



MP HUSKY[™]
CABLE TRAY & CABLE BUS

Husky I-Beam

Aluminum

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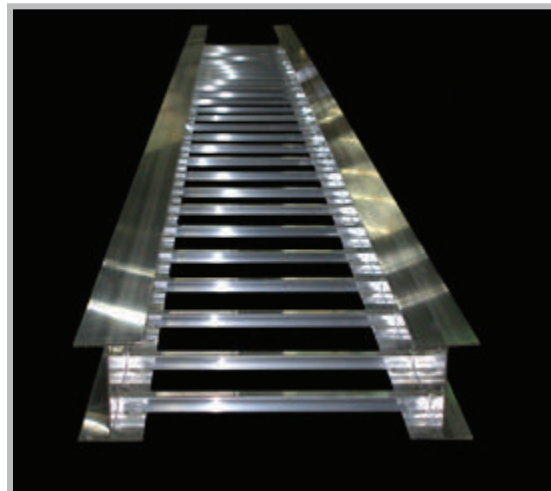


Selection Tables (For actual loading capacity see Load Tables in this section)

Aluminum I-Beam Tray					
NEMA Class	NEMA Load (lbs.)/ Span (ft.)	Tray Height (in)	Load Depth (in)	Top Flange Width (in)	Prefix
12A	50/12	4-1/2 6	3-1/2 5	1-1/4 2	A()IJA A()IMB
12B	75/12	4-1/2 6	3-1/2 5	1-1/4 2	A()IJB A()IMB
12C	100/12	4-1/2 6	3-1/2 5	1-1/4 2	A()IJC A()IMC
12C+	100+/12	6	5	2	A()IMD
20A	50/20	4-1/2 4-1/2 6	3-1/2 3-1/2 5	2 2 2	A()IYA A()IYB A()IXA
20B	75/20	4-1/2 6	3-1/2 5	2 2	A()IYB A()IXB
20C	100/20	4-1/2 6 7	3-1/2 5 6	2 2 2	A()IYC A()IXC A()IXD7
20C+	100+/20	6 7	5 6	2 2	A()IXD A()IXD7
24B+	75+/24	7	6	2	AIXD7
24C+	100+/24	6	5	3-1/2	A()I6
30C+	100+/30	8	7	3	A()I8

Note: See load tables for actual load information.

MP Husky now offers I-Beam style trays for customers that prefer the I-Beam style tray design or for those that want to add to existing I-Beam tray installations.



Numbering System

A9IMC-24-144				
A	9	IMC-	24-	144
Material	Rung Spacing	Tray Type	Width in Inches	Length in Inches
Materials: A= Aluminum	Rung Spacing: 6" 9" 12" 18"	Tray Types: IJA, IJB, IJC, IYA, IYB, IYC, IMB, IMC, IMD, IXA, IXB, IXC, IXD, I6, IXD7, I8	Widths: 6" 9" 12" 18" 24" 30" 36"	Lengths: IJA, IJB, IJC, IMB, IMC and IMD available in 10' (120") & 12' (144") Only All others available in 10' (120"), 12' (144"), 20' (240") & 24' (288") I8 is also available in 30' (360")

4-I-BEAM LADDER

Other Technical Data



Depth:

4-1/2, 6, 7 & 8 inches

Fittings:

12, 24 & 36 inch radius

(See the Fittings Section 10 of this catalog for more information)

Splice Plates:

Bolted splice connectors (See Section 11 for details)

Safety Factor: 1.5

Rung Options:

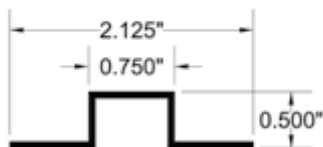
I-Beam tray can be supplied with optional slotted or strut type rungs for ease of securing cables with tie wraps, strut clamps or accessories.



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

To ensure data available is most current, please visit www.MPHUSKY.com

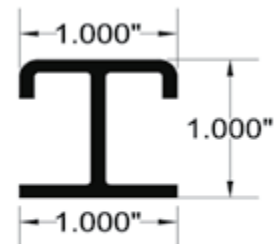
Rung Dimensions



6"-24" Wide Aluminum Ladder
Except I6 & I8



30"-36" Wide Aluminum Ladder
Except I6 & I8



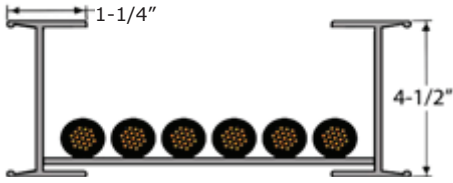
Rung used on
A()I6 & A()I8

4-I BEAM LADDER

A () IJA

Use ALIJA fittings

NEMA 12A

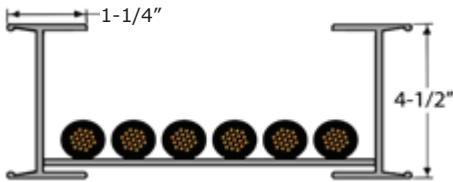


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	513	0.09	228	0.19	128	0.34	82	0.53	57	0.77
9	513	0.09	228	0.19	128	0.34	82	0.53	57	0.77
12	405*	0.09	228	0.19	128	0.34	82	0.53	57	0.77
18	270*	0.09	228	0.19	128	0.34	82	0.53	57	0.77
24	202*	0.09	202*	0.17	128	0.34	82	0.53	57	0.77
**30	376*	0.09	228	0.19	128	0.34	82	0.53	57	0.77
**36	313*	0.09	228	0.19	128	0.34	82	0.53	57	0.77

A () IJB

Use ALIJB fittings

NEMA 12B+

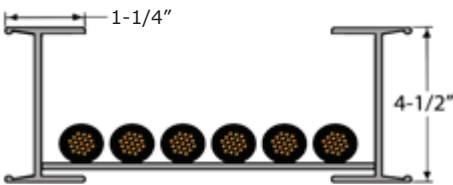


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.14	372	0.32	209	0.56	134	0.87	93	1.26
9	540*	0.09	372	0.32	209	0.56	134	0.87	93	1.26
12	405*	0.07	372	0.32	209	0.56	134	0.87	93	1.26
18	270*	0.05	270*	0.23	209	0.56	134	0.87	93	1.26
24	202*	0.03	202*	0.17	202*	0.54	134	0.87	93	1.26
**30	376*	0.07	372	0.32	209	0.56	134	0.87	93	1.26
**36	313*	0.05	313*	0.27	209	0.56	134	0.87	93	1.26

A () IJC

Use ALIJC fittings

NEMA 12C

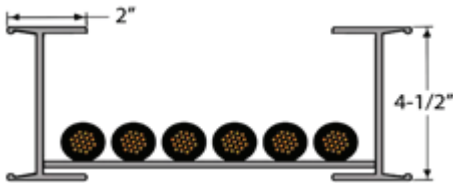


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.12	400	0.29	225	0.52	144	0.82	100	1.18
9	540*	0.08	400	0.29	225	0.52	144	0.82	100	1.18
12	405*	0.06	400	0.29	225	0.52	144	0.82	100	1.18
18	270*	0.04	270*	0.20	225	0.52	144	0.82	100	1.18
24	202*	0.03	202*	0.15	202*	0.47	144	0.82	100	1.18
**30	376*	0.06	376*	0.28	225	0.52	144	0.82	100	1.18
**36	313*	0.05	313*	0.23	225	0.52	144	0.82	100	1.18

A () IYA

Use ALIYA fittings

NEMA 20A+, 16C, 12C+

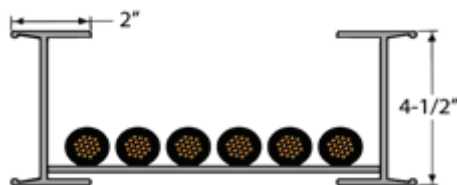


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
9	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
12	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
18	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
24	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
**30	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26
**36	194	1.53	143	2.09	109	2.72	86	3.45	70	4.26

A () IYB

Use ALIYB fittings

NEMA 20B, 16C

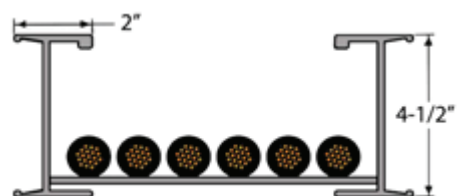


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56
9	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56
12	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56
18	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56
24	202*	1.59	153	2.23	117	2.92	93	3.69	75	4.56
**30	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56
**36	208	1.64	153	2.23	117	2.92	93	3.69	75	4.56

A () IYC

Use ALIYC fittings

NEMA 20C, 16C+

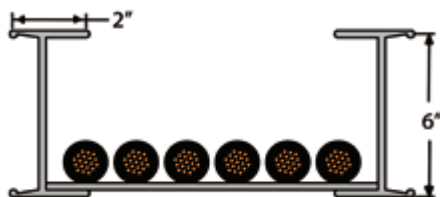


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	278	1.99	204	2.70	156	3.53	123	4.47	100	5.52
9	278	1.99	204	2.70	156	3.53	123	4.47	100	5.52
12	278	1.99	204	2.70	156	3.53	123	4.47	100	5.52
18	270*	1.93	204	2.70	156	3.53	123	4.47	100	5.52
24	202*	1.45	202*	2.67	156	3.53	123	4.47	100	5.52
**30	278	1.99	204	2.70	156	3.53	123	4.47	100	5.52
**36	278	1.99	204	2.70	156	3.53	123	4.47	100	5.52

A () IMB

Use ALIMB fittings

NEMA 12B+

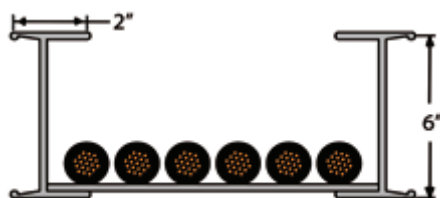


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	747	0.05	332	0.12	187	0.21	120	0.33	83	0.47
9	540*	0.04	332	0.12	187	0.21	120	0.33	83	0.47
12	405*	0.03	332	0.12	187	0.21	120	0.33	83	0.47
18	270*	0.02	270*	0.10	187	0.21	120	0.33	83	0.47
24	202*	0.01	202*	0.07	187	0.21	120	0.33	83	0.47
**30	376*	0.03	332	0.12	187	0.21	120	0.33	83	0.47
**36	313*	0.02	313*	0.11	187	0.21	120	0.33	83	0.47

A () IMC

Use ALIMC 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	424	0.15	239	0.27	153	0.42	106	0.60
9	540*	0.05	424	0.15	239	0.27	153	0.42	106	0.60
12	405*	0.04	405*	0.14	239	0.27	153	0.42	106	0.60
18	270*	0.03	270*	0.10	239	0.27	153	0.42	106	0.60
24	202*	0.02	202*	0.07	202*	0.19	153	0.42	106	0.60
**30	376*	0.04	376*	0.13	239	0.27	153	0.42	106	0.60
**36	313*	0.03	313*	0.11	239	0.27	153	0.42	106	0.60

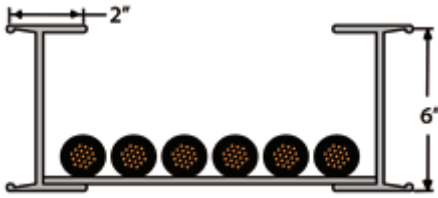
4-I-BEAM LADDER

4-I BEAM LADDER

A () IMD

Use ALIMD fittings

NEMA 12C+

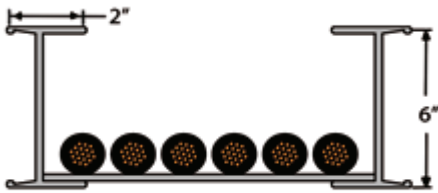


Span (ft.)	4		6		8		10		12	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	810*	0.06	540	0.19	304	0.34	194	0.53	135	0.76
9	540*	0.04	540	0.19	304	0.34	194	0.53	135	0.76
12	405*	0.03	405*	0.14	304	0.34	194	0.53	135	0.76
18	270*	0.02	270*	0.10	270*	0.30	194	0.53	135	0.76
24	202*	0.02	202*	0.07	202*	0.23	194	0.53	135	0.76
**30	376*	0.03	376*	0.13	304	0.34	194	0.53	135	0.76
**36	313*	0.02	313*	0.11	304	0.34	194	0.53	135	0.76

A () IXA

Use ALIXA fittings

NEMA 20A, 16C

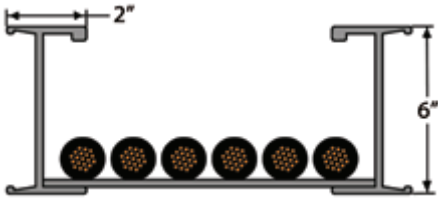


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
9	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
12	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
18	192	0.83	141	1.12	108	1.47	85	1.86	69	2.29
24	192	0.83	141	1.12	108	1.47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

Use ALIXB fittings

NEMA 20B+, 16C+

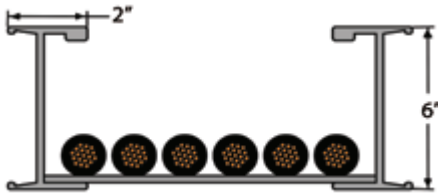


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08
9	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08
12	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08
18	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08
24	202*	1.02	194	1.51	148	1.97	117	2.50	95	3.08
**30	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08
**36	264	1.11	194	1.51	148	1.97	117	2.50	95	3.08

A () IXC

Use ALIXC fittings

NEMA 20C, 16C+



Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	289	1.11	212	1.51	163	1.97	128	2.49	104	3.08
9	289	1.11	212	1.51	163	1.97	128	2.49	104	3.08
12	289	1.11	212	1.51	163	1.97	128	2.49	104	3.08
18	270*	0.80	212	1.51	163	1.97	128	2.49	104	3.08
24	202*	0.78	202*	1.44	163	1.97	128	2.49	104	3.08
**30	289	1.11	212	1.51	163	1.97	128	2.49	104	3.08
**36	289	1.11	212	1.51	163	1.97	128	2.49	104	3.08

Example:

Part # A9IXC-24-144				
A	9	IXC-	24-	144
Material	Rung Spacing in Inches	Tray Type	Width in Inches	Length in Inches

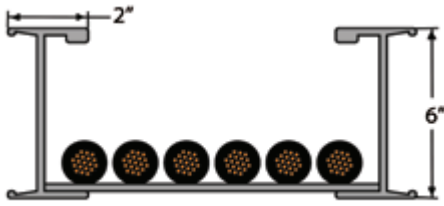
USE COLOR CODING TO ASSEMBLE PART NUMBER

* Indicates 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

A () IXD

Use ALIXD fittings

NEMA 20C+

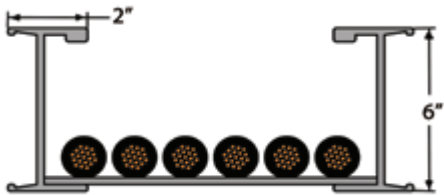


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	314	1.20	231	1.64	177	2.14	140	2.70	113	3.34
9	314	1.20	231	1.64	177	2.14	140	2.70	113	3.34
12	314	1.20	231	1.64	177	2.14	140	2.70	113	3.34
18	270*	1.03	231	1.64	177	2.14	140	2.70	113	3.34
24	202*	0.77	202*	1.43	177	2.14	140	2.70	113	3.34
**30	314	1.20	231	1.64	177	2.14	140	2.70	113	3.34
**36	313*	1.20	231	1.64	177	2.14	140	2.70	113	3.34

A () IXM

Use ALIXM fittings
STRUT RUNG

NEMA 20C

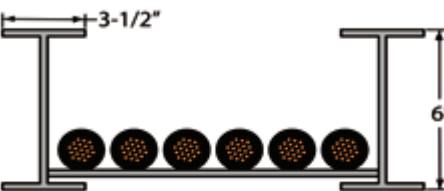


Span (ft.)	12		14		16		18		20	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	297	1.14	218	1.55	167	2.03	132	2.56	107	3.16
9	297	1.14	218	1.55	167	2.03	132	2.56	107	3.16
12	297	1.14	218	1.55	167	2.03	132	2.56	107	3.16
18	270*	1.04	218	1.55	167	2.03	132	2.56	107	3.16
24	202*	0.78	202*	1.44	167	2.03	132	2.56	107	3.16
**30	297	1.14	218	1.55	167	2.03	132	2.56	107	3.16
**36	297	1.14	218	1.55	167	2.03	132	2.56	107	3.16

A () I6

Use ALI6 fittings

NEMA 24C+

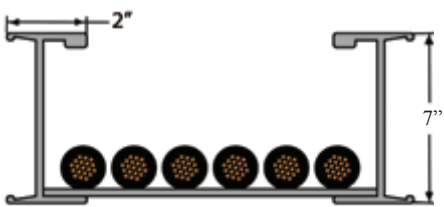


Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	492	1.26	277	2.25	177	3.52	146	4.26	123	5.07
12	492	1.26	277	2.25	177	3.52	146	4.26	123	5.07
18	492	1.26	277	2.25	177	3.52	146	4.26	123	5.07
24	492	1.26	277	2.25	177	3.52	146	4.26	123	5.07
**30	461*	1.18	277	2.25	177	3.52	146	4.26	123	5.07
**36	384*	0.98	277	2.25	177	3.52	146	4.26	123	5.07

A () IXD7

Use ALIXD7 fittings

NEMA 24B+, 20C+

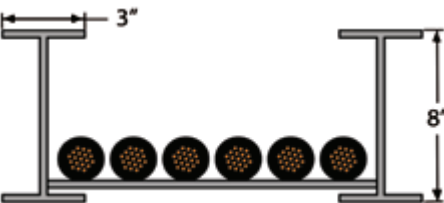


Span (ft.)	12		16		20		22		24	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
6	356	0.88	200	1.56	128	2.44	106	2.95	89	3.52
9	356	0.88	200	1.56	128	2.44	106	2.95	89	3.52
12	356	0.88	200	1.56	128	2.44	106	2.95	89	3.52
18	270*	0.67	200	1.56	128	2.44	106	2.95	89	3.52
24	202*	0.50	200	1.56	128	2.44	106	2.95	89	3.52
**30	356	0.88	200	1.56	128	2.44	106	2.95	89	3.52
**36	313*	0.77	200	1.56	128	2.44	106	2.95	89	3.52

A () I8

Use ALI8 fittings

NEMA 30C+, 24C+



Span (ft.)	12		16		20		24		30	
Width (in.)	Load	Defl	Load	Defl	Load	Defl	Load	Defl	Load	Defl
9	732	0.66	411	1.17	263	1.82	183	2.62	117	4.10
12	732	0.66	411	1.17	263	1.82	183	2.62	117	4.10
18	732	0.66	411	1.17	263	1.82	183	2.62	117	4.10
24	576*	0.52	411	1.17	263	1.82	183	2.62	117	4.10
**30	461*	0.42	411	1.17	263	1.82	183	2.62	117	4.10
**36	384*	0.35	384*	1.09	263	1.82	183	2.62	117	4.10

