

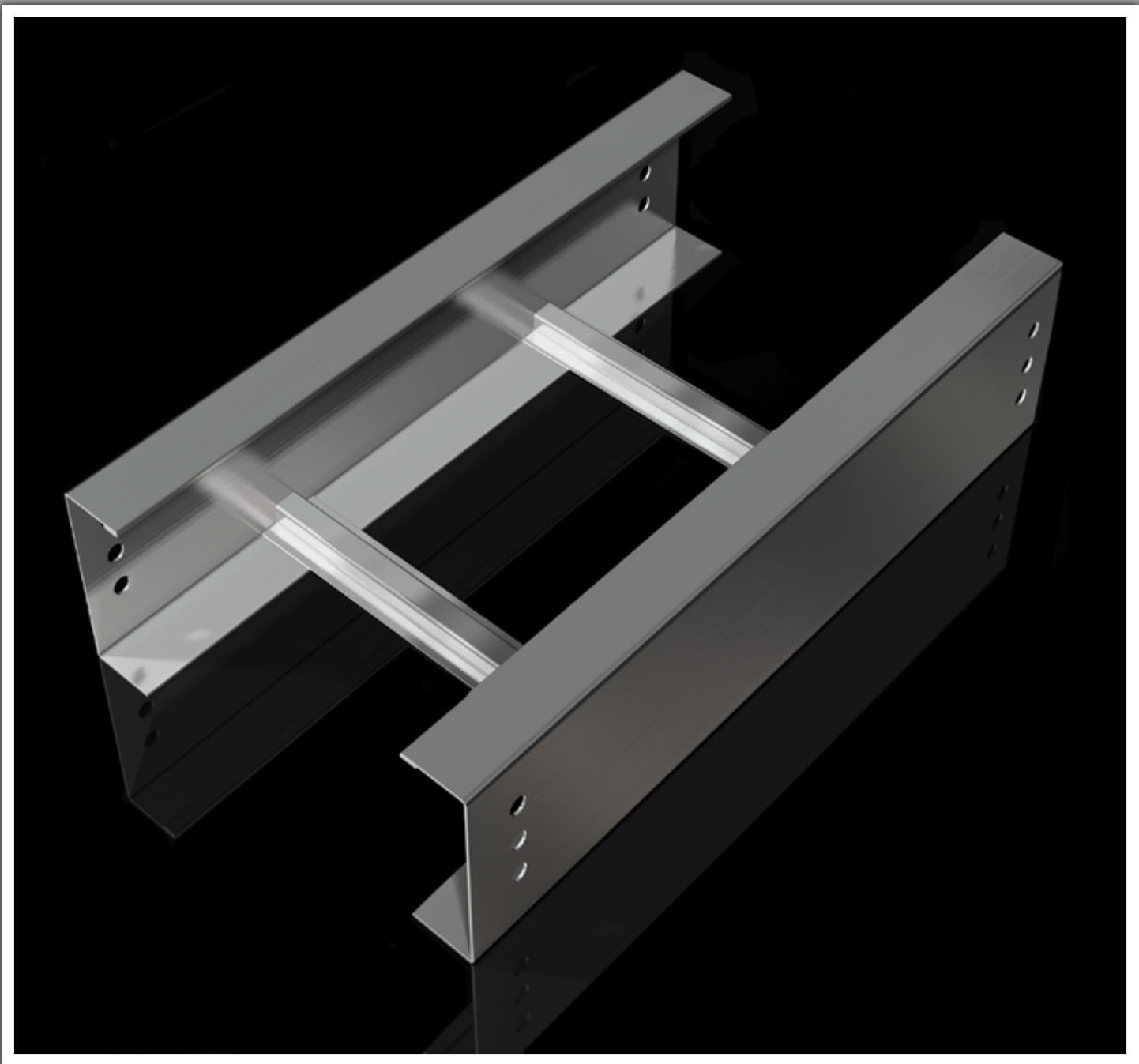


**MP HUSKY**<sup>™</sup>  
CABLE TRAY & CABLE BUS

## **Husky Ladder Flange-In**

*In Steel & Aluminum*

Selection Tables ..... Pg. 37  
Numbering System..... Pg. 38  
Loading Tables..... Pgs. 39-45





## Selection Tables (For actual loading capacity see Load Tables in this section)

**3-FLANGE IN LADDER**

NEMA Class	NEMA Load (lbs.) /Span (ft.)	Tray Height	Load Depth	Top Flange Width	Prefix	Tray Height	Load Depth	Top Flange Width	Prefix HDGAF	Prefix Mill-Galv
<b>8A</b>	50/8	4.50	3.50	.75	A( )JA	3.375	2.82	1.25	S( )HA	P( )HA
		6.00	5.00	1.00	A( )MB1	4.00	3.00	1.25	S( )J2	P( )J2
						6.00	5.00	1.00	S( )M61	P( )M61
<b>8B</b>	75/8	4.50	3.50	.75	A( )JA	3.375	2.82	1.25	S( )HA	P( )HA
		6.00	5.00	1.00	A( )MB1	4.00	3.00	1.25	S( )J2	P( )J2
						6.00	5.00	1.00	S( )M61	P( )M61
<b>8C</b>	100/8	4.50	3.50	.75	A( )JA	3.375	2.82	1.25	S( )HA	P( )HA
		6.00	5.00	1.00	A( )MB1	4.00	3.00	1.25	S( )J2	P( )J2
						6.00	5.00	1.00	S( )M61	P( )M61
<b>12A</b>	50/12	4.50	3.50	.75	A( )JA	3.375	2.82	1.25	S( )HA	P( )HA
		6.00	5.00	1.00	A( )MB1	4.00	3.00	1.25	S( )J2	P( )J2
						6.00	5.00	1.00	S( )M61	P( )M61
<b>12B</b>	75/12	4.50	3.50	.75	A( )JB	4.00	3.00	1.25	S( )J2	P( )J2
		6.00	5.00	1.00	A( )MB1	6.00	5.00	1.00	S( )M61	P( )M61
<b>12C</b>	100/12	4.50	3.50	1.50	A( )YA2	4.50	3.50	1.25	S( )JC	P( )JC
		6.00	5.00	1.00	A( )MB1	6.00	5.00	.75	S( )MD4	P( )MD4
						7.00	6.00	.75	S( )MD7	P( )MD7
<b>12C+</b>	100+/12	4.50	3.50	1.50	A( )YA2	4.50	3.50	1.75	S( )YD	S( )YD
		6.00	5.00	1.25	A( )MC	6.00	5.00	.75	S( )MD4	P( )MD4
						7.00	6.00	.75	S( )MD74	P( )MD74
<b>16A</b>	50/16	4.50	3.50	1.50	A( )YA2	4.50	3.50	1.75	S( )YD	P( )YD
		6.00	5.00	1.75	A( )XA	6.25	5.25	1.75	S( )XB	P( )XB
<b>16B</b>	75/16	4.50	3.50	1.50	A( )YA2	4.50	3.50	1.75	S( )YD	P( )YD
		6.00	5.00	1.75	A( )XA	6.25	5.25	1.75	S( )XB	P( )XB
<b>16C</b>	100/16	6.00	5.00	1.75	A( )XA	6.25	5.25	1.75	S( )XB	P( )XB
						7.00	6.00	1.75	S( )XA7	P( )XA7
<b>20A</b>	50/20	4.50	3.50	1.50	A( )YA2	4.50	3.50	1.75	S( )YD	P( )YD
		6.00	5.00	1.75	A( )XA	6.25	5.25	1.75	S( )XB	P( )XB
						7.00	6.00	1.75	S( )XA7	P( )XA7
<b>20B</b>	75/20	6.00	5.00	1.75	A( )X	6.25	5.25	1.75	S( )XB	P( )XB
		7.00	6.00	1.75	A( )X7	7.00	6.00	1.75	S( )XB7	P( )XB7
<b>20C</b>	100/20	6.00	5.00	1.75	A( )X1	6.25	5.25	1.75	S( )XC	P( )XC
		7.00	6.00	1.75	A( )X71	7.00	6.00	1.75	S( )XC7	P( )XC7
		8.00	7.00	1.75	A( )L1					
		10.00	9.00	1.75	A( )D1					
<b>20C+</b>	100+/20	6.00	5.00	1.75	A( )X1M	6.25	5.25	1.75	S( )XD	P( )XD
		8.00	7.00	1.75	A( )L1	7.00	6.00	1.75	S( )XB7	P( )XB7
		10.00	9.00	1.75	A( )D1					
<b>24A</b>	50/24					6.25	5.25	1.75	S( )XD	P( )XD
						7.00	6.00	1.75	S( )XB7	P( )XB7
<b>24B</b>	75/24					6.25	5.25	1.75	S( )XD	P( )XD
						7.00	6.00	1.75	S( )XB7	P( )XB7
<b>24C</b>	100/24					7.00	6.00	1.75	S( )XD7	P( )XD7

*Since it accommodates the most cable in the least space, Flange-In Husky Ladder is typically used in applications where strength and reliability are important, but space is limited.*

# Numbering System

A9JA-24-144				
A	9	JA-	24-	144
Material	Rung Spacing	Tray Type	Width in Inches	Length in Inches
<b>Materials:</b> <b>A</b> =Aluminum <b>S</b> =HDGAF Steel <b>P</b> =Mill-Galvanized Steel <b>4</b> =Stainless Steel 304 <b>6</b> =Stainless Steel 316	<b>Rung Spacing:</b> 6" 9" 12"	<b>Tray Types:</b> <b>Aluminum</b> JA, JB, MB1, MC, YA2, XA, X, X1, X7, X71, L1, D1  <b>Steel</b> HA, J2, KC, M61, MD4, YD, XA, XB, XC, XD, MD7, MD74, XA7, XB7, XC7, XD7	<b>Widths:</b> 6" 9" 12" 18" 24" 30" 36"	<b>Lengths:</b> JA, JB, MB1, MC, MD4, HA, J2, KC, M61, MD4, MD7, and MD74 available in 10' (120") & 12' (144") only  All others available in 10' (120"), 12' (144"), 20' (240") & 24' (288")

3-FLANGE IN LADDER

## Other Technical Data



**Depth:**

3-3/8, 4, 6, 7, 8, and 10 inches nominal

**Fittings:**

12, 24, or 36 inch standard radii  
 (See the Fittings Section 10 of this catalog for more information).

**Splice Plates:**

Straight sections and fittings are supplied with splice plates and hardware.  
 (See Section 11 for details)

**Safety Factor:**

1.5 NEMA Standard

**Rung Options:**

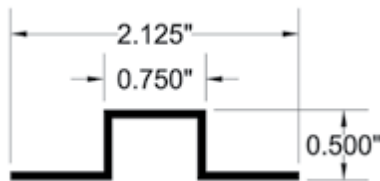
Flange-In tray can be supplied with optional slotted or strut type rungs for ease of securing cables with tie wraps, strut clamps or accessories.

*(For other tray sizes or specifications, please consult the factory)*

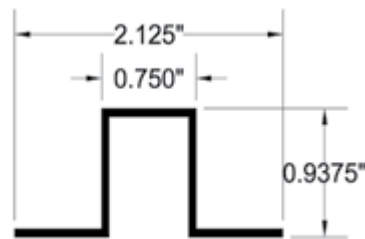


To ensure data available is most current, please visit [www.MPHUSKY.com](http://www.MPHUSKY.com)

## Rung Dimensions



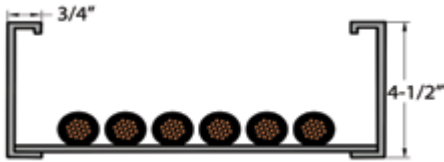
6"-24" Wide Aluminum Ladder  
 6"-24" Wide Steel Ladder  
 30"-36" Wide Steel "HA" Style Ladder



30"-36" Wide Steel & Aluminum Ladder  
 (Optional Steel Rung)

**3-FLANGE IN LADDER**
**A ( ) JA**

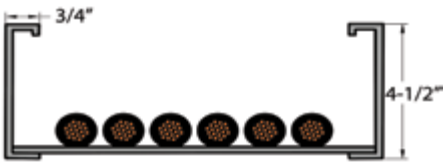
Use ALJA fittings

**NEMA 12A**


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
9	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
12	405*	0.11	240	0.34	135	0.61	86	0.96	60	1.38
18	270*	0.08	240	0.34	135	0.61	86	0.96	60	1.38
24	202*	0.06	202*	0.29	135	0.61	86	0.96	60	1.38
**30	376*	0.10	240	0.34	135	0.61	86	0.96	60	1.38
**36	313*	0.09	240	0.34	135	0.61	86	0.96	60	1.38

**A ( ) JB**

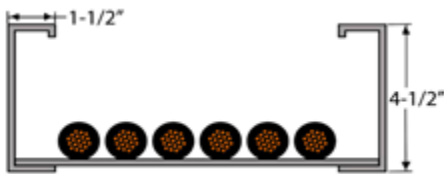
Use ALJB fittings

**NEMA 12B+/CSA C**


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	735	0.16	327	0.35	184	0.62	118	0.97	82	1.40
9	540*	0.11	327	0.35	184	0.62	118	0.97	82	1.40
12	405*	0.08	327	0.35	184	0.62	118	0.97	82	1.40
18	270*	0.06	270*	0.29	184	0.62	118	0.97	82	1.40
24	202*	0.04	202*	0.22	184	0.62	118	0.97	82	1.40
**30	376*	0.08	327	0.35	184	0.62	118	0.97	82	1.40
**36	313*	0.07	313*	0.34	184	0.62	118	0.97	82	1.40

**A ( ) YA2**

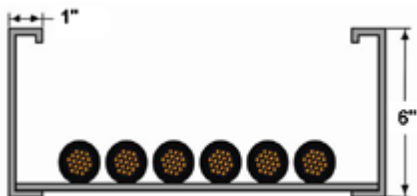
Use ALYA2 fittings

**NEMA 20A, 16B, 12C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
9	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
12	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
18	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
24	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
**30	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
**36	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53

**A ( ) MB1**

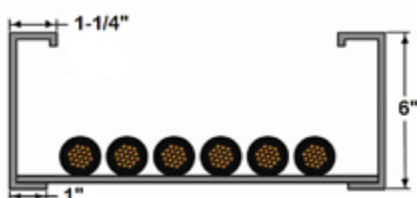
Use ALMB1 fittings

**NEMA 12C, 12B+**


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.09	436	0.20	245	0.36	157	0.56	109	0.80
9	540*	0.06	436	0.20	245	0.36	157	0.56	109	0.80
12	405*	0.04	405*	0.19	245	0.36	157	0.56	109	0.80
18	270*	0.03	270*	0.12	245	0.36	157	0.56	109	0.80
24	202*	0.02	202*	0.09	202*	0.30	157	0.56	109	0.80
**30	376*	0.04	376*	0.17	245	0.36	157	0.56	109	0.80
**36	313*	0.03	313*	0.14	245	0.36	157	0.56	109	0.80

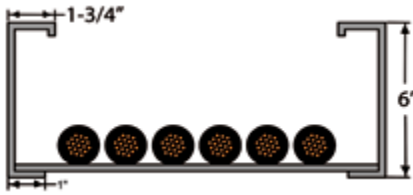
**A ( ) MC**

Use ALMC fittings

**NEMA 12C+**


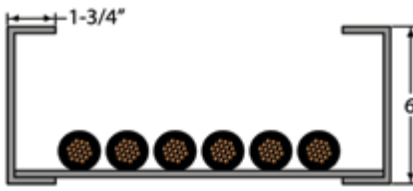
Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.08	508	0.22	286	0.39	183	0.61	127	0.87
9	540*	0.05	508	0.22	286	0.39	183	0.61	127	0.87
12	405*	0.04	405*	0.18	286	0.39	183	0.61	127	0.87
18	270*	0.03	270*	0.12	270*	0.37	183	0.61	127	0.87
24	202*	0.02	202*	0.09	202*	0.28	183	0.61	127	0.87
**30	376*	0.04	376*	0.16	286	0.39	183	0.61	127	0.87
**36	313*	0.03	313*	0.14	286	0.39	183	0.61	127	0.87

**A ( ) XA** Use ALX fittings  
**NEMA 20A+, 16C, 12C+**



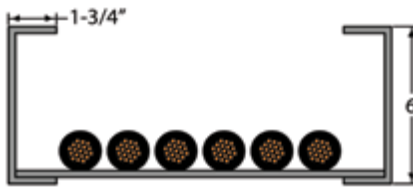
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
9	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
12	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
18	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
24	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
**30	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
**36	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29

**A ( ) X** Use ALX fittings  
**NEMA 20B, 16C+**



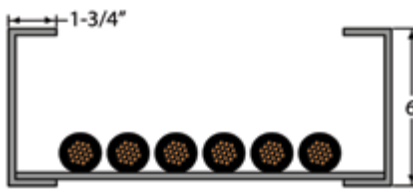
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
9	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
12	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
18	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
24	202*	0.89	153	1.26	117	1.64	93	2.08	75	2.56
**30	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
**36	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56

**A ( ) X1** Use ALX1 fittings  
**NEMA 20C, 16C+**



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
9	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
12	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
18	270*	1.10	204	1.53	156	2.00	123	2.53	100	3.13
24	202*	0.82	202*	1.51	156	2.00	123	2.53	100	3.13
**30	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13
**36	278	1.13	204	1.53	156	2.00	123	2.53	100	3.13

**A ( ) X1M** Use ALX1 fittings  
**NEMA 20C+, 16C+**



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
9	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
12	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
18	270*	1.02	241	1.68	184	2.20	146	2.78	118	3.44
24	202*	0.76	202*	1.41	184	2.20	146	2.78	118	3.44
**30	328	1.24	241	1.68	184	2.20	146	2.78	118	3.44
**36	313*	1.18	241	1.68	184	2.20	146	2.78	118	3.44

**Example:**

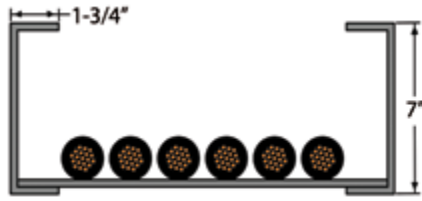
Part # <b>A9X1-24-144</b>				
<b>A</b>	<b>9</b>	<b>X1-</b>	<b>24-</b>	<b>144</b>
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

\* = Load limit is limited by the load carrying capacity of the transverse member (rung).  
 \*\*= Indicates the transverse member is a 15/16" high hat-shaped rung.

**USE COLOR CODING TO ASSEMBLE PART NUMBER**

**3-FLANGE IN LADDER**
**A ( ) X7**

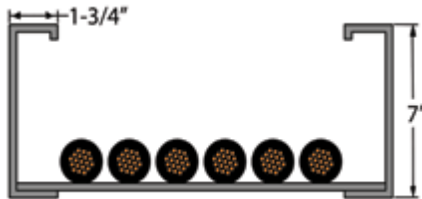
Use ALX7 fittings

**NEMA 20B+, 16C+, 12C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
9	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
12	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
18	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
24	202*	0.56	182	0.94	139	1.22	110	1.55	89	1.93
**30	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
**36	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93

**A ( ) X71**

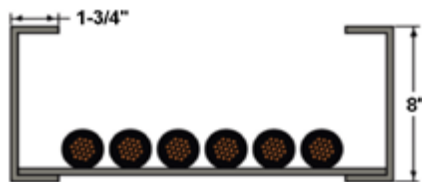
Use ALX7 fittings

**NEMA 20C+, 16C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
9	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
12	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
18	270*	0.68	253	1.17	194	1.52	153	1.93	124	2.38
24	202*	0.51	202*	0.93	194	1.52	153	1.93	124	2.38
**30	344	0.86	253	1.17	194	1.52	153	1.93	124	2.38
**36	313*	0.78	253	1.17	194	1.52	153	1.93	124	2.38

**A ( ) L1**

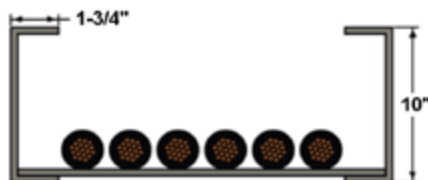
Use ALL1 fittings

**NEMA 20C+, 16C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
9	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
12	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
18	270*	0.55	269	1.02	206	1.33	163	1.68	132	2.07
24	202*	0.41	202*	0.77	202*	1.30	163	1.68	132	2.07
**30	367	0.75	269	1.02	206	1.33	163	1.68	132	2.07
**36	313*	0.64	269	1.02	206	1.33	163	1.68	132	2.07

**A ( ) D1**

Use ALD1 fittings

**NEMA 20C+, 16C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
9	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
12	397	0.46	292	0.62	223	0.81	177	1.03	143	1.27
18	270*	0.31	270*	0.57	223	0.81	177	1.03	143	1.27
24	202*	0.23	202*	0.43	202*	0.73	177	1.03	143	1.27
**30	376*	0.44	292	0.62	223	0.81	177	1.03	143	1.27
**36	313*	0.36	292	0.62	223	0.81	177	1.03	143	1.27

Hot Dip Galvanized After Fabrication

**S ( ) HA**

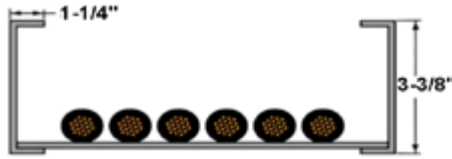
Use SLHA fittings

Mill-Galvanized

**P ( ) HA**

Use PLHA fittings

**NEMA 12A+**



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	585	0.10	260	0.22	146	0.40	94	0.62	65	0.89
9	573*	0.10	260	0.22	146	0.40	94	0.62	65	0.89
12	430*	0.07	260	0.22	146	0.40	94	0.62	65	0.89
18	287*	0.05	260	0.22	146	0.40	94	0.62	65	0.89
24	215*	0.04	215*	0.18	146	0.40	94	0.62	65	0.89
30	172*	0.03	172*	0.15	146	0.40	94	0.62	65	0.89
36	143*	0.02	143*	0.12	143*	0.39	94	0.62	65	0.89

3-FLANGE IN LADDER

Hot Dip Galvanized After Fabrication

**S ( ) J2**

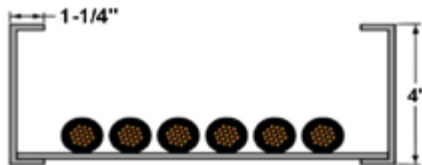
Use SLJ2 fittings

Mill-Galvanized

**P ( ) J2**

Use PLJ2 fittings

**NEMA 12B+**



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	729	0.09	324	0.19	182	0.33	117	0.52	81	0.75
9	573*	0.07	324	0.19	182	0.33	117	0.52	81	0.75
12	430*	0.05	324	0.19	182	0.33	117	0.52	81	0.75
18	287*	0.03	287*	0.17	182	0.33	117	0.52	81	0.75
24	215*	0.03	215*	0.13	182	0.33	117	0.52	81	0.75
**30	503*	0.06	324	0.19	182	0.33	117	0.52	81	0.75
**36	419*	0.05	324	0.19	182	0.33	117	0.52	81	0.75

Hot Dip Galvanized After Fabrication

**S ( ) KC**

Use SLKC fittings

Mill-Galvanized

**P ( ) KC**

Use PLKC fittings

**NEMA 12C+**



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.07	488	0.20	275	0.35	176	0.55	122	0.80
9	573*	0.05	488	0.20	275	0.35	176	0.55	122	0.80
12	430*	0.04	430*	0.18	275	0.35	176	0.55	122	0.80
18	287*	0.02	287*	0.12	275	0.35	176	0.55	122	0.80
24	215*	0.02	215*	0.09	215*	0.27	176	0.55	122	0.80
**30	503*	0.05	488	0.20	275	0.35	176	0.55	122	0.80
**36	419*	0.04	419*	0.17	275	0.35	176	0.55	122	0.80

Hot Dip Galvanized After Fabrication

**S ( ) YD**

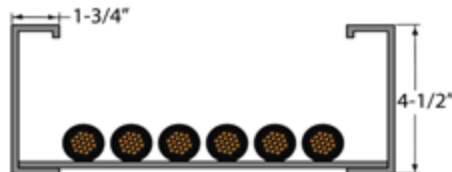
Use SLYD fittings

Mill-Galvanized

**P ( ) YD**

Use PLYD fittings

**NEMA 20A, 16B+, 12C+**



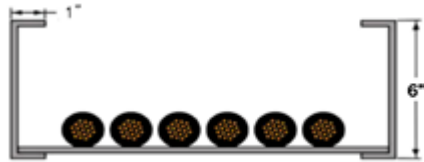
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
9	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
12	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
18	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
24	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
**30	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15
**36	147	0.77	108	1.05	83	1.37	65	1.74	53	2.15

Hot Dip Galvanized After Fabrication

**S ( ) M61** Use SLM61 fittings

Mill-Galvanized

**P ( ) M61** Use PLM61 fittings

**NEMA 12B+**


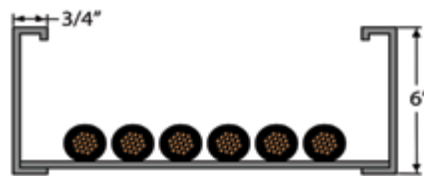
Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	855	0.05	380	0.11	214	0.19	137	0.29	95	0.42
9	573*	0.03	380	0.11	214	0.19	137	0.29	95	0.42
12	430*	0.03	380	0.11	214	0.19	137	0.29	95	0.42
18	287*	0.02	287*	0.08	214	0.19	137	0.29	95	0.42
24	215*	0.01	215*	0.06	214	0.19	137	0.29	95	0.42
**30	503*	0.05	380	0.11	214	0.19	137	0.29	95	0.42
**36	419*	0.04	380	0.11	214	0.19	137	0.29	95	0.42

Hot Dip Galvanized After Fabrication

**S ( ) MD4** Use SLMD4 fittings

Mill-Galvanized

**P ( ) MD4** Use PLMD4 fittings

**NEMA 12C+**


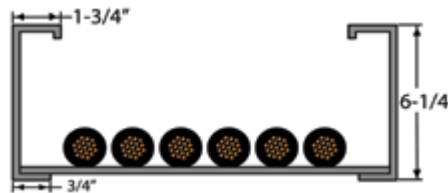
Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.02	520	0.11	293	0.19	187	0.30	130	0.44
9	573*	0.01	520	0.11	293	0.19	187	0.30	130	0.44
12	430*	0.01	430*	0.09	293	0.19	187	0.30	130	0.44
18	287*	0.01	287*	0.06	287*	0.19	187	0.30	130	0.44
24	215*	0.01	215*	0.05	215*	0.14	187	0.30	130	0.44
**30	503*	0.02	503*	0.11	293	0.19	187	0.30	130	0.44
**36	419*	0.02	419*	0.09	293	0.19	187	0.30	130	0.44

Hot Dip Galvanized After Fabrication

**S ( ) XB** Use SLXB fittings

Mill-Galvanized

**P ( ) XB** Use PLXB fittings

**NEMA 20B, 16C+, 12C+**


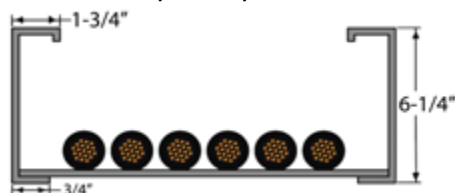
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
9	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
12	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
18	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
24	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
**30	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76
**36	208	0.64	153	0.86	117	1.40	93	1.42	75	1.76

Hot Dip Galvanized After Fabrication

**S ( ) XC** Use SLXC fittings

Mill-Galvanized

**P ( ) XC** Use PLXC fittings

**NEMA 20C+, 16C+, 12C+**


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
9	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
12	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
18	287*	0.70	241	1.04	184	1.43	146	1.81	118	2.24
24	215*	0.52	215*	0.93	184	1.43	146	1.81	118	2.24
**30	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
**36	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24



Hot Dip Galvanized After Fabrication

**S ( ) XD**

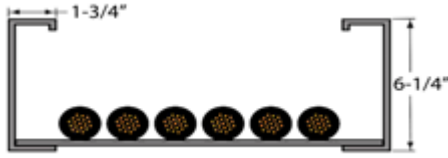
Use SLXD fittings

Mill-Galvanized

**P ( ) XD**

Use PLXD fittings

**NEMA 24B+, 20C+**



Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
9	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
12	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
18	287*	0.57	212	1.30	135	2.05	119	2.32	94	2.94
24	215*	0.42	212	1.30	135	2.05	119	2.32	94	2.94
**30	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94
**36	376	0.74	212	1.30	135	2.05	119	2.32	94	2.94

3-FLANGE IN LADDER

Hot Dip Galvanized After Fabrication

**S ( ) MD7**

Use SLMD7 fittings

Mill-Galvanized

**P ( ) MD7**

Use PLMD7 fittings

**NEMA 12C**



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.03	400	0.07	225	0.12	144	0.19	100	0.28
9	573*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
12	430*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
18	287*	0.01	287*	0.05	225	0.12	144	0.19	100	0.28
24	215*	0.01	215*	0.04	215*	0.12	144	0.19	100	0.28
**30	503*	0.02	400	0.07	225	0.12	144	0.19	100	0.28
**36	419*	0.01	400	0.07	225	0.12	144	0.19	100	0.28

Hot Dip Galvanized After Fabrication

**S ( ) MD74**

Use SLMD74 fittings

Mill-Galvanized

**P ( ) MD74**

Use PLMD74 fittings

**NEMA 12C+**



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	860*	0.03	840	0.12	473	0.21	302	0.33	210	0.47
9	573*	0.02	573*	0.08	473	0.21	302	0.33	210	0.47
12	430*	0.02	430*	0.06	430*	0.19	302	0.33	210	0.47
18	287*	0.01	287*	0.04	287*	0.13	287*	0.31	210	0.47
24	215*	0.01	215*	0.03	215*	0.12	215*	0.24	210	0.47
**30	503*	0.02	503*	0.07	473	0.21	302	0.33	210	0.47
**36	419*	0.01	419*	0.06	419*	0.19	302	0.33	210	0.47

Hot Dip Galvanized After Fabrication

**S ( ) XA7**

Use SLXA7 fittings

Mill-Galvanized

**P ( ) XA7**

Use PLXA7 fittings

**NEMA 20A+**



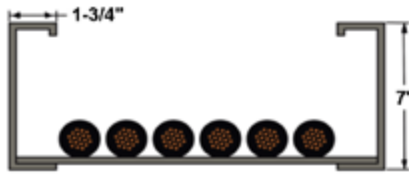
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
9	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
12	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
18	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
24	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
**30	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38
**36	192	1.22	141	1.66	108	2.16	85	2.73	69	3.38

Hot Dip Galvanized After Fabrication

**S ( ) XB7** Use SLXB7 fittings

Mill-Galvanized

**P ( ) XB7** Use PLXB7 fittings

**NEMA 24B+, 20C+**


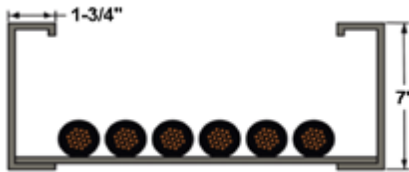
Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
9	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
12	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
18	287*	0.51	214	1.19	137	1.86	103	2.05	86	2.44
24	215*	0.38	214	1.19	137	1.86	103	2.05	86	2.44
**30	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44
**36	380	0.67	214	1.19	137	1.86	103	2.05	86	2.44

Hot Dip Galvanized After Fabrication

**S ( ) XC7** Use SLXC7 fittings

Mill-Galvanized

**P ( ) XC7** Use PLXC7 fittings

**NEMA 20C, 20B+**


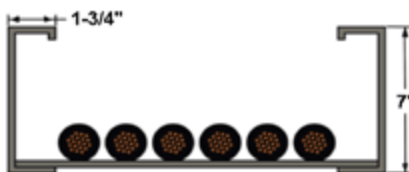
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
9	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
12	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
18	287*	0.43	214	0.59	164	0.77	130	0.98	105	1.21
24	215*	0.32	214	0.59	164	0.77	130	0.98	105	1.21
**30	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21
**36	292	0.44	214	0.59	164	0.77	130	0.98	105	1.21

Hot Dip Galvanized After Fabrication

**S ( ) XD7** Use SLXD7 fittings

Mill-Galvanized

**P ( ) XD7** Use PLXD7 fittings

**NEMA 24C**


Span (ft.)	12		14		16		20		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
9	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
12	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
18	287*	0.43	287*	0.80	240	1.13	154	1.77	100	2.39
24	215*	0.32	215*	0.60	215*	1.01	154	1.77	100	2.39
**30	427	0.64	314	0.87	240	1.13	154	1.77	100	2.39
**36	419*	0.63	314	0.87	240	1.13	154	1.77	100	2.39

**Example:**

Part # S9XB7-24-144				
<b>S</b>	<b>9</b>	<b>XB7-</b>	<b>24-</b>	<b>144</b>
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

\* = Load limit is limited by the load carrying capacity of the transverse member (rung).

\*\*= Indicates the transverse member is a 15/16" hat shaped rung.

**USE COLOR CODING TO ASSEMBLE PART NUMBER**