

Husky Ladder - Flange In

In Steel & Aluminum

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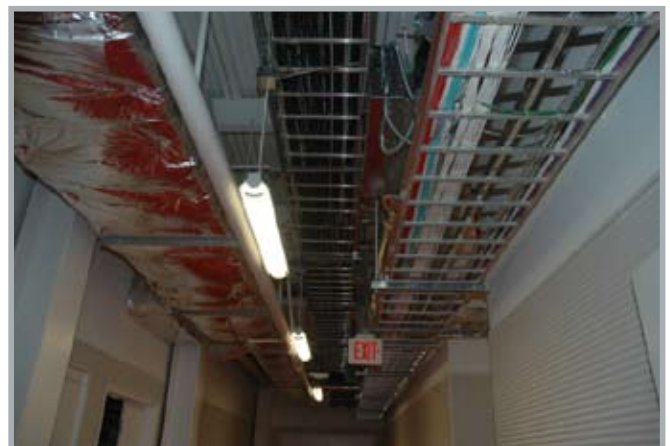


Selection Tables

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
8A	50/8	4.50	3.50	.75	A()JA	3.375	2.82	.75	S()H	P()H
		6.00	4.96	.75	A()MB	4.00	3.44	.75	S()J	P()J
						6.00	5.44	.75	S()M	P()M
8B	75/8	4.50	3.50	.75	A()JA	3.375	2.82	.75	S()H	P()H
		6.00	4.96	.75	A()MB	4.00	3.44	.75	S()J	P()J
						6.00	5.44	.75	S()M	P()M
8C	100/8	4.50	3.50	.75	A()JA	3.375	2.82	.75	S()H	P()H
		6.00	4.96	.75	A()MB	4.00	3.44	.75	S()J	P()J
						6.00	5.44	.75	S()M	P()M
12A	50/12	4.50	3.50	.75	A()JA	3.375	2.82	.75	S()H	P()H
		6.00	4.96	.75	A()MB	4.00	3.44	.75	S()J	P()J
						6.00	5.44	.75	S()M	P()M
12B	75/12	4.50	3.47	.75	A()JB	4.00	3.44	.75	S()J	P()J
		6.00	4.96	.75	A()MB	6.00	5.44	.75	S()M	P()M
12C	100/12	4.50	3.47	1.50	A()YA	4.50	3.94	.75	S()JC	P()JC
		6.00	4.96	1.25	A()XA	6.00	5.44	.75	S()MD	P()MD
16A	50/16	4.50	3.47	1.50	A()YA	4.50	3.94	1.75	S()YD	P()YD
		6.00	4.96	1.25	A()XA	6.25	5.44	1.75	S()XB	P()XB
16B	75/16	4.50	3.47	1.50	A()YA	4.50	3.94	1.75	S()YD	P()YD
		6.00	4.96	1.75	A()XA	6.25	5.69	1.75	S()XB	P()XB
16C	100/16	6.00	4.94	1.75	A()X	6.25	5.69	1.75	S()XB	P()XB
20A	50/20	4.50	3.47	1.50	A()YA	4.50	3.94	1.75	S()YD	P()YD
		6.00	4.96	1.75	A()XA	6.25	5.69	1.75	S()XB	P()XB
20B	75/20	6.00	4.94	1.75	A()X	6.25	5.69	1.75	S()XB	P()XB
		7.00	5.94	1.75	A()X7					
20C	100/20	6.00	4.94	1.75	A()X1	6.25	5.68	1.75	S()XC	P()XC
		7.00	5.94	1.75	A()X71					
20C+	100+/20					6.25	5.68	1.75	S()XD	P()XD
24C						6.25	5.68	1.75	S()XD	P()XD

FLANGE IN LADDER

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
Materials: A =Aluminum S =HDGAF Steel P =Mill-Galvanized Steel 4 =Stainless Steel 304 6 =Stainless Steel 316	Rung Spacing: 6" 9" 12"	Tray Types: Aluminum JA, JB, MB, YA, XA, X, X1, X7, X71 Steel H, J, JC, M, MD, YD, XB, XC, XD	Widths: 6" 9" 12" 18" 24" 30" 36"	Lengths: JA, JB, MB, MD, H, J, JC, M and MD available in 10' (120") 12' (144") only All others available in 10' (120"), 12' (144"), 20' (240") & 24' (288")

FLANGE IN LADDER

Other Technical Data



Depth:

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

Fittings:

12, 24, or 36 inch standard radii

(See the Fittings Section 9 of this catalog for more information).

Splice Plates:

Straight sections and fittings are supplied with splice plates and hardware.

Safety Factor:

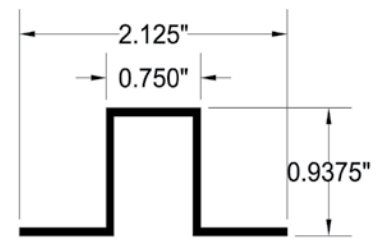
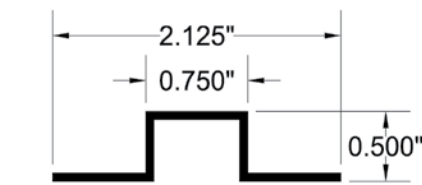
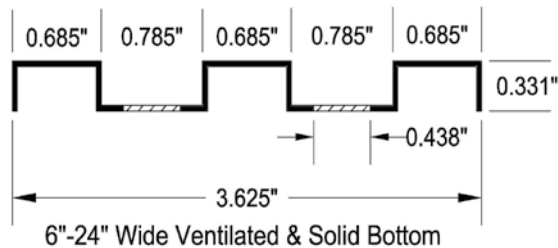
1.5 NEMA Standard

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)

Rung Dimensions



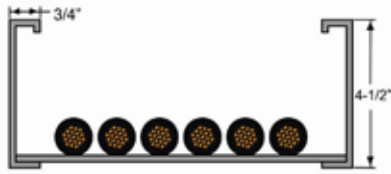
6"-24" Wide Aluminum Ladder
 6"-36" Wide Steel Ladder (except "H" style)

30"-36" Wide Aluminum Ladder

A () JA

Use ALJA fittings

NEMA 12A

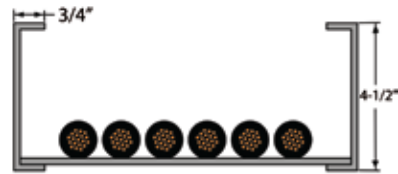


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
9	540	0.15	240	0.34	135	0.61	86	0.96	60	1.38
12	405*	0.11	240	0.34	135	0.61	86	0.96	60	1.38
18	270*	0.08	240	0.34	135	0.61	86	0.96	60	1.38
24	202*	0.06	202*	0.29	135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

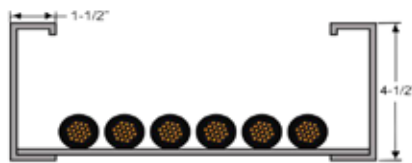


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	675	0.14	300	0.32	169	0.57	108	0.89	75	1.28
9	540*	0.11	300	0.32	169	0.57	108	0.89	75	1.28
12	405*	0.08	300	0.32	169	0.57	108	0.89	75	1.28
18	270*	0.06	270*	0.29	169	0.57	108	0.89	75	1.28
24	202*	0.04	202*	0.22	169	0.57	108	0.89	75	1.28
30	376*	0.08	300	0.32	169	0.57	108	0.89	75	1.28
36	313*	0.07	300	0.32	169	0.57	108	0.89	75	1.28

A () YA

Use ALYA fittings

NEMA 20A, 16B, 12C/CSA D

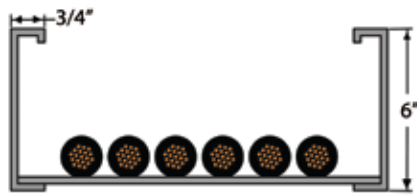


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
9	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
12	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
18	139	1.63	102	2.22	78	2.90	62	3.67	50	4.53
24	139	1.63	102	2.22	78	2.90	62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

Use ALMB fittings

NEMA 12B

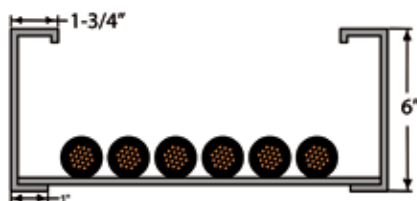


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	675	0.06	300	0.15	169	0.27	108	0.43	75	0.62
9	540*	0.05	300	0.15	169	0.27	108	0.43	75	0.62
12	405*	0.04	300	0.15	169	0.27	108	0.43	75	0.62
18	270*	0.02	270*	0.14	169	0.27	108	0.43	75	0.62
24	202*	0.02	202*	0.10	169	0.27	108	0.43	75	0.62
30	376*	0.03	300	0.15	169	0.27	108	0.43	75	0.62
36	313*	0.03	300	0.15	169	0.27	108	0.43	75	0.62

A () XA

Use ALX fittings

NEMA 20A, 16B, 12C



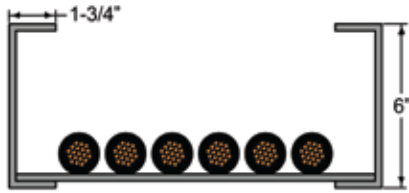
Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43
12	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43
18	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43
24	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43
30	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43
36	144	0.87	106	1.19	81	1.56	64	1.97	52	2.43

FLANGE IN LADDER

A () X

Use ALX fittings

NEMA 20B, 16C

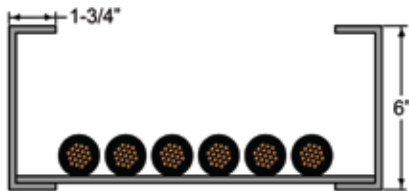


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
12	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
18	208	0.92	153	1.26	117	1.64	93	2.08	75	2.56
24	202*	0.89	153	1.26	117	1.64	93	2.08	75	2.56
30	208	0.92	153	1.26	117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

NEMA 20C, 16C

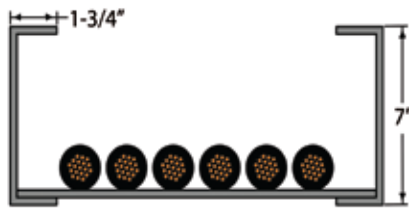


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	314	1.27	231	1.73	177	2.26	140	2.86	113	3.53
12	314	1.27	231	1.73	177	2.26	140	2.86	113	3.53
18	270*	1.09	231	1.73	177	2.26	140	2.52	113	3.53
24	202*	0.82	202*	1.51	177	2.26	140	2.52	113	3.53
30	314	1.12	231	1.73	177	2.26	140	2.52	113	3.53
36	313*	1.27	231	1.73	177	2.26	140	2.52	113	3.53

A () X7

Use ALX7 fittings

NEMA 20B, 16C, 12C

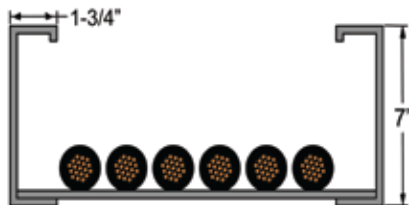


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
12	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
18	247	0.69	182	0.94	139	1.22	110	1.55	89	1.93
24	202*	0.56	182	0.94	139	1.22	110	1.55	89	1.93
30	247	0.69	182	0.94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



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	278	0.69	204	0.94	156	1.23	123	1.56	100	1.92
12	278	0.69	204	0.94	156	1.23	123	1.56	100	1.92
18	270*	0.67	204	0.94	156	1.23	123	1.56	100	1.92
24	202*	0.50	202*	0.93	156	1.23	123	1.56	100	1.92
30	278	0.69	204	0.94	156	1.23	123	1.56	100	1.92
36	278	0.69	204	0.94	156	1.23	123	1.56	100	1.92

Span length is indicated in feet. All other dimensions are in inches.

* Indicates that the load is limited by the load carrying capacity of the transverse member (rung).

FLANGE IN LADDER

Hot Dip Galvanized After Fabrication



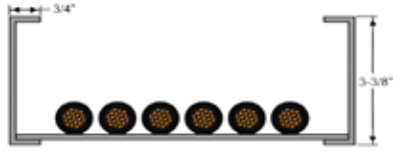
Use SLH fittings

Mill-Galvanized



Use PLH fittings

NEMA 12A



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	408*	0.09	280	0.24	157	0.57	101	0.88	70	1.27
9	272*	0.06	272*	0.31	157	0.57	101	0.88	70	1.27
12	204*	0.05	204*	0.23	157	0.57	101	0.88	70	1.27
18	136*	0.03	136*	0.24	136*	0.49	101	0.88	70	1.27
24	102*	0.02	102*	0.12	102*	0.37	101	0.88	70	1.27
**30	261*	0.06	261*	0.22	157	0.57	101	0.88	70	1.27
**36	218*	0.05	218*	0.19	157	0.57	101	0.88	70	1.27

Hot Dip Galvanized After Fabrication



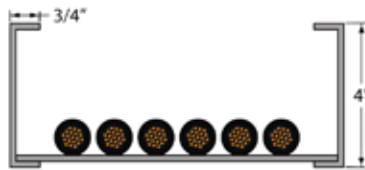
Use SLJ fittings

Mill-Galvanized



Use PLJ 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	675	0.10	300	0.22	169	0.40	108	0.62	75	0.90
**9	675	0.10	300	0.22	169	0.40	108	0.62	75	0.90
**12	653*	0.10	300	0.22	169	0.40	108	0.62	75	0.90
**18	436*	0.07	300	0.22	169	0.40	108	0.62	75	0.90
**24	327*	0.05	300	0.22	169	0.40	108	0.62	75	0.90
**30	261*	0.04	261*	0.19	169	0.40	108	0.62	75	0.90
**36	218*	0.03	218*	0.16	169	0.40	108	0.62	75	0.90

Hot Dip Galvanized After Fabrication



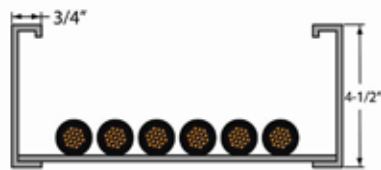
Use SLJC fittings

Mill-Galvanized



Use PLJC fittings

NEMA 12C



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
**9	871*	0.09	440	0.23	248	0.41	158	0.65	110	0.94
**12	653*	0.07	440	0.23	248	0.41	158	0.65	110	0.94
**18	436*	0.04	436*	0.23	248	0.41	158	0.65	110	0.94
**24	327*	0.03	327*	0.17	248	0.41	158	0.65	110	0.94
**30	261*	0.03	261*	0.14	248	0.41	158	0.65	110	0.94
**36	218*	0.02	218*	0.11	218*	0.36	158	0.65	110	0.94
**6	990	0.10	440	0.23	248	0.41	158	0.65	110	0.94

Hot Dip Galvanized After Fabrication



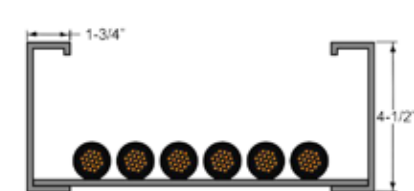
Use SLYD fittings

Mill-Galvanized



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
**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

FLANGE IN LADDER

Hot Dip Galvanized After Fabrication



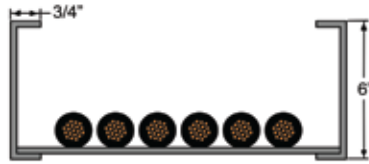
Use SLM fittings

Mill-Galvanized



Use PLM fittings

NEMA 12B



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
**9	778	0.08	346	0.10	195	0.17	125	0.27	87	0.39
**12	653*	0.07	346	0.10	195	0.17	125	0.27	87	0.39
**18	436*	0.05	346	0.10	195	0.17	125	0.27	87	0.39
**24	327*	0.03	327*	0.10	195	0.17	125	0.27	87	0.39
**30	261*	0.03	261*	0.08	195	0.17	125	0.27	87	0.39
**36	218*	0.02	218*	0.06	195	0.17	125	0.27	87	0.39
**6	778	0.08	346	0.10	195	0.17	125	0.27	87	0.39

Hot Dip Galvanized After Fabrication



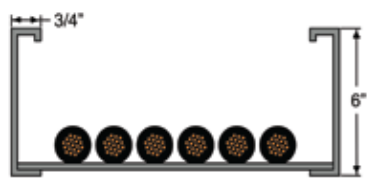
Use SLMD fittings

Mill-Galvanized



Use PLMD fittings

NEMA 12C/CSA D



Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
**6	1116	0.05	496	0.12	279	0.22	179	0.35	124	0.51
**9	871*	0.04	496	0.12	279	0.22	179	0.35	124	0.51
**12	653*	0.03	496	0.12	279	0.22	179	0.35	124	0.51
**18	436*	0.02	436*	0.11	279	0.22	179	0.35	124	0.51
**24	327*	0.02	327*	0.08	279	0.22	179	0.35	124	0.51
**30	261*	0.01	261*	0.06	261*	0.21	179	0.35	124	0.51
**36	218*	0.01	218*	0.05	218*	0.17	179	0.35	124	0.51

Hot Dip Galvanized After Fabrication



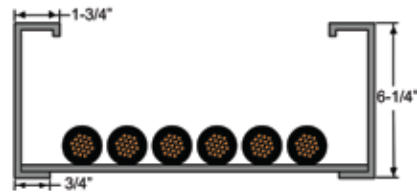
Use SLXB fittings

Mill-Galvanized



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
**9	236	0.71	173	0.97	133	1.27	105	1.61	85	1.99
**12	236	0.71	173	0.97	133	1.27	105	1.61	85	1.99
**18	236	0.71	173	0.97	133	1.27	105	1.61	85	1.99
**24	236	0.71	173	0.97	133	1.27	105	1.61	85	1.99
**30	236	0.71	173	0.97	133	1.27	105	1.61	85	1.99
**36	218*	0.66	173	0.97	133	1.27	105	1.61	85	1.99

Hot Dip Galvanized After Fabrication



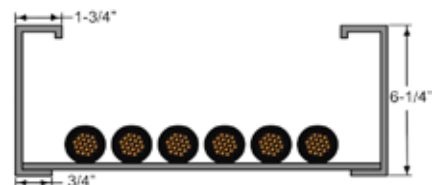
Use SLXC fittings

Mill-Galvanized



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
**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	328	0.80	241	1.04	184	1.43	146	1.81	118	2.24
**24	327*	0.80	241	1.04	184	1.43	146	1.81	118	2.24
**30	261*	0.64	241	1.04	184	1.43	146	1.81	118	2.24
**36	218*	0.53	218*	0.94	184	1.43	146	1.81	118	2.24

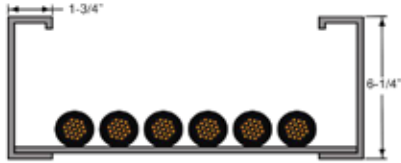
Hot Dip Galvanized After Fabrication

S () XD Use SLXD fittings

Mill-Galvanized

P () XD Use PLXD fittings

NEMA 24C, 20C+



Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
**9	425	0.83	239	1.48	153	2.31	126	2.79	106	3.32
**12	425	0.83	239	1.48	153	2.31	126	2.79	106	3.32
**18	425	0.79	239	1.48	153	2.31	126	2.79	106	3.32
**24	327*	0.64	239	1.48	153	2.31	126	2.79	106	3.32
**30	261*	0.51	239	1.48	153	2.31	126	2.79	106	3.32
**36	218*	0.43	218*	1.35	153	2.31	126	2.79	106	3.32

FLANGE IN LADDER

Example:

Part # S9MD-24-144				
S	9	MD-	24-	144
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

USE COLOR CODING TO ASSEMBLE PART NUMBER

S = Steel HDGAF
P = Pre-Galvanized

* = Load limit is limited by the load carrying capacity of the transverse member (rung).
 ** = Indicates the transverse member is hat-shaped.