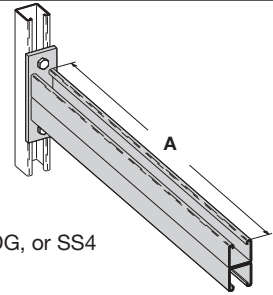
Cantilever Bracket



Finishes available: ZN, GRN, HDG, SS4 or SS6
Safety Load Factor 2.5

Catalog No.	Uniform Load		Ladder Width		'A'	
	lbs	kN	in.	mm	in.	mm
B409-12	960	4.27	6 & 9	152 & 229	12	305
B409-18	640	2.84	12	305	18	457
B409-24	480	2.13	18	457	24	610

Cantilever Bracket



Finishes available: ZN, GRN, HDG, or SS4
Safety Load Factor 2.5

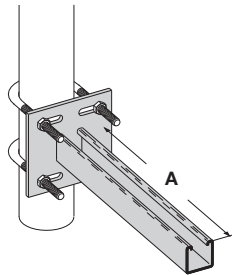
Catalog No.	Uniform Load		Ladder Width		'A'	
	lbs	kN	in.	mm	in.	mm
B297-12	1660	7.38	6 & 9	152 & 229	12	305
B297-18	1100	4.89	12	305	18	457
B297-24	835	3.71	18	457	24	610
B297-30	665	2.95	24	610	30	762
B297-36	550	2.44	30	762	36	914
B297-42	465	2.06	36	914	42	1067

Underfloor Support (U-Bolts not included)

U-Bolt Size	Fits Pipe O.D.
B501-3/4	.841 - 1.050
B501-1	1.051 - 1.315
B501-1 1/4	1.316 - 1.660
B501-1 1/2	1.661 - 1.900
B501-2	1.901 - 2.375
B501-2 1/2	2.376 - 2.875

- Order properly sized U-Bolts separately.

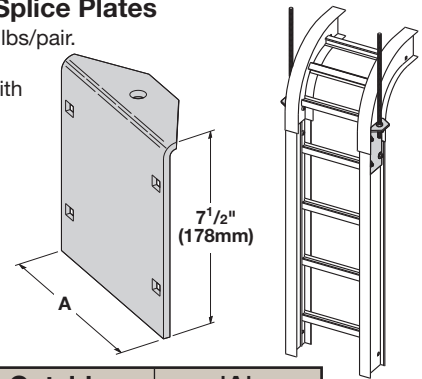
Finish available: ZN
Safety Load Factor 2.5



Catalog No.	Uniform Load		Ladder Width		'A'	
	lbs	kN	in.	mm	in.	mm
B409UF-12	800	3.55	6 & 9	152 & 229	12	305
B409UF-21	450	2.00	12 & 18	305 & 457	21	533

Vertical Hanger Splice Plates

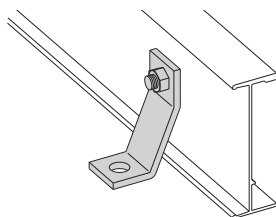
- Design load is 1500 lbs/pair.
Safety Factor of 2.5
- Furnished in pairs with hardware.



Catalog No.	Outside Ladder Ht.	'A'	
		in.	mm
9A-1224	4"	3.84	97.54
9A-1225	5"	4.73	120.14
9A-1226	6"	5.84	148.34
9A-1227	7"	6.84	173.74

Heavy Duty Hold Down Bracket

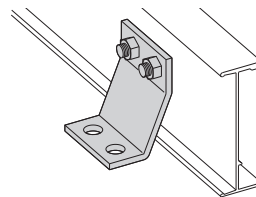
- Design load is 2000 lbs/pair.
- Two bolt design.
- Sold in pairs.
- 3/8" cable ladder attachment hardware provided.
- 1/2" support attachment hardware **not** provided.
- (*) Insert: ZN, SS4 or SS6



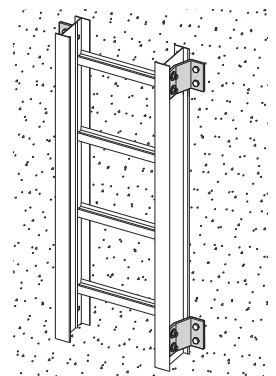
Catalog No.	9(*)-1241
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Heavy Duty Hold-Down Bracket

- Design load is 4000 lbs/pair.
- Four bolt design.
- Sold in pairs.
- 3/8" cable ladder attachment hardware provided
- 1/2" support attachment hardware **not** provided.
- (*) Insert: ZN, SS4 or SS6



Catalog No.	9(*)-1242
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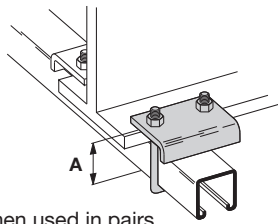
Aluminum

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Beam Clamp

- Finishes available: ZN or HDG
- Sold in pieces.

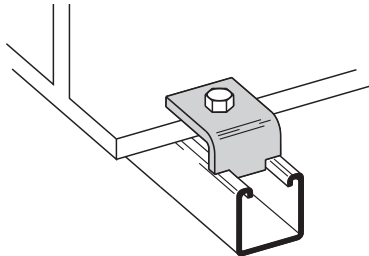


Design load when used in pairs.
Safety Load Factor 5.0

Catalog	Design Load*		'A'	
	lbs	kN	in.	mm
B441-22	1200	5.34	3 ³ / ₈	86
B441-22A	1200	5.34	5	127

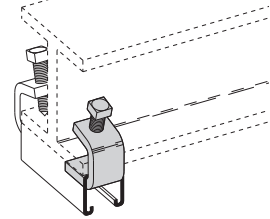
Beam Clamp B355

- Finishes available: ZN, GRN, HDG or SS4
- Sold in pieces.
- Design load is 1200 lbs. when used in pairs.
- Safety Load Factor 5.0
- Order HHCS and Channel Nuts separately.



Beam Clamp

- Finishes available: ZN, GRN or HDG
- Sold in pieces.

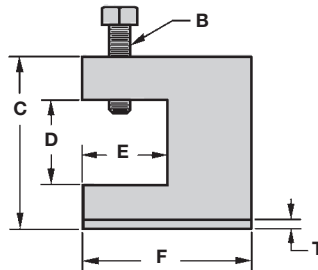
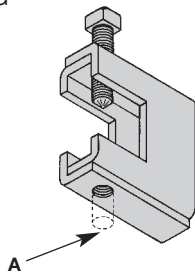


Design load when used in pairs.
Safety Load Factor 5.0

Cat. No.	B212-1/4		B212-3/8	
Design Load *	600 lbs.	2.67 kN	1000 lbs.	4.45 kN
Max. Flange Thick	3/4"	19 mm	1 1/8"	28.6 mm
Mat'l. Thickness	1/4"	6.3 mm	3/8"	9.5 mm

B305 Thru B308 & B321 Series Beam Clamps

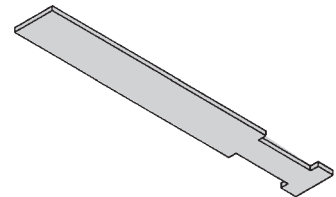
- Finishes available: ZN or HDG
- Setscrew included.
- Safety Load Factor 5.0



Cat. No.	Rod Size A	B	C	D	E	F	T	Design Load	
								lbs	kN
B305	3/8"-16	3/8"-16	2 ⁵ / ₁₆ "	7/8"	1 1/8"	2 1/2"	11 Ga.	600	2.67
B306	3/8"-16	1/2"-13	2 ⁷ / ₁₆ "	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B307	1/2"-13	1/2"-13	2 ⁷ / ₁₆ "	7/8"	1 1/8"	2 1/2"	7 Ga.	1100	4.90
B308	1/2"-13	1/2"-13	2 ⁹ / ₁₆ "	7/8"	1 1/8"	2 1/2"	1/4"	1500	6.68
B321-1	3/8"-16	1/2"-13	3 ⁹ / ₁₆ "	1 1/16"	1 5/8"	3 1/4"	1/4"	1300	5.79
B321-2	1/2"-13	1/2"-13	3 ⁹ / ₁₆ "	1 1/16"	1 5/8"	3 1/4"	1/4"	1400	6.23

B312 Anchor Strap

- Finish available: ZN
- For a maximum beam thickness of 3/4".
- For thicker beams, step up one flange width size.

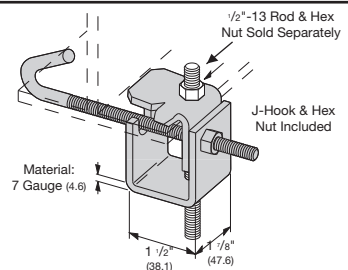


Cat. No.	Flange Width
B312-6	Up to 6"
B312-9	6" - 9"
B312-12	9" - 12"

Beam Clamp

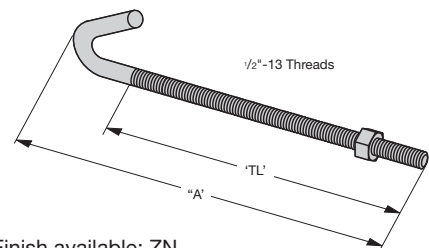
Catalog No.	For Flange Width		Wt./C	
	in.	mm	lbs	kg
B750-J4	3" - 6"	76.2 - 152.4	109	49.4
B750-J6	5" - 9"	127.0 - 228.6	124	56.2
B750-J9	8" - 12"	203.2 - 304.8	135	61.2
B750-J12	11" - 15"	279.4 - 381.0	147	66.7

- Finish available: ZN
- Design Load 500 lbs. (2.22 kN)
- Safety Load Factor 5.0
- Recommended torque: 'J'-Hook Nut 125 In.-Lbs. (14.1 kN/m)
- Maximum flange thickness of 3/4"



Beam Clamp

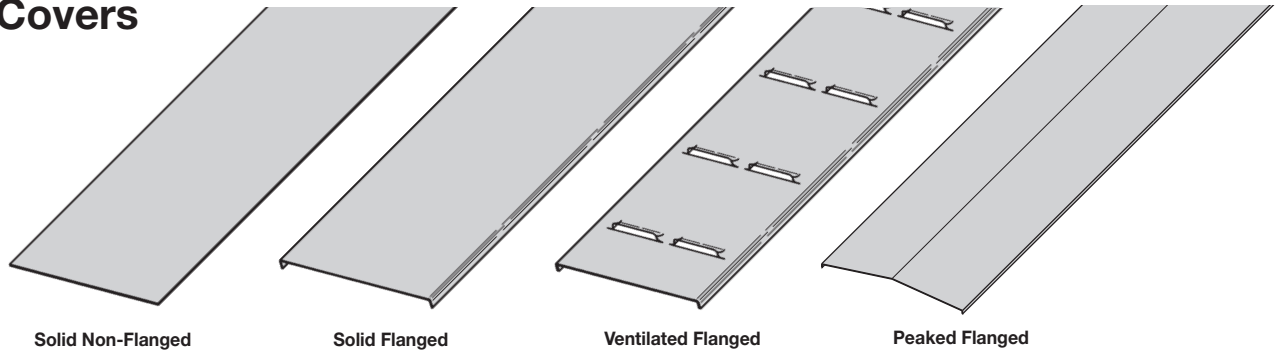
Catalog No.	'A'		Thread Length 'TL'		Wt./C	
	in.	mm	in.	mm	lbs	kg
B700-J4	8 1/2"	215.9	5"	127.0	44	19.9
B700-J6	11 1/2"	292.1	6"	152.4	53	24.0
B700-J9	12 1/4"	368.3	6"	152.4	63	28.6
B700-J12	17 1/2"	444.5	6"	152.4	78	35.4



- Finish available: ZN
- Hex Nut included.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Covers



A full range of covers is available for straight sections and fittings.

Solid covers should be used when maximum enclosure of the cable is desired and no accumulation of heat is expected.

Ventilated covers provide an overhead cable shield, yet allow heat to escape.

B-Line recommends that covers be placed on vertical cable ladder runs to a height of 6 ft. (1.83 m) to 8 ft. (2.44 m) above the floor to isolate both cables and personnel. **Flanged covers** have a 1/2 in. (13 mm) flange. Cover clamps are not included with the cover and must be ordered separately. All **peaked covers** are flanged. Standard peaked covers have 1/2" peak.

Aluminum Cover Part Numbering

Prefix					
Example: 80 7 A 40 - 24 - 144					
Cover Type	Detail	Material	Material Thickness	Ladder Width	Item Description
80 = Solid	6 = Non-Flanged (80 & 81 type only)	A = Aluminum	40 = .040 Aluminum	06 = 6"	For Straight Section Cover: 144 = 12 ft. (3.66 m) 120 = 10 ft. (3.05 m) 72 = 6 ft. (1.83 m) 60 = 5 ft. (1.52 m)
81 = Ventilated	7 = Flange		All except 2 to 3 pitch	09 = 9"	
82 = Peaked				12 = 12"	
				18 = 18"	
				24 = 24"	For fitting covers: Insert suffix of fitting to be covered.
				30 = 30"	
				36 = 36"	

Covers 30" and 36" wide have reinforcing ridges.

See example below.

Examples of Catalog Numbers for Fitting Covers:

Horizontal Bend Cover			Vertical Bend Cover		
Prefix	Suffix		Prefix	Suffix	
80 7 A 40 - 18 - 90 HB 24			80 7 A 40 - 24 - 90 VO 24 - 4*		
		Radius			Side Rail*
		Fitting			Height
		Angle			Radius
		Width			Fitting
		Material			Angle
		Thickness			Width
		Material			Material
		Detail			Thickness
		Cover Type			Material
					Detail
					Cover Type

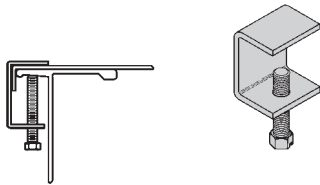
* Required for VO fittings only

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Standard Cover Clamp

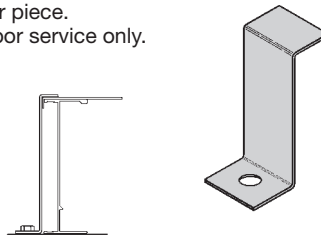
- For indoor service only.
- Setscrew included.
- Sold per piece.



Ladder Type	Side Rail Height	Catalog No.
Aluminum	All Sizes	9ZN-9012
		9A-9012

Combination Cover and Hold Down Clamp

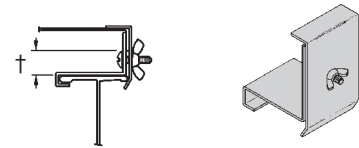
- Sold per piece.
- For indoor service only.



Ladder Type	Side Rail Height		Catalog No.
	in.	mm	
Aluminum	4	101	9P-9043
	5	127	9P-9053
	6	152	9P-9063
	7	178	9P-9073

Raised Cover Clamp

- For indoor service only.
- For use with flanged covers only.

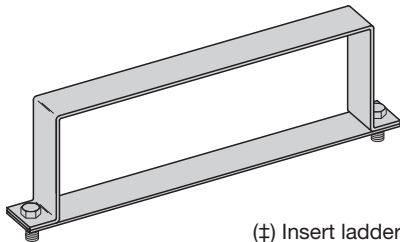


† Specify gap of 1", 2", 3" or 4".

Ladder Type	Side Rail Height	Catalog No.
Aluminum	4" & 5" Deep	9ZN-9112-†
	6" & 7" Deep	9ZN-9113-†

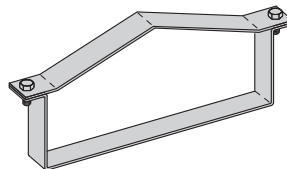
Heavy Duty Cover Clamp

- Recommended for outdoor service.



(‡) Insert ladder width
† Add P to Catalog No. for peaked cover clamp.

Peaked Cover Clamp



Side Rail Height		Catalog No.
in.	mm	
4	101	9A-(‡)-9044†
5	127	9A-(‡)-9054†
6	152	9A-(‡)-9064†
7	178	9A-(‡)-9074†

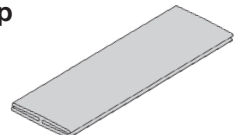
Quantity of Standard Cover Clamps Required

Straight Section 60" or 72"4 pcs.
Straight Section 120" or 144"6 pcs.
Horizontal/Vertical Bends.....4 pcs.
Tees.....6 pcs.
Crosses8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Cover Joint Strip

- Used to join covers
- Plastic
- (‡) Insert ladder width



Catalog No.	99-9980-(‡)
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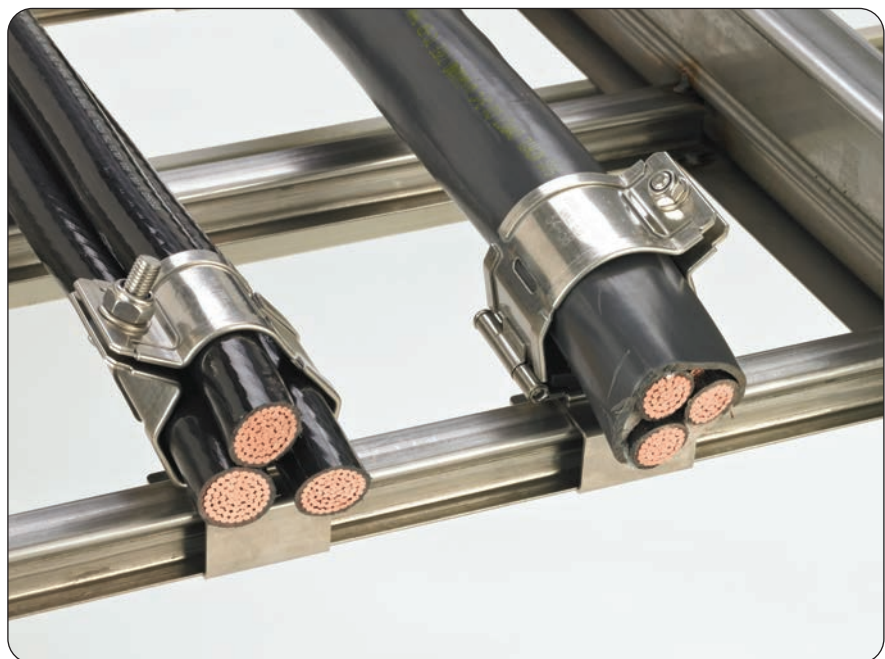
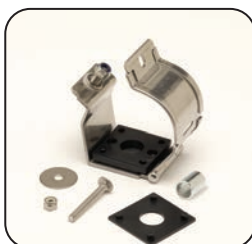
Cable Cleats

(see pages CC-1 thru CC-5)

Trefoil Cable Cleats



Single Cable Cleats



Dimensions in parentheses are in millimeters unless otherwise specified.

Section 1- Acceptable Manufacturers

- 1.01 Manufacturer: Subject to compliance with these specifications, cable ladder systems shall be as manufactured by B-Line.

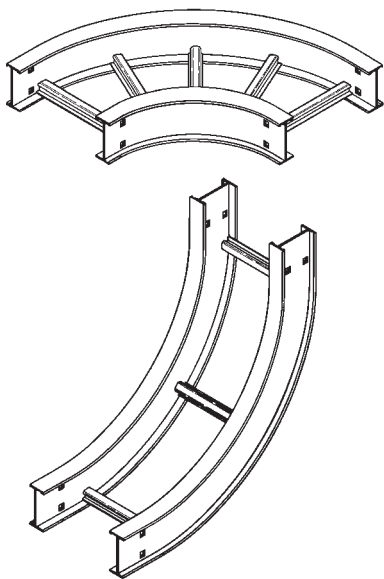
Section 2- Cable Ladder Sections and Components

- 2.01 General: Except as otherwise indicated, provide metal cable ladders, of types, classes and sizes indicated; with splice plates, bolts, nuts and washers for connecting units. Construct units with rounded edges and smooth surfaces; in compliance with applicable standards; and with the following additional construction features. Cable ladder shall be installed according to the latest revision of NEMA VE 2.
- 2.02 Materials and Finish: Straight section and fitting side rails and rungs shall be extruded from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.
- 2.03 Ladder Cable Ladders shall consist of two longitudinal members (side rails) with transverse members (rungs) welded to the side rails. Rungs shall be spaced [6] [9] [12] inches on center. Rung spacing in radiused fittings shall be industry standard 9" and measured at the center of the ladder's width. Each rung must be capable of supporting a 200 lb. concentrated load at the center of the cable ladder over and above the cable load with a safety factor of 1.5.
- 2.04 Ventilated Trough Cable Ladders shall consist of two longitudinal members (side rails) with a corrugated bottom welded to the side rails or rungs spaced 4" on center. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2³/₄" and shall be spaced on 6" centers. To provide ventilation in the ladder, the valleys of the corrugated bottom shall have 2¹/₄" x 4" rectangular holes punched along the width of the bottom.
- 2.05 Non-Ventilated Bottom Trough Cable Ladders shall consist of two longitudinal members (side rails) with
a corrugated bottom welded to the side rails or a solid sheet over rungs. The peaks of the corrugated bottom shall have a minimum flat cable bearing surface of 2³/₄" and shall be spaced on 6" centers.
- 2.06 Cable ladder loading depth shall be [3] [4] [5] [6] inches per NEMA VE 1.
- 2.07 Straight sections shall have side rails fabricated as I-beams. Straight sections shall be supplied in standard [12 foot] [24 foot] [10 foot (3 m)] [20 foot (6 m)] lengths.
- 2.08 Cable ladder widths shall be [6] [9] [12] [18] [24] [30] [36] inches or as shown on drawings.
- 2.09 Splice plates shall be the Wedge-Lock design with 4 nuts and bolts per plate. The resistance of fixed splice connections between an adjacent section of ladder shall not exceed 0.00033 ohm.
- 2.10 All fittings must have a minimum radius of [12] [24] [36] [48] inches.

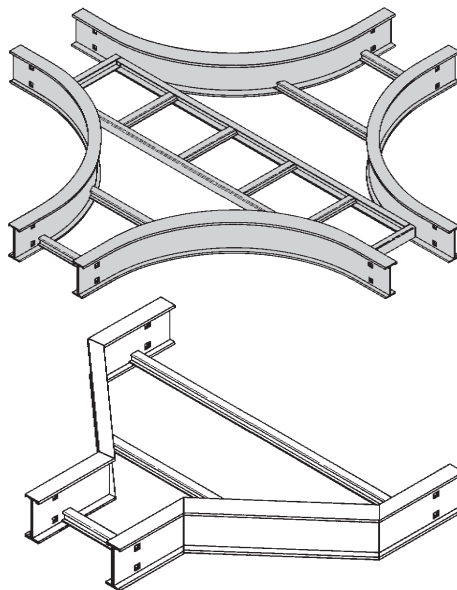
Section 3- Loading Capacities and Testing

- 3.01 Cable ladder shall be capable of carrying a uniformly distributed load of _____ lbs./ft. on a _____ ft. support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE 1 5.2. In addition to the uniformly distributed load the cable ladder shall support 200 lbs. concentrated load at mid-point of span. Load and safety factors specified are applicable to both the side rails and rung capacities. Cable ladder shall be made to manufacturing tolerances as specified by NEMA.
- 3.02 Upon request, manufacturer shall provide test reports in accordance with the latest revision of NEMA VE 1 or CSA C22.2 No. 126.

Series 2, 3, 4, & 5 Aluminum Cable Ladder



Fittings engineered with 3" tangents for splicing integrity.



Fittings Part Numbering

Prefix

Example: 4 A - 24 - 90 HB 24

(9" rung spacing is standard)

Side Rail Height

4 = 4" (101)
5 = 5" (127)
6 = 6" (152)
7 = 7" (178)

Material

A= Aluminum

Width

06 = 6" (152)
09 = 9" (228)
12 = 12" (305)
18 = 18" (457)
24 = 24" (609)
30 = 30" (762)
36 = 36" (914)

Angle

30 = 30°
45 = 45°
60 = 60°
90 = 90°

Type

HB = Horizontal Bend
HT = Horizontal Tee
HX = Horizontal Cross
VI = Vertical Inside Bend
VO = Vertical Outside Bend
VT = Vertical Tee
VTU = Vertical Tee, Up
HYR = Horizontal Wye, Right
HYL = Horizontal Wye, Left
CSF = Cable Support Fitting
LR = Left Reducer Fitting
RR = Right Reducer Fitting
SR = Straight Reducer Fitting

Radius

12 = 12" (305)
24 = 24" (609)
36 = 36" (914)
48 = 48" (1219)

For ventilated trough, solid trough, ventilated bottom or solid bottom, add VT, ST, 04 or SB as shown below: Available 6" thru 36"

Prefix

4AVT - 24 - 90HB24

Vented Trough

Prefix

4AST - 24 - 90HB24

Non-Ventilated Trough

For flat non-ventilated: Available 6" and Wider

Prefix

5ASB - 24 - 90HB24

Non-Ventilated

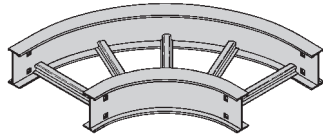
Note: Horizontal crosses and tees 30" or wider, with a radius of 36" or larger, will be of two-piece construction.

Dimensions in parentheses are in millimeters unless otherwise specified.

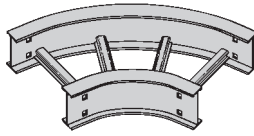
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Bend 90° 60° (HB)

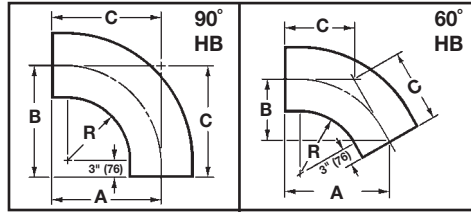
1 pair splice plates with hardware included.



90° Horizontal Bend



60° Horizontal Bend



Bottoms manufactured:

Ladder = 9" Rung Spacing

VT & 04 = 4" Rung Spacing

ST & SB = Flat sheet over
12" Rung Spacing

Bend Radius R		Ladder 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		
12	305	6	152	(Pre)-06-90HB12	18	457	18	457	18	457	(Pre)-06-60HB12	17½	445	10⅛	257	11⅞	297		
		9	228	(Pre)-09-90HB12	19½	495	19½	495	19½	495	(Pre)-09-60HB12	18⅓/16	478	10⅞	276	12½	318		
		12	305	(Pre)-12-90HB12	21	533	21	533	21	533	(Pre)-12-60HB12	20⅞	510	11⅝	295	13⅜	340		
		18	457	(Pre)-18-90HB12	24	610	24	610	24	610	(Pre)-18-60HB12	22⅞/16	576	13⅞	333	15⅞	384		
		24	609	(Pre)-24-90HB12	27	686	27	686	27	686	(Pre)-24-60HB12	25⅝/16	643	14⅝	372	16⅞	429		
		30	762	(Pre)-30-90HB12	30	762	30	762	30	762	(Pre)-30-60HB12	27⅞	708	16⅞	410	18⅝/16	472		
		36	914	(Pre)-36-90HB12	33	838	33	838	33	838	(Pre)-36-60HB12	30½	775	17⅝	448	20⅝/16	516		
		42	1218	(Pre)-42-90HB12	36	914	36	914	36	914	(Pre)-42-60HB12	33⅞/16	840	19⅞	486	22⅞/16	560		
24	610	6	152	(Pre)-06-90HB24	30	762	30	762	30	762	(Pre)-06-60HB24	27⅞	708	16⅞	410	18⅝/16	472		
		9	228	(Pre)-09-90HB24	31½	800	31½	800	31½	800	(Pre)-09-60HB24	29⅝/16	741	16⅞	429	19⅞/16	494		
		12	305	(Pre)-12-90HB24	33	838	33	838	33	838	(Pre)-12-60HB24	30½	775	17⅝	448	20⅝/16	516		
		18	457	(Pre)-18-90HB24	36	914	36	914	36	914	(Pre)-18-60HB24	33⅞/16	708	19⅞	486	22⅞/16	560		
		24	609	(Pre)-24-90HB24	39	991	39	991	39	991	(Pre)-24-60HB24	35⅞/16	907	20⅝	524	23⅓/16	605		
		30	762	(Pre)-30-90HB24	42	1067	42	1067	42	1067	(Pre)-30-60HB24	38¼	972	22⅞	564	25½	648		
		36	914	(Pre)-36-90HB24	45	1143	45	1143	45	1143	(Pre)-36-60HB24	40⅞	1038	23⅝	600	27¼	692		
		42	1218	(Pre)-42-90HB24	48	1219	48	1219	48	1219	(Pre)-42-60HB24	43½	1105	25⅞	638	29	737		
36	915	6	152	(Pre)-06-90HB36	42	1067	42	1067	42	1067	(Pre)-06-60HB36	38¼	971	22⅞	562	25½	648		
		9	228	(Pre)-09-90HB36	43½	1105	43½	1105	43½	1105	(Pre)-09-60HB36	39⅝/16	1005	22⅞	581	26⅜	670		
		12	305	(Pre)-12-90HB36	45	1143	45	1143	45	1143	(Pre)-12-60HB36	40⅞	1038	23⅝	600	27¼	692		
		18	457	(Pre)-18-90HB36	48	1219	48	1219	48	1219	(Pre)-18-60HB36	43½	1105	25⅞	638	29	737		
		24	609	(Pre)-24-90HB36	51	1295	51	1295	51	1295	(Pre)-24-60HB36	46⅞/16	1170	26⅝	676	30⅞/16	780		
		30	762	(Pre)-30-90HB36	54	1372	54	1375	54	1372	(Pre)-30-60HB36	48⅞/16	1237	28⅞	714	32⅞/16	824		
		36	914	(Pre)-36-90HB36	57	1448	57	1488	57	1448	(Pre)-36-60HB36	51¼	1302	29⅝	753	34⅝/16	869		
		42	1218	(Pre)-42-90HB36	60	1524	60	1524	60	1524	(Pre)-42-60HB36	53⅞	1368	31⅞	791	35⅟16	913		
48	1220	6	152	(Pre)-06-90HB48	54	1372	54	1372	54	1372	(Pre)-06-60HB48	48⅞/16	1221	28⅞	715	32⅞/16	830		
		9	228	(Pre)-09-90HB48	55½	1410	55½	1410	55½	1410	(Pre)-09-60HB48	49⅟16	1268	28⅞	734	33⅟16	846		
		12	305	(Pre)-12-90HB48	57	1448	57	1448	57	1448	(Pre)-12-60HB48	51¼	1302	29⅝	753	34⅝/16	868		
		18	457	(Pre)-18-90HB48	60	1524	60	1524	60	1524	(Pre)-18-60HB48	53⅞	1368	31⅞	791	35⅟16	913		
		24	609	(Pre)-24-90HB48	63	1600	63	1600	63	1600	(Pre)-24-60HB48	56⅞/16	1434	32⅝	829	37⅝	956		
		30	762	(Pre)-30-90HB48	66	1676	66	1676	66	1676	(Pre)-30-60HB48	59⅞/16	1500	34⅞	867	39⅝	1000		
		36	914	(Pre)-36-90HB48	69	1753	69	1753	69	1753	(Pre)-36-60HB48	61⅞/16	1567	35⅝	905	41⅞	1045		
		42	1218	(Pre)-42-90HB48	72	1829	72	1829	72	1829	(Pre)-42-60HB48	64¼	1632	37⅞	943	42⅓/16	1087		

(Pre) See page AL-41 for catalog number prefix.

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

Manufacturing tolerances apply to all dimensions.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Bend 45° 30° (HB)

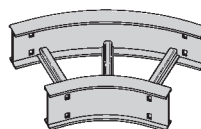
1 pair splice plates with hardware included.

Bottoms manufactured:

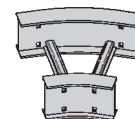
Ladder = 9" Rung Spacing

VT & 04 = 4" Rung Spacing

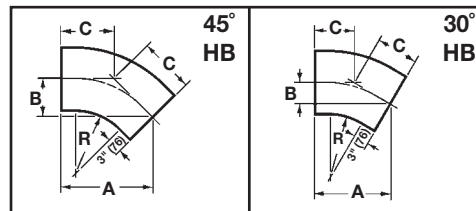
ST & SB = Flat sheet over
12" Rung Spacing



45° Horizontal Bend



30° Horizontal Bend



Bend Radius R	Ladder 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		
12	305	(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		
		(Pre)-09-45HB12	16 ¹³ / ₁₆	427	6 ¹⁵ / ₁₆	176	9 ¹³ / ₁₆	249	(Pre)-09-30HB12	13 ³ / ₈	352	3 ¹¹ / ₁₆	94	7 ⁷ / ₁₆	189		
		(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		
		(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		
		(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		
		(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		
		(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		
24	610	(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		
		(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		
		(Pre)-09-45HB24	25 ¹ / ₄	641	10 ¹ / ₂	267	14 ¹³ / ₁₆	376	(Pre)-09-30HB24	19 ³ / ₈	505	5 ⁵ / ₁₆	135	10 ⁵ / ₈	270		
		(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		
		(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		
		(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		
		(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	915	(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		
		(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		
		(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		
		(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 ³ / ₈	352		
		(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		
		(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		
		(Pre)-24-45HB36	39 ¹ / ₆	992	16 ³ / ₁₆	411	22 ⁷ / ₈	581	(Pre)-24-30HB36	29 ⁵ / ₈	753	7 ¹⁵ / ₁₆	202	15 ⁷ / ₈	403		
48	1220	(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		
		(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		
		(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		
		(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		
		(Pre)-09-45HB48	42 ¹ / ₄	1073	17 ¹ / ₂	445	24 ³ / ₄	629	(Pre)-09-30HB48	31 ³ / ₈	810	8 ⁹ / ₁₆	218	17 ¹ / ₁₆	433		
		(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		
		(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		
		(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		
		(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		
		(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		
		(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 AL-41 for catalog number prefix.

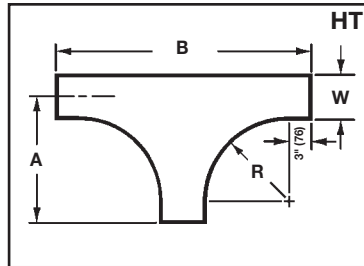
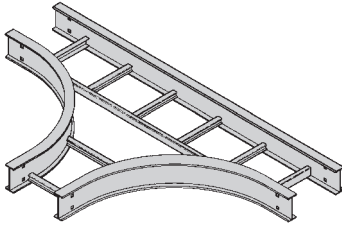
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

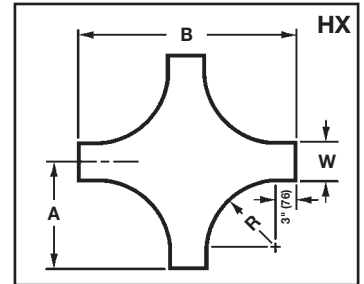
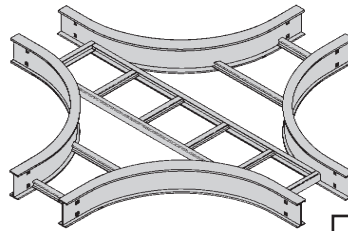
Horizontal Tee (HT)

2 pair splice plates with hardware included.



Horizontal Cross (HX)

3 pair splice plates with hardware included.



Bend Radius R in. mm		Ladder Width in. mm		Horizontal Tee				Horizontal Cross					
				Catalog Number	Dimensions				Catalog Number	Dimensions			
					A in. mm		B in. mm			A in. mm		B in. mm	
12	305	6	152	(Prefix)-06-HT12	18	457	36	914	(Prefix)-06-HX12	18	457	36	914
		9	229	(Prefix)-09-HT12	19½	496	39	991	(Prefix)-09-HX12	19½	496	39	991
		12	305	(Prefix)-12-HT12	21	533	42	1067	(Prefix)-12-HX12	21	533	42	1067
		18	457	(Prefix)-18-HT12	24	609	48	1219	(Prefix)-18-HX12	24	609	48	1219
		24	609	(Prefix)-24-HT12	27	686	54	1372	(Prefix)-24-HX12	27	686	54	1372
		30	762	(Prefix)-30-HT12	30	762	60	1524	(Prefix)-30-HX12	30	762	60	1524
		36	914	(Prefix)-36-HT12	33	838	66	1676	(Prefix)-36-HX12	33	838	66	1676
		42	1067	(Prefix)-42-HT12	36	914	72	1829	(Prefix)-42-HX12	36	914	72	1829
24	610	6	152	(Prefix)-06-HT24	30	762	60	1542	(Prefix)-06-HX24	30	762	60	1524
		9	229	(Prefix)-09-HT24	31½	800	63	1600	(Prefix)-09-HX24	31½	800	63	1600
		12	305	(Prefix)-12-HT24	33	838	66	1676	(Prefix)-12-HX24	33	838	66	1676
		18	457	(Prefix)-18-HT24	36	914	72	1828	(Prefix)-18-HX24	36	914	72	1828
		24	609	(Prefix)-24-HT24	39	991	78	1982	(Prefix)-24-HX24	39	991	78	1982
		30	762	(Prefix)-30-HT24	42	1067	84	2134	(Prefix)-30-HX24	42	1067	84	2134
		36	914	(Prefix)-36-HT24	45	1143	90	2286	(Prefix)-36-HX24	45	1143	90	2286
		42	1067	(Prefix)-42-HT24	48	1219	96	2438	(Prefix)-42-HX24	48	1219	96	2438
36	915	6	152	(Prefix)-06-HT36	42	1067	84	2134	(Prefix)-06-HX36	42	1067	84	2134
		9	229	(Prefix)-09-HT36	43½	1105	87	2210	(Prefix)-09-HX36	43½	1105	87	2210
		12	305	(Prefix)-12-HT36	45	1143	90	2286	(Prefix)-12-HX36	45	1143	90	2286
		18	457	(Prefix)-18-HT36	48	1219	96	2438	(Prefix)-18-HX36	48	1219	96	2438
		24	609	(Prefix)-24-HT36	51	1295	102	2590	(Prefix)-24-HX36	51	1295	102	2590
		30	762	(Prefix)-30-HT36	54	1372	108	2744	(Prefix)-30-HX36	54	1372	108	2744
		36	914	(Prefix)-36-HT36	57	1488	114	2896	(Prefix)-36-HX36	57	1448	114	2896
		42	1067	(Prefix)-42-HT36	60	1524	120	3048	(Prefix)-42-HX36	60	1524	120	3048
48	1220	6	152	(Prefix)-06-HT48	54	1372	108	2743	(Prefix)-06-HX48	54	1372	108	2743
		9	229	(Prefix)-09-HT48	55½	1410	111	2820	(Prefix)-09-HX48	55½	1410	111	2820
		12	305	(Prefix)-12-HT48	57	1448	114	2896	(Prefix)-12-HX48	57	1448	114	2896
		18	457	(Prefix)-18-HT48	60	1524	120	3048	(Prefix)-18-HX48	60	1524	120	3048
		24	609	(Prefix)-24-HT48	63	1600	126	3200	(Prefix)-24-HX48	63	1600	126	3200
		30	762	(Prefix)-30-HT48	66	1676	132	3353	(Prefix)-30-HX48	66	1676	132	3353
		36	914	(Prefix)-36-HT48	69	1753	138	3535	(Prefix)-36-HX48	69	1753	138	3505
		42	1067	(Prefix)-42-HT48	72	1829	144	3658	(Prefix)-42-HX48	72	1829	144	3658

Aluminum

(Prefix) See page AL-41 for catalog number prefix.

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

Manufacturing tolerances apply to all dimensions.

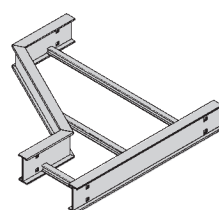
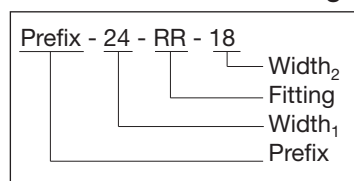
Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

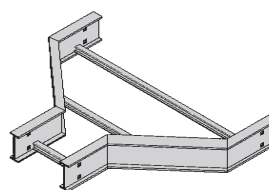
Reducers (LR, SR, RR)

1 pair splice plates with hardware included.

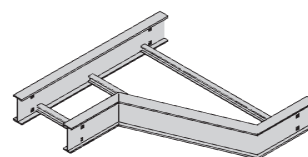
Reducer Part Numbering



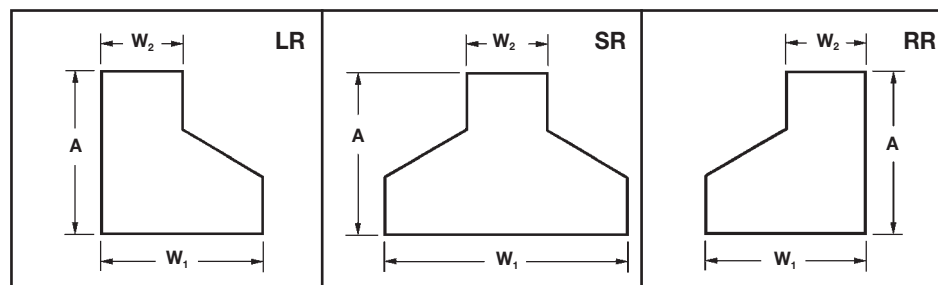
Left Reducer



Straight Reducer



Right Reducer



Ladder Width				Left Hand Reducer			Straight Reducer			Right Hand Reducer		
W ₁		W ₂		Catalog No.	A		Catalog No.	A		Catalog No.	A	
in.	mm	in.	mm		in.	mm		in.	mm		in.	mm
9	228	6	152	(Prefix)-09-LR06	9 ³ / ₄	248	(Prefix)-09-SR06	8 ⁷ / ₈	225	(Prefix)-09-RR06	9 ³ / ₄	248
12	305	6	152	(Prefix)-12-LR06	11 ¹ / ₂	292	(Prefix)-12-SR06	9 ³ / ₄	248	(Prefix)-12-RR06	11 ¹ / ₂	292
		9	228	(Prefix)-12-LR09	9 ³ / ₄	248	(Prefix)-12-SR09	8 ⁷ / ₈	225	(Prefix)-12-RR09	9 ³ / ₄	248
18	457	6	152	(Prefix)-18-LR06	14 ¹⁵ / ₁₆	379	(Prefix)-18-SR06	11 ¹ / ₂	292	(Prefix)-18-RR06	14 ¹⁵ / ₁₆	379
		9	228	(Prefix)-18-LR09	13 ³ / ₁₆	340	(Prefix)-18-SR09	10 ⁵ / ₈	270	(Prefix)-18-RR09	13 ³ / ₁₆	340
		12	305	(Prefix)-18-LR12	11 ¹ / ₂	292	(Prefix)-18-SR12	9 ³ / ₄	248	(Prefix)-18-RR12	11 ¹ / ₂	292
24	609	6	152	(Prefix)-24-LR06	18 ³ / ₈	467	(Prefix)-24-SR06	13 ³ / ₁₆	340	(Prefix)-24-RR06	18 ³ / ₈	467
		9	228	(Prefix)-24-LR09	16 ¹¹ / ₁₆	424	(Prefix)-24-SR09	12 ³ / ₈	314	(Prefix)-24-RR09	16 ¹¹ / ₁₆	424
		12	305	(Prefix)-24-LR12	14 ¹⁵ / ₁₆	379	(Prefix)-24-SR12	11 ¹ / ₂	292	(Prefix)-24-RR12	14 ¹⁵ / ₁₆	379
		18	457	(Prefix)-24-LR18	11 ¹ / ₂	292	(Prefix)-24-SR18	9 ³ / ₄	248	(Prefix)-24-RR18	11 ¹ / ₂	292
30	762	6	152	(Prefix)-30-LR06	21 ⁷ / ₈	555	(Prefix)-30-SR06	14 ¹⁵ / ₁₆	380	(Prefix)-30-RR06	21 ⁷ / ₈	555
		9	228	(Prefix)-30-LR09	20 ¹ / ₈	511	(Prefix)-30-SR09	14 ¹ / ₁₆	358	(Prefix)-30-RR09	20 ¹ / ₈	511
		12	305	(Prefix)-30-LR12	18 ³ / ₈	462	(Prefix)-30-SR12	13 ³ / ₁₆	335	(Prefix)-30-RR12	18 ³ / ₈	462
		18	459	(Prefix)-30-LR18	14 ¹⁵ / ₁₆	380	(Prefix)-30-SR18	11 ¹ / ₂	292	(Prefix)-30-RR18	14 ¹⁵ / ₁₆	380
		24	609	(Prefix)-30-LR24	11 ¹ / ₂	292	(Prefix)-30-SR24	9 ³ / ₄	248	(Prefix)-30-RR24	11 ¹ / ₂	292
36	914	6	152	(Prefix)-36-LR06	25 ⁵ / ₁₆	643	(Prefix)-36-SR06	16 ¹¹ / ₁₆	424	(Prefix)-36-RR06	23 ⁵ / ₁₆	643
		9	228	(Prefix)-36-LR09	23 ⁹ / ₁₆	598	(Prefix)-36-SR09	15 ¹³ / ₁₆	402	(Prefix)-36-RR09	23 ⁹ / ₁₆	598
		12	305	(Prefix)-36-LR12	21 ⁷ / ₈	555	(Prefix)-36-SR12	14 ¹⁵ / ₁₆	380	(Prefix)-36-RR12	21 ⁷ / ₈	555
		18	457	(Prefix)-36-LR18	18 ³ / ₈	462	(Prefix)-36-SR18	13 ³ / ₁₆	335	(Prefix)-36-RR18	18 ³ / ₈	462
		24	609	(Prefix)-36-LR24	14 ¹⁵ / ₁₆	380	(Prefix)-36-SR24	11 ¹ / ₂	292	(Prefix)-36-RR24	14 ¹⁵ / ₁₆	380
		30	762	(Prefix)-36-LR30	11 ¹ / ₂	292	(Prefix)-36-SR30	9 ³ / ₄	248	(Prefix)-36-RR30	11 ¹ / ₂	292
42	1067	6	152	(Prefix)-42-LR06	28 ³ / ₄	730	(Prefix)-42-SR06	18 ³ / ₈	467	(Prefix)-42-RR06	28 ³ / ₄	732
		9	228	(Prefix)-42-LR09	27 ¹ / ₁₆	687	(Prefix)-42-SR09	17 ¹ / ₂	445	(Prefix)-42-RR09	27 ¹ / ₁₆	687
		12	305	(Prefix)-42-LR12	25 ⁵ / ₁₆	643	(Prefix)-42-SR12	16 ¹¹ / ₁₆	424	(Prefix)-42-RR12	25 ⁵ / ₁₆	643
		18	457	(Prefix)-42-LR18	21 ⁷ / ₈	556	(Prefix)-42-SR18	14 ¹⁵ / ₁₆	379	(Prefix)-42-RR18	21 ⁷ / ₈	556
		24	609	(Prefix)-42-LR24	18 ³ / ₈	467	(Prefix)-42-SR24	13 ³ / ₁₆	335	(Prefix)-42-RR24	18 ³ / ₈	467
		30	762	(Prefix)-42-LR30	14 ¹⁵ / ₁₆	379	(Prefix)-42-SR30	11 ¹ / ₂	292	(Prefix)-42-RR30	14 ¹⁵ / ₁₆	379
		36	914	(Prefix)-42-LR36	11 ¹ / ₂	292	(Prefix)-42-SR36	9 ³ / ₄	249	(Prefix)-42-RR36	11 ¹ / ₂	292

(Prefix) See page AL-41 for catalog number prefix.

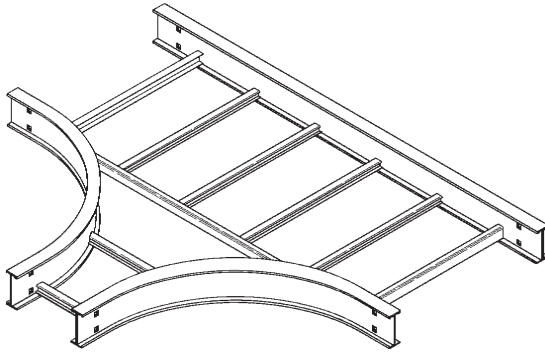
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Reducing Tee (HT)

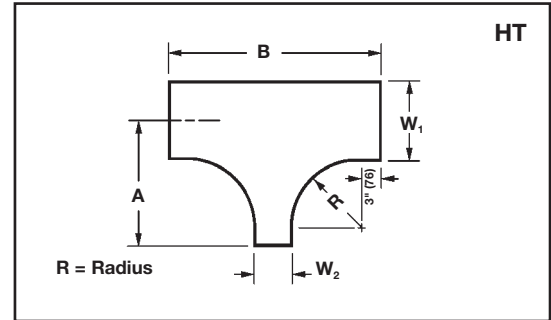
2 pair splice plates with hardware included.



Prefix - 36 - 18 HT 24

Radius
Fitting
Width W₂
Width W₁

To complete catalog number, insert fitting prefix.



Ladder Width				* Insert Radius (12", 24", 36", or 48") Catalog No.	12" Radius				24" Radius				36" Radius				48" Radius			
W1		W2			A		B		A		B		A		B		A		B	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9	228	6	152	(Prefix)-09-06-HT*	19½	496	36	914	31½	800	60	1524	43	1092	84	2134	55½	1410	108	2743
12	305	6	152	(Prefix)-12-06-HT*	21	533	36	914	33	838	60	1524	45	1143	84	2134	57	1448	108	2743
		9	228	(Prefix)-12-09-HT*	21	533	39	991	33	838	63	1600	45	1143	87	2210	57	1448	111	2819
18	475	6	152	(Prefix)-18-06-HT*	24	609	36	914	36	914	60	1524	48	1219	84	2134	60	1524	108	2743
		9	228	(Prefix)-18-09-HT*	24	609	39	991	36	914	63	1600	48	1219	87	2210	60	1524	111	2819
		12	305	(Prefix)-18-12-HT*	24	609	42	1067	36	914	66	1676	48	1219	90	2286	60	1524	114	2496
24	609	6	152	(Prefix)-24-06-HT*	27	686	36	914	39	991	60	1524	51	1295	84	2134	63	1600	108	2743
		9	228	(Prefix)-24-09-HT*	27	686	39	991	39	991	63	1600	51	1295	87	2210	63	1600	111	2819
		12	305	(Prefix)-24-12-HT*	27	686	42	1067	39	991	66	1676	51	1295	90	2286	63	1600	114	2496
		18	457	(Prefix)-24-18-HT*	27	686	48	1219	39	991	72	1829	51	1295	96	2438	63	1600	120	3048
30	762	6	152	(Prefix)-30-06-HT*	30	762	36	914	42	1067	60	1524	54	1372	84	2134	66	1676	108	2743
		9	228	(Prefix)-30-09-HT*	30	762	39	991	42	1067	63	1600	54	1372	87	2210	66	1676	111	2819
		12	305	(Prefix)-30-12-HT*	30	762	42	1067	42	1067	66	1676	54	1372	90	2286	66	1676	114	2496
		18	457	(Prefix)-30-18-HT*	30	762	48	1219	42	1067	72	1829	54	1372	96	2438	66	1676	120	3048
		24	609	(Prefix)-30-24-HT*	30	762	54	1372	42	1067	78	1981	54	1372	102	2591	66	1676	126	3200
36	914	6	152	(Prefix)-36-06-HT*	33	838	36	914	45	1143	60	1524	57	1448	84	2134	69	1753	108	2743
		9	228	(Prefix)-36-09-HT*	33	838	39	991	45	1143	63	1600	57	1448	87	2210	69	1753	111	2819
		12	305	(Prefix)-36-12-HT*	33	838	42	1067	45	1143	66	1676	57	1448	90	2286	69	1753	114	2496
		18	457	(Prefix)-36-18-HT*	33	838	48	1219	45	1143	72	1829	57	1448	96	2438	69	1753	120	3048
		24	609	(Prefix)-36-24-HT*	33	838	54	1372	45	1143	78	1981	57	1448	102	2591	69	1753	126	3200
		30	762	(Prefix)-36-30-HT*	33	838	60	1524	45	1143	84	2134	57	1448	108	2743	69	1753	132	3353
42	1067	6	152	(Prefix)-42-06-HT*	36	914	36	914	48	1219	60	1524	60	1524	84	2134	72	1829	108	2743
		9	228	(Prefix)-42-09-HT*	36	914	39	991	48	1219	63	1600	60	1524	87	2210	72	1829	111	2819
		12	305	(Prefix)-42-12-HT*	36	914	42	1067	48	1219	66	1676	60	1524	90	2286	72	1829	114	2496
		18	457	(Prefix)-42-18-HT*	36	914	48	1219	48	1219	72	1829	60	1524	96	2438	72	1829	120	3048
		24	609	(Prefix)-42-24-HT*	36	914	54	1372	48	1219	78	1981	60	1524	102	2591	72	1829	126	3200
		30	762	(Prefix)-42-30-HT*	36	914	60	1524	48	1219	84	2134	60	1524	108	2743	72	1829	132	3353
		36	914	(Prefix)-42-36-HT*	36	914	66	1676	48	1219	90	2286	60	1524	114	2895	72	1829	138	3505

Aluminum

(Prefix) See page AL-41 for catalog number prefix.

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

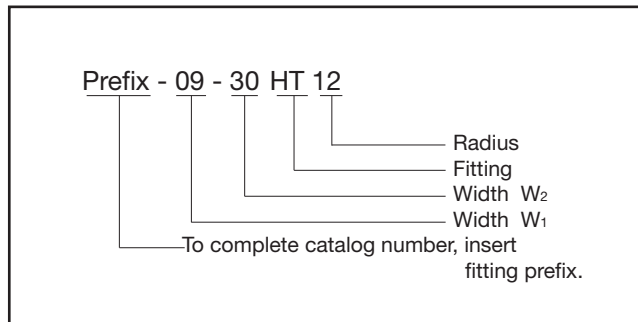
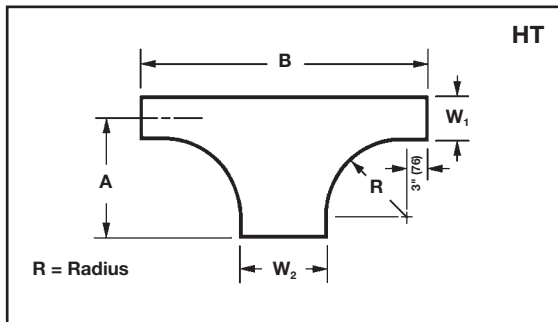
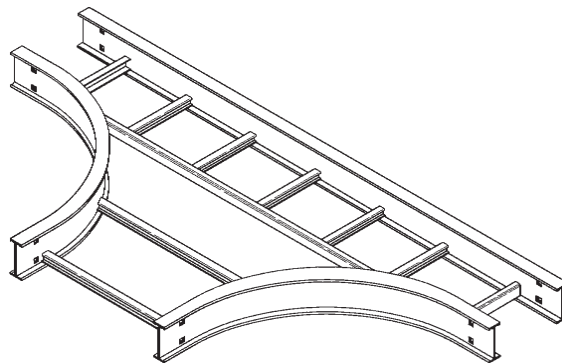
Manufacturing tolerances apply to all dimensions.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Expanding Tee (HT)

2 pair splice plates with hardware included.



Ladder Width				*Insert Radius (12", 24", 36", or 48") Catalog No.	12" Radius				24" Radius				36" Radius				48" Radius			
W1		W2			A		B		A		B		A		B		A		B	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
6	152	9	228	(Prefix)-06-09-HT*	18	457	39	991	30	762	63	1600	42	1067	87	2210	54	1372	111	2819
		12	305	(Prefix)-06-12-HT*	18	457	42	1067	30	762	66	1676	42	1067	90	2286	54	1372	114	2496
		18	457	(Prefix)-06-18-HT*	18	457	48	1219	30	762	72	1829	42	1067	96	2438	54	1372	120	3048
		24	609	(Prefix)-06-24-HT*	18	457	54	1372	30	762	78	1981	42	1067	102	2591	54	1372	126	3200
		30	762	(Prefix)-06-30-HT*	18	457	60	1524	30	762	84	2134	42	1067	108	2743	54	1372	132	3353
		36	914	(Prefix)-06-36-HT*	18	457	66	1676	30	762	90	2286	42	1067	114	2895	54	1372	138	3503
		42	1067	(Prefix)-06-42-HT*	18	457	72	1829	30	762	96	2438	42	1067	120	3048	54	1372	144	3658
9	228	12	305	(Prefix)-09-12-HT*	19½	496	42	1067	31½	800	66	1676	43½	1105	90	2286	55½	1410	114	2496
		18	457	(Prefix)-09-18-HT*	19½	496	48	1219	31½	800	72	1829	43½	1105	96	2438	55½	1410	120	3048
		24	609	(Prefix)-09-24-HT*	19½	496	54	1372	31½	800	78	1981	43½	1105	102	2591	55½	1410	126	3200
		30	762	(Prefix)-09-30-HT*	19½	496	60	1524	31½	800	84	2134	43½	1105	108	2743	55½	1410	132	3353
		36	914	(Prefix)-09-36-HT*	19½	496	66	1676	31½	800	90	2286	43½	1105	114	2895	55½	1410	138	3503
		42	1067	(Prefix)-09-42-HT*	19½	496	72	1829	31½	800	96	2438	43½	1105	120	3048	55½	1410	144	3658
12	305	18	457	(Prefix)-12-18-HT*	21	533	48	1219	33	838	72	1829	45	1143	96	2438	57	1448	120	3048
		24	609	(Prefix)-12-24-HT*	21	533	54	1372	33	838	78	1981	45	1143	102	2591	57	1448	126	3200
		30	762	(Prefix)-12-30-HT*	21	533	60	1524	33	838	84	2134	45	1143	108	2743	57	1448	132	3353
		36	914	(Prefix)-12-36-HT*	21	533	66	1676	33	838	90	2286	45	1143	114	2895	57	1448	138	3503
		42	1067	(Prefix)-12-42-HT*	21	533	72	1829	33	838	96	2438	45	1143	120	3048	57	1448	144	3658
18	457	24	609	(Prefix)-18-24-HT*	24	609	54	1372	36	914	78	1981	48	1219	102	2591	60	1524	126	3200
		30	762	(Prefix)-18-30-HT*	24	609	60	1524	36	914	84	2134	48	1219	108	2743	60	1524	132	3353
		36	914	(Prefix)-18-36-HT*	24	609	66	1676	36	914	90	2286	48	1219	114	2895	60	1524	138	3503
		42	1067	(Prefix)-18-42-HT*	24	609	72	1829	36	914	96	2438	48	1219	120	3048	60	1524	144	3658
24	609	30	762	(Prefix)-24-30-HT*	27	686	60	1524	39	991	84	2134	51	1295	108	2743	63	1600	132	3353
		36	914	(Prefix)-24-36-HT*	27	686	66	1676	39	991	90	2286	51	1295	114	2895	63	1600	138	3503
		42	1067	(Prefix)-24-42-HT*	27	686	72	1829	39	991	96	2438	51	1295	120	3048	63	1600	144	3658
30	762	36	914	(Prefix)-30-36-HT*	30	762	66	1676	42	1067	90	2286	54	1372	114	2895	66	1676	138	3503
		42	1067	(Prefix)-30-42-HT*	30	762	72	1829	42	1067	96	2438	54	1372	120	3048	66	1676	144	3658
36	914	42	1067	(Prefix)-36-42-HT*	33	838	72	1829	45	1143	96	2438	57	1448	120	3048	69	1753	144	3658

(Prefix) See page AL-41 for catalog number prefix.

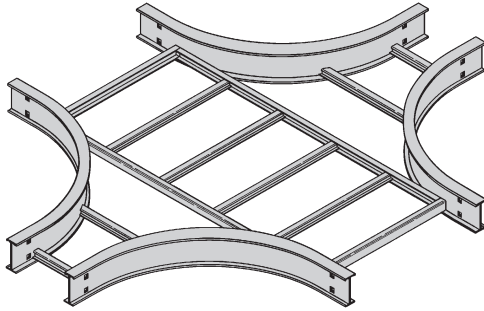
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Expanding/Reducing Cross (HX)

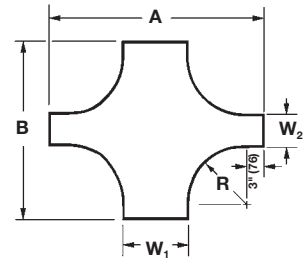
3 pair splice plates with hardware included.



Prefix - 36 - 18 HX 24

Radius
Fitting
Width W₂
Width W₁

To complete catalog number, insert fitting prefix.



HX

Ladder Width				* Insert Radius (12", 24", 36", or 48") Catalog No.	12" Radius				24" Radius				36" Radius				48" Radius			
W1		W2			A		B		A		B		A		B		A		B	
in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9	228	6	152	(Prefix)-09-06-HX*	39	991	36	914	63	1600	60	1372	87	2210	84	2134	111	2819	108	2743
12	305	6	152	(Prefix)-12-06-HX*	42	1067	36	914	66	1676	60	1372	90	2286	84	2134	114	2896	108	2743
		9	228	(Prefix)-12-09-HX*	42	1067	39	991	66	1676	63	1600	90	2286	87	2210	114	2896	111	2819
18	457	6	152	(Prefix)-18-06-HX*	48	1219	36	914	72	1829	60	1372	96	2438	84	2134	120	3048	108	2743
		9	228	(Prefix)-18-09-HX*	48	1219	39	991	72	1829	63	1600	96	2438	87	2210	120	3048	111	2819
		12	305	(Prefix)-18-12-HX*	48	1219	42	1067	72	1829	66	1676	96	2438	90	2286	120	3048	114	2896
24	609	6	152	(Prefix)-24-06-HX*	54	1372	36	914	78	1981	60	1372	102	2591	84	2134	126	3200	108	2743
		9	228	(Prefix)-24-09-HX*	54	1372	39	991	78	1981	63	1600	102	2591	87	2210	126	3200	111	2819
		12	305	(Prefix)-24-12-HX*	54	1372	42	1067	78	1981	66	1676	102	2591	90	2286	126	3200	114	2896
		18	457	(Prefix)-24-18-HX*	54	1372	48	1219	78	1981	72	1829	102	2591	96	2438	126	3200	120	3048
30	762	6	152	(Prefix)-30-06-HX*	60	1524	36	914	84	2134	60	1372	108	2743	84	2134	132	3353	108	2743
		9	228	(Prefix)-30-09-HX*	60	1524	39	991	84	2134	63	1600	108	2743	87	2210	132	3353	111	2819
		12	305	(Prefix)-30-12-HX*	60	1524	42	1067	84	2134	66	1676	108	2743	90	2286	132	3353	114	2896
		18	457	(Prefix)-30-18-HX*	60	1524	48	1219	84	2134	72	1829	108	2743	96	2438	132	3353	120	3048
		24	609	(Prefix)-30-24-HX*	60	1524	54	1372	84	2134	78	1981	108	2743	102	2591	132	3353	126	3200
36	914	6	152	(Prefix)-36-06-HX*	66	1676	36	914	90	2286	60	1372	114	2896	84	2134	138	3505	108	2743
		9	228	(Prefix)-36-09-HX*	66	1676	39	991	90	2286	63	1600	114	2896	87	2210	138	3505	111	2819
		12	305	(Prefix)-36-12-HX*	66	1676	42	1067	90	2286	66	1676	114	2896	90	2286	138	3505	114	2896
		18	457	(Prefix)-36-18-HX*	66	1676	48	1219	90	2286	72	1829	114	2896	96	2438	138	3505	120	3048
		24	609	(Prefix)-36-24-HX*	66	1676	54	1372	90	2286	78	1981	114	2896	102	2591	138	3505	126	3200
		30	762	(Prefix)-36-30-HX*	66	1676	60	1524	90	2286	84	2134	114	2896	108	2743	138	3505	132	3353
42	1067	6	152	(Prefix)-42-06-HX*	72	1829	36	914	96	2438	60	1372	120	3048	84	2134	144	3658	108	2743
		9	228	(Prefix)-42-09-HX*	72	1829	39	991	96	2438	63	1600	120	3048	87	2210	144	3658	111	2819
		12	305	(Prefix)-42-12-HX*	72	1829	42	1067	96	2438	66	1676	120	3048	90	2286	144	3658	114	2896
		18	457	(Prefix)-42-18-HX*	72	1829	48	1219	96	2438	72	1829	120	3048	96	2438	144	3658	120	3048
		24	609	(Prefix)-42-24-HX*	72	1829	54	1372	96	2438	78	1981	120	3048	102	2591	144	3658	126	3200
		30	762	(Prefix)-42-30-HX*	72	1829	60	1524	96	2438	84	2134	120	3048	108	2743	144	3658	132	3353
		36	914	(Prefix)-42-36-HX*	72	1829	66	1676	96	2438	90	2286	120	3048	114	2896	144	3658	138	3505

(Prefix) See page AL-41 for catalog number prefix.

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

Manufacturing tolerances apply to all dimensions.

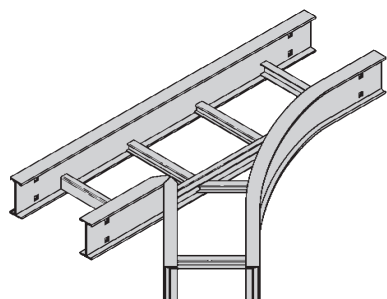
Aluminum

Dimensions in parentheses are in millimeters unless otherwise specified.

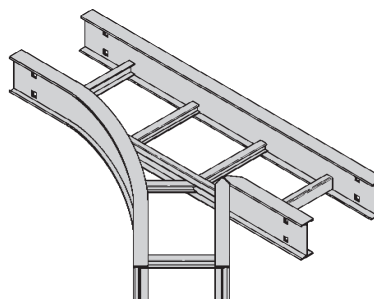
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Horizontal Wye (HYL, HYR)

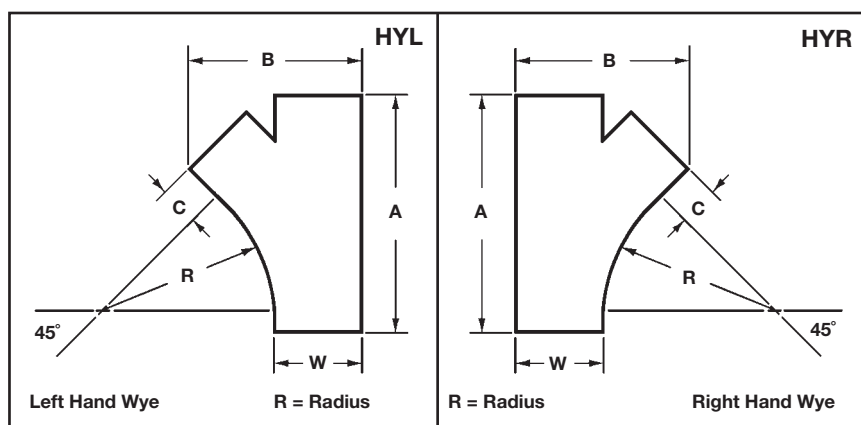
2 pair splice plates with hardware included.



Left Hand Wye



Right Hand Wye



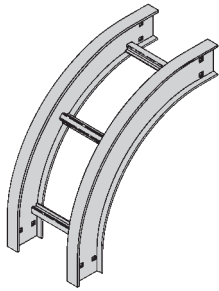
Bend Radius		Ladder Width		Left Hand Wye Catalog No.	Right Hand Wye Catalog No.	A		B		C	
in.	mm	in.	mm			in.	mm	in.	mm	in.	mm
24	609	6	152	(Prefix)-06-HYL	(Prefix)-06-HYR	28 ⁷ / ₁₆	722	15 ³ / ₁₆	386	3 ¹ / ₁₆	77
		9	228	(Prefix)-09-HYL	(Prefix)-09-HYR	32 ¹¹ / ₁₆	831	20 ⁵ / ₁₆	516	6 ¹ / ₁₆	154
		12	305	(Prefix)-12-HYL	(Prefix)-12-HYR	36 ¹⁵ / ₁₆	938	25 ⁷ / ₁₆	646	9 ¹ / ₁₆	231
		18	457	(Prefix)-18-HYL	(Prefix)-18-HYR	45 ³ / ₈	1153	35 ¹⁵ / ₁₆	910	15 ¹ / ₁₆	383
		24	609	(Prefix)-24-HYL	(Prefix)-24-HYR	53 ⁷ / ₈	1368	45 ¹⁵ / ₁₆	1167	21 ¹ / ₁₆	535
		30	762	(Prefix)-30-HYL	(Prefix)-30-HYR	62 ³ / ₈	1585	56 ³ / ₁₆	1427	27 ¹ / ₁₆	688
		36	914	(Prefix)-36-HYL	(Prefix)-36-HYR	70 ⁷ / ₈	1800	66 ⁷ / ₁₆	1687	33 ¹ / ₁₆	993
		42	1067	(Prefix)-42-HYL	(Prefix)-42-HYR	79 ³ / ₈	2016	76 ⁵ / ₈	1946	39 ¹ / ₁₆	992

(Prefix) See page AL-41 for catalog number prefix.

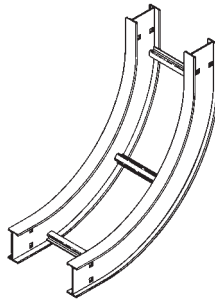
Width dimensions are to inside wall. For aluminum fittings add 1.5 inches for total outside width.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder



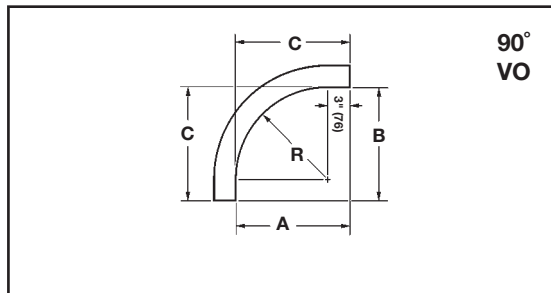
90° Vertical Outside



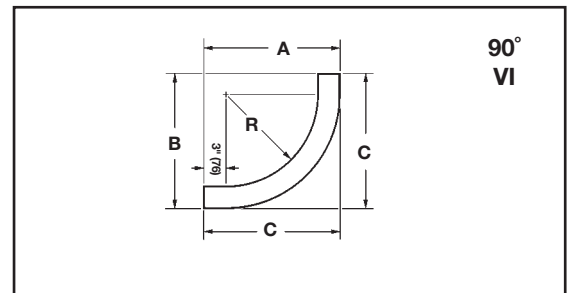
90° Vertical Inside

Vertical Bend 90° (VO, VI)

1 pair splice plates with hardware included.



90°
VO



90°
VI

Bend Radius R	Ladder Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Side Rail Height 4" - 7"			VI Side Rail Height											
							4"			5"			6"			7"		
	in.	mm		A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.
12 (305)	6	152	(Prefix)-06-90(*)12															
	9	228	(Prefix)-09-90(*)12															
	12	305	(Prefix)-12-90(*)12															
	18	457	(Prefix)-18-90(*)12	15	15	15	19	19	19	20	20	20	21	21	21	22	22	22
	24	609	(Prefix)-24-90(*)12	(381)	(381)	(381)	(483)	(483)	(483)	(508)	(508)	(508)	(533)	(533)	(533)	(559)	(559)	(559)
	30	762	(Prefix)-30-90(*)12															
	36	914	(Prefix)-36-90(*)12															
24 (609)	42	1067	(Prefix)-42-90(*)12															
	6	152	(Prefix)-06-90(*)24															
	9	228	(Prefix)-09-90(*)24															
	12	305	(Prefix)-12-90(*)24															
	18	457	(Prefix)-18-90(*)24	27	27	27	31	31	31	32	32	32	33	33	33	34	34	34
	24	609	(Prefix)-24-90(*)24	(686)	(686)	(686)	(787)	(787)	(787)	(813)	(813)	(813)	(838)	(838)	(838)	(864)	(864)	(864)
	30	762	(Prefix)-30-90(*)24															
36 (914)	36	914	(Prefix)-36-90(*)24															
	42	1067	(Prefix)-42-90(*)24															
	6	152	(Prefix)-06-90(*)36															
	9	228	(Prefix)-09-90(*)36															
	12	305	(Prefix)-12-90(*)36															
	18	457	(Prefix)-18-90(*)36	39	39	39	43	43	43	44	44	44	45	45	45	46	46	46
	24	609	(Prefix)-24-90(*)36	(991)	(991)	(991)	(1092)	(1092)	(1092)	(1118)	(1118)	(1118)	(1143)	(1143)	(1143)	(1168)	(1168)	(1168)
48 (1219)	30	762	(Prefix)-30-90(*)36															
	36	914	(Prefix)-36-90(*)36															
	42	1067	(Prefix)-42-90(*)36															
	6	152	(Prefix)-06-90(*)48															
	9	228	(Prefix)-09-90(*)48															
	12	305	(Prefix)-12-90(*)48															
	18	457	(Prefix)-18-90(*)48	51	51	51	55	55	55	56	56	56	57	57	57	58	58	58
48 (1219)	24	609	(Prefix)-24-90(*)48	(1295)	(1295)	(1295)	(1397)	(1397)	(1397)	(1422)	(1422)	(1422)	(1448)	(1448)	(1448)	(1473)	(1473)	(1473)
	30	762	(Prefix)-30-90(*)48															
	36	914	(Prefix)-36-90(*)48															
	42	1067	(Prefix)-42-90(*)48															

(Prefix) See page AL-41 for catalog number prefix.

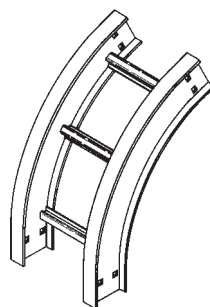
Manufacturing tolerances apply to all dimensions.

Dimensions in parentheses are in millimeters unless otherwise specified.

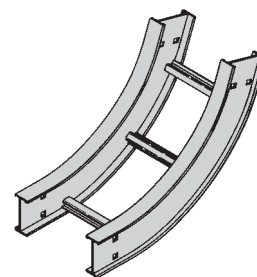
Series 2, 3, 4, & 5 Aluminum Cable Ladder

Vertical Bend 60° (VO, VI)

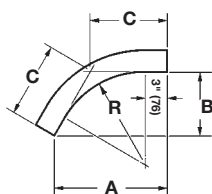
1 pair splice plates with hardware included.



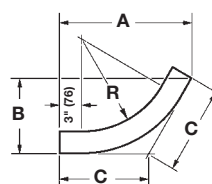
60° Vertical Outside



60° Vertical Inside



60°
VO



60°
VI

Bend Radius R	Ladder Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Side Rail Height 4" - 7"			VI Side Rail Height											
							4"			5"			6"			7"		
	in.	mm		A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.
12 (305)	6	152	(Prefix)-06-60(*)12															
	9	228	(Prefix)-09-60(*)12															
	12	305	(Prefix)-12-60(*)12															
	18	457	(Prefix)-18-60(*)12															
	24	609	(Prefix)-24-60(*)12															
	30	762	(Prefix)-30-60(*)12															
	36	914	(Prefix)-36-60(*)12															
24 (609)	42	1067	(Prefix)-42-60(*)12															
	6	152	(Prefix)-06-60(*)24															
	9	228	(Prefix)-09-60(*)24															
	12	305	(Prefix)-12-60(*)24															
	18	457	(Prefix)-18-60(*)24															
	24	609	(Prefix)-24-60(*)24															
	30	762	(Prefix)-30-60(*)24															
36 (914)	36	914	(Prefix)-36-60(*)24															
	42	1067	(Prefix)-42-60(*)24															
	6	152	(Prefix)-06-60(*)36															
	9	228	(Prefix)-09-60(*)36															
	12	305	(Prefix)-12-60(*)36															
	18	457	(Prefix)-18-60(*)36															
	24	609	(Prefix)-24-60(*)36															
48 (1219)	30	762	(Prefix)-30-60(*)36															
	36	914	(Prefix)-36-60(*)36															
	42	1067	(Prefix)-42-60(*)36															
	6	152	(Prefix)-06-60(*)48															
	9	228	(Prefix)-09-60(*)48															
	12	305	(Prefix)-12-60(*)48															
	18	457	(Prefix)-18-60(*)48															
48 (1219)	24	609	(Prefix)-24-60(*)48															
	30	762	(Prefix)-30-60(*)48															
	36	914	(Prefix)-36-60(*)48															
	42	1067	(Prefix)-42-60(*)48															

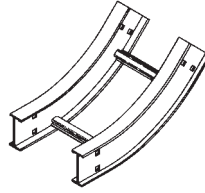
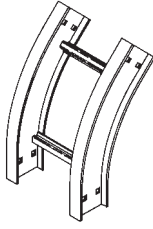
(Prefix) See page AL-41 for catalog number prefix.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

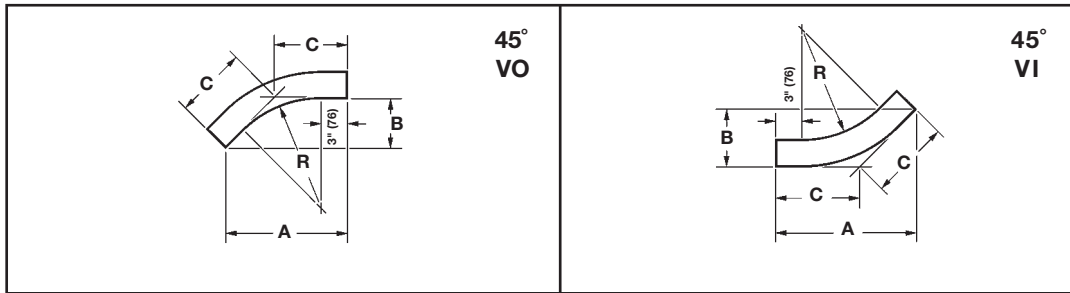
Vertical Bend 45° (VO, VI)

1 pair splice plates with hardware included.



45° Vertical Outside

45° Vertical Inside



Bend Radius R	Ladder Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Side Rail Height 4" - 7"			VI Side Rail Height											
							4"			5"			6"			7"		
	in.	mm		A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.
12 (305)	6	152	(Prefix)-06-45(*)12															
	9	228	(Prefix)-09-45(*)12															
	12	305	(Prefix)-12-45(*)12															
	18	457	(Prefix)-18-45(*)12	13 ⁵ / ₈ (346)	5 ⁵ / ₈ (143)	8 (203)	16 ⁷ / ₁₆ (417)	6 ¹³ / ₁₆ (173)	9 ⁵ / ₈ (245)	17 ¹ / ₈ (435)	7 ¹ / ₈ (181)	10 ¹ / ₁₆ (256)	17 ⁷ / ₈ (454)	7 ³ / ₈ (188)	10 ⁷ / ₁₆ (265)	18 ⁹ / ₁₆ (471)	7 ¹¹ / ₁₆ (195)	10 ⁷ / ₈ (2176)
	24	609	(Prefix)-24-45(*)12															
	30	762	(Prefix)-30-45(*)12															
	36	914	(Prefix)-36-45(*)12															
24 (609)	42	1067	(Prefix)-42-45(*)12															
	6	152	(Prefix)-06-45(*)24															
	9	228	(Prefix)-09-45(*)24															
	12	305	(Prefix)-12-45(*)24															
	18	457	(Prefix)-18-45(*)24	22 ¹ / ₁₆ (561)	9 ¹ / ₈ (232)	12 ¹⁵ / ₁₆ (329)	24 ¹⁵ / ₁₆ (634)	10 ⁵ / ₁₆ (262)	14 ⁵ / ₈ (372)	25 ⁵ / ₈ (651)	10 ⁵ / ₈ (270)	15 (381)	26 ⁵ / ₁₆ (668)	10 ¹⁵ / ₁₆ (278)	15 ⁷ / ₁₆ (392)	27 ¹ / ₁₆ (687)	11 ³ / ₁₆ (284)	15 ¹³ / ₁₆ (402)
	24	609	(Prefix)-24-45(*)24															
	30	762	(Prefix)-30-45(*)24															
36 (914)	36	914	(Prefix)-36-45(*)24															
	42	1067	(Prefix)-42-45(*)24															
	6	152	(Prefix)-06-45(*)36															
	9	228	(Prefix)-09-45(*)36															
	12	305	(Prefix)-12-45(*)36															
	18	457	(Prefix)-18-45(*)36	30 ⁹ / ₁₆ (776)	12 ¹¹ / ₁₆ (323)	17 ¹⁵ / ₁₆ (456)	33 ³ / ₈ (848)	13 ¹³ / ₁₆ (351)	19 ⁹ / ₁₆ (497)	34 ¹ / ₈ (867)	14 ¹ / ₈ (359)	20 (508)	34 ¹³ / ₁₆ (885)	14 ⁷ / ₁₆ (367)	20 ³ / ₈ (518)	35 ¹ / ₂ (902)	14 ¹¹ / ₁₆ (373)	20 ¹³ / ₁₆ (528)
	24	609	(Prefix)-24-45(*)36															
48 (1219)	30	762	(Prefix)-30-45(*)36															
	36	914	(Prefix)-36-45(*)36															
	42	1067	(Prefix)-42-45(*)36															
	6	152	(Prefix)-06-45(*)48															
	9	228	(Prefix)-09-45(*)48															
	12	305	(Prefix)-12-45(*)48															
	18	457	(Prefix)-18-45(*)48	39 ¹ / ₁₆ (992)	16 ³ / ₁₆ (411)	22 ⁷ / ₈ (581)	41 ⁷ / ₈ (1064)	17 ³ / ₈ (441)	24 ⁹ / ₁₆ (624)	42 ⁵ / ₈ (1083)	17 ⁵ / ₈ (448)	24 ¹⁵ / ₁₆ (633)	43 ⁵ / ₁₆ (1100)	17 ¹⁵ / ₁₆ (456)	25 ³ / ₈ (645)	44 (1118)	18 ¹ / ₄ (464)	25 ¹³ / ₁₆ (656)
	24	609	(Prefix)-24-45(*)48															
	30	762	(Prefix)-30-45(*)48															
	36	914	(Prefix)-36-45(*)48															
	42	1067	(Prefix)-42-45(*)48															

Aluminum

(Prefix) See page AL-41 for catalog number prefix.

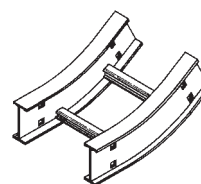
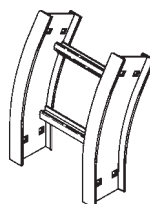
Manufacturing tolerances apply to all dimensions.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

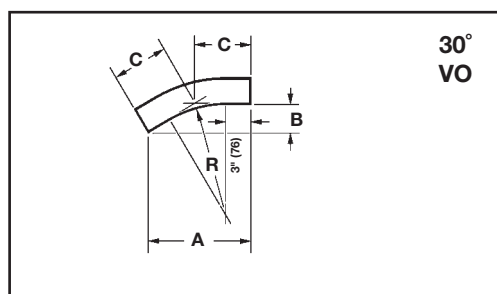
Vertical Bend 30° (VO, VI)

1 pair splice plates with hardware included.

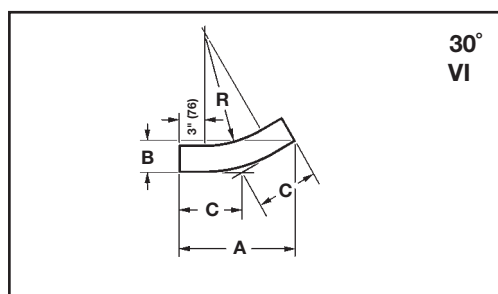


30° Vertical Outside

30° Vertical Inside



30°
VO



30°
VI

Bend Radius R	Ladder Width		(*) Insert "VO" for Vert. Outside Bend Insert "VI" for Vert. Inside Bend Catalog No.	VO Side Rail Height 4" - 7"			VI Side Rail Height											
							4"			5"			6"			7"		
	in.	mm		A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.	A in.	B in.	C in.
12 (305)	6	152	(Prefix)-06-30(*)12															
	9	228	(Prefix)-09-30(*)12															
	12	305	(Prefix)-12-30(*)12															
	18	457	(Prefix)-18-30(*)12	11 ⁵ / ₈	3 ¹ / ₈	6 ³ / ₁₆	13 ⁵ / ₈	3 ⁵ / ₈	7 ⁵ / ₁₆	14 ¹ / ₈	3 ³ / ₄	7 ⁹ / ₁₆	14 ⁵ / ₈	3 ¹⁵ / ₁₆	7 ¹³ / ₁₆	15 ¹ / ₈	4 ¹ / ₁₆	8 ¹ / ₁₆
	24	609	(Prefix)-24-30(*)12	(296)	(79)	(157)	(346)	(92)	(186)	(359)	(95)	(192)	(372)	(100)	(199)	(384)	(103)	(205)
	30	762	(Prefix)-30-30(*)12															
	36	914	(Prefix)-36-30(*)12															
24 (609)	42	1067	(Prefix)-42-30(*)12															
	6	152	(Prefix)-06-30(*)24															
	9	228	(Prefix)-09-30(*)24															
	12	305	(Prefix)-12-30(*)24															
	18	457	(Prefix)-18-30(*)24	17 ⁵ / ₈	4 ¹¹ / ₁₆	9 ⁷ / ₁₆	19 ⁵ / ₈	5 ¹ / ₄	10 ¹ / ₂	20 ¹ / ₈	5 ³ / ₈	10 ³ / ₄	20 ⁵ / ₈	5 ¹ / ₂	11 ¹ / ₁₆	21 ¹ / ₈	5 ⁵ / ₈	11 ⁵ / ₁₆
	24	609	(Prefix)-24-30(*)24	(448)	(120)	(240)	(499)	(133)	(267)	(511)	(137)	(273)	(524)	(140)	(282)	(537)	(143)	(287)
	30	762	(Prefix)-30-30(*)24															
36 (914)	36	914	(Prefix)-36-30(*)24															
	42	1067	(Prefix)-42-30(*)24															
	6	152	(Prefix)-06-30(*)36															
	9	228	(Prefix)-09-30(*)36															
	12	305	(Prefix)-12-30(*)36															
	18	457	(Prefix)-18-30(*)36	23 ⁵ / ₈	6 ⁵ / ₁₆	12 ⁵ / ₈	25 ⁵ / ₈	6 ⁷ / ₈	13 ¹¹ / ₁₆	26 ¹ / ₈	7	14	26 ⁵ / ₈	7 ¹ / ₈	14 ¹ / ₄	27 ¹ / ₈	7 ¹ / ₄	14 ¹ / ₂
	24	609	(Prefix)-24-30(*)36	(600)	(160)	(321)	(651)	(174)	(348)	(663)	(175)	(356)	(676)	(181)	(362)	(689)	(184)	(287)
48 (1219)	30	762	(Prefix)-30-30(*)36															
	36	914	(Prefix)-36-30(*)36															
	42	1067	(Prefix)-42-30(*)36															
	6	152	(Prefix)-06-30(*)48															
	9	228	(Prefix)-09-30(*)48															
	12	305	(Prefix)-12-30(*)48															
	18	457	(Prefix)-18-30(*)48	29 ⁵ / ₈	7 ¹⁵ / ₁₆	15 ⁷ / ₈	31 ⁵ / ₈	8 ⁷ / ₁₆	16 ¹⁵ / ₁₆	32 ¹ / ₈	8 ⁵ / ₈	17 ³ / ₁₆	32 ⁵ / ₈	8 ³ / ₄	17 ¹ / ₂	33 ¹ / ₈	8 ⁷ / ₈	17 ³ / ₄
	24	609	(Prefix)-24-30(*)48	(753)	(202)	(403)	(803)	(214)	(430)	(816)	(219)	(437)	(829)	(222)	(445)	(842)	(226)	(451)
	30	762	(Prefix)-30-30(*)48															
	36	914	(Prefix)-36-30(*)48															
	42	1067	(Prefix)-42-30(*)48															

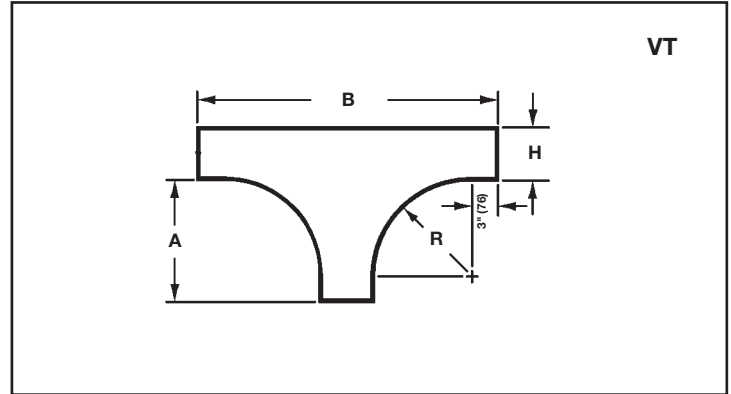
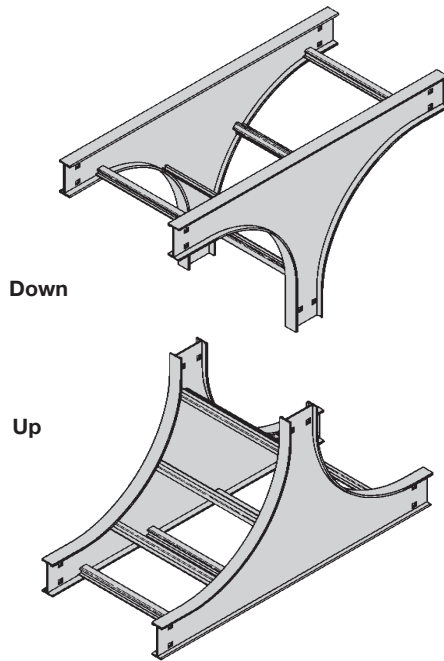
(Prefix) See page AL-41 for catalog number prefix.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Vertical Tee Up/Down (VTU/VT)

2 pair splice plates with hardware included.



Bend Radius R in.	Ladder Width in. mm		Vertical Tee Down Catalog No.	Vertical Tee Up Catalog No.	Side Rail Height "H"							
					4"		5"		6"		7"	
					A in.	B in.	A in.	B in.	A in.	B in.	A in.	B in.
12 (305)	6	152	(Prefix)-06-VT12	(Prefix)-06-VTU12								
	9	228	(Prefix)-09-VT12	(Prefix)-09-VTU12								
	12	305	(Prefix)-12-VT12	(Prefix)-12-VTU12								
	18	457	(Prefix)-18-VT12	(Prefix)-18-VTU12	15	34	15	35	15	36	15	37
	24	609	(Prefix)-24-VT12	(Prefix)-24-VTU12	(381)	(846)	(381)	(889)	(381)	(914)	(381)	(940)
	30	762	(Prefix)-30-VT12	(Prefix)-30-VTU12								
	36	914	(Prefix)-36-VT12	(Prefix)-36-VTU12								
24 (609)	42	1067	(Prefix)-42-VT12	(Prefix)-42-VTU12								
	6	152	(Prefix)-06-VT24	(Prefix)-06-VTU24								
	9	228	(Prefix)-09-VT24	(Prefix)-09-VTU24								
	12	305	(Prefix)-12-VT24	(Prefix)-12-VTU24								
	18	457	(Prefix)-18-VT24	(Prefix)-18-VTU24	27	58	27	59	27	60	27	61
	24	609	(Prefix)-24-VT24	(Prefix)-24-VTU24	(6867)	(1473)	(686)	(1498)	(686)	(1524)	(686)	(1549)
	30	762	(Prefix)-30-VT24	(Prefix)-30-VTU24								
36 (914)	36	914	(Prefix)-36-VT24	(Prefix)-36-VTU24								
	42	1067	(Prefix)-42-VT24	(Prefix)-42-VTU24								
	6	152	(Prefix)-06-VT36	(Prefix)-06-VTU36								
	9	228	(Prefix)-09-VT36	(Prefix)-09-VTU36								
	12	305	(Prefix)-12-VT36	(Prefix)-12-VTU36								
	18	457	(Prefix)-18-VT36	(Prefix)-18-VTU36	39	82	39	83	39	84	39	85
	24	609	(Prefix)-24-VT36	(Prefix)-24-VTU36	(991)	(2083)	(991)	(2108)	(991)	(2134)	(991)	(2159)
48 (1219)	30	762	(Prefix)-30-VT36	(Prefix)-30-VTU36								
	36	914	(Prefix)-36-VT36	(Prefix)-36-VTU36								
	42	1067	(Prefix)-42-VT36	(Prefix)-42-VTU36								
	6	152	(Prefix)-06-VT48	(Prefix)-06-VTU48								
	9	228	(Prefix)-09-VT48	(Prefix)-09-VTU48								
	12	305	(Prefix)-12-VT48	(Prefix)-12-VTU48								
	18	457	(Prefix)-18-VT48	(Prefix)-18-VTU48	51	106	51	107	51	108	51	109
48 (1219)	24	609	(Prefix)-24-VT48	(Prefix)-24-VTU48	(1295)	(2692)	(1295)	(2718)	(1295)	(2743)	(1295)	(2769)
	30	762	(Prefix)-30-VT48	(Prefix)-30-VTU48								
	36	914	(Prefix)-36-VT48	(Prefix)-36-VTU48								
	42	1067	(Prefix)-42-VT48	(Prefix)-42-VTU48								

(Prefix) See page AL-41 for catalog number prefix.

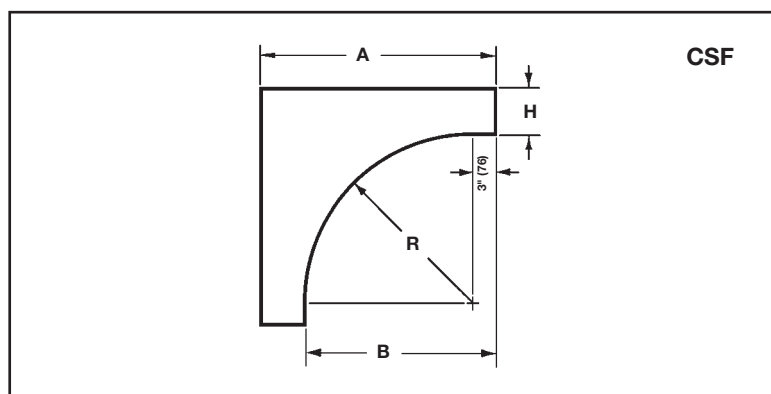
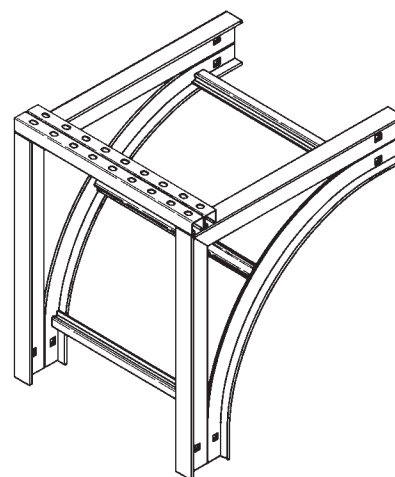
Manufacturing tolerances apply to all dimensions.

Dimensions in parentheses are in millimeters unless otherwise specified.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Cable Support Fittings (CSF)

1 pair splice plates with hardware included.



This fitting is recommended for use at the top of vertical runs to support the weight of the cables. The top cross brace is drilled for installing eyebolts, ordered separately.

Bend Radius R in.	Ladder Width in. mm		Catalog No. in.	Side Rail Height "H"							
				4"		5"		6"		7"	
				A in.	B in.	A in.	B in.	A in.	B in.	A in.	B in.
	6	152	(Prefix)-06-CSF12	19 (483)	15 (381)	20 (508)	15 (381)	21 (533)	15 (381)	22 (559)	15 (381)
	9	228	(Prefix)-09-CSF12								
	12	305	(Prefix)-12-CSF12								
	18	457	(Prefix)-18-CSF12								
	24	609	(Prefix)-24-CSF12								
	30	762	(Prefix)-30-CSF12								
	36	914	(Prefix)-36-CSF12								
	42	1067	(Prefix)-42-CSF12	31 (787)	27 (686)	32 (813)	27 (686)	33 (838)	27 (686)	34 (864)	27 (686)
	6	152	(Prefix)-06-CSF24								
	9	228	(Prefix)-09-CSF24								
	12	305	(Prefix)-12-CSF24								
	18	457	(Prefix)-18-CSF24								
	24	609	(Prefix)-24-CSF24								
	30	762	(Prefix)-30-CSF24								
	36	914	(Prefix)-36-CSF24	43 (1092)	39 (991)	44 (1118)	39 (991)	45 (1143)	39 (991)	46 (1168)	39 (991)
	42	1067	(Prefix)-42-CSF24								
	6	152	(Prefix)-06-CSF36								
	9	228	(Prefix)-09-CSF36								
	12	305	(Prefix)-12-CSF36								
	18	457	(Prefix)-18-CSF36								
	24	609	(Prefix)-24-CSF36								
	30	762	(Prefix)-30-CSF36	55 (1397)	51 (1295)	56 (1422)	51 (1295)	57 (1448)	51 (1295)	58 (1473)	51 (1295)
	36	914	(Prefix)-36-CSF36								
	42	1067	(Prefix)-42-CSF36								
	6	152	(Prefix)-06-CSF48								
	9	228	(Prefix)-09-CSF48								
	12	305	(Prefix)-12-CSF48								
	18	457	(Prefix)-18-CSF48								
48 (1219)	24	609	(Prefix)-24-CSF48								
	30	762	(Prefix)-30-CSF48								
	36	914	(Prefix)-36-CSF48								
	42	1067	(Prefix)-42-CSF48								

(Prefix) See page AL-41 for catalog number prefix.

Manufacturing tolerances apply to all dimensions.

Series 2, 3, 4, & 5 Aluminum Cable Ladder

Aluminum