
Husky I-Beam

Aluminum

Selection Tables
Numbering System
Loading Tables

Pg. 4.2
Pg. 4.3
Pgs. 4.4—4.5



Selection Tables

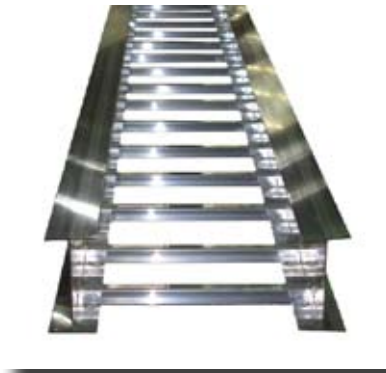
| Aluminum I-Beam Tray | | | | | |
|----------------------|-------------------------------|-------------|------------|------------------|--------------------|
| NEMA Class | NEMA Load (lbs.) / Span (ft.) | Tray Height | Load Depth | Top Flange Width | Prefix |
| 12B | 75/12 | 6-1/4 | 5-1/4 | 2 | A()IMC |
| 12C | 100/12 | 6-1/4 | 5-1/4 | 2 | A()IMC |
| 20B | 75/20 | 4-1/2 6 | 3-1/2 5 | 2 2 | A()IYC A()IXB |
| 20C | 100/20 | 4-1/2 6 | 3-1/2 5 | 2 2 | A()IYC A()IXC |
| 20C+ | 100+/20 | 6 | 5 | 3-1/2 | A()I6 |
| 24C+ | 100+/24 | 6 | 5 | 3-1/2 | A()I6 |
| 30C+ | 100+/30 | 8 | 7 | 3 | A()I8 |

MPHusky 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.



| 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: IYC = 4-1/2" High 20C IMC = 6-1/4" High 12C IXB = 6" High 20B IXC = 6" High 20C I6 = 6" High 24C+ I8 = 8" High 30C+ | Widths: 6" 9" 12" 18" 24" 30" 36" | Lengths: 120 = 10' 144 = 12' 240 = 20' 288 = 24' 360 = 30' (I8 Only) |

Other Technical Data



Depth:

4-1/2, 6 & 8 inches

Fittings:

12, 24 & 36 inch radius

Splice Plates:

Bolted splice connectors

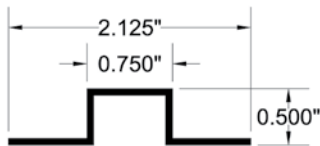
Safety Factor: 1.5

Rung Options:

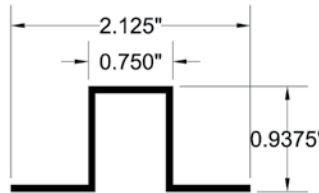
I-Beam tray can be supplied with optional slotted or strut type rungs for ease of securing cables with tie wraps, strut clamps or accessories.

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

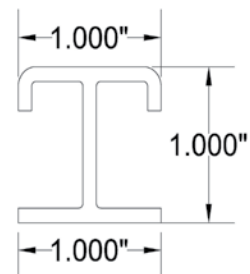
Rung Dimensions



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



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



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

A () IYC

Use ALIYC fittings

NEMA 20C, 20B, 16C

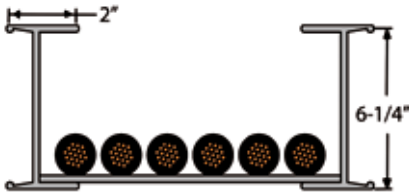


| Span (ft.) | 12 | | 14 | | 16 | | 18 | | 20 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Width (in.) | Load | Defl | Load | Defl | Load | Defl | Load | Defl | Load | Defl |
| 6 | 278 | 1.99 | 204 | 2.70 | 156 | 3.53 | 123 | 4.47 | 100 | 5.52 |
| 9 | 278 | 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 () IMC

Use ALIMC fittings

NEMA 12C, 12C

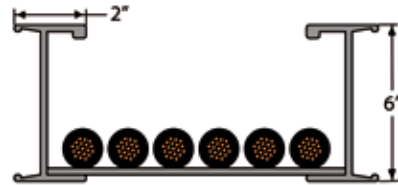


| Span (ft.) | 4 | | 6 | | 8 | | 10 | | 12 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Width (in.) | Load | Defl | Load | Defl | Load | Defl | Load | Defl | Load | Defl |
| 6 | 810* | 0.08 | 424 | 0.15 | 239 | 0.27 | 153 | 0.42 | 106 | 0.60 |
| 9 | 540* | 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 |

A () IXB

Use ALIXB fittings

NEMA 20B, 16C, 12C

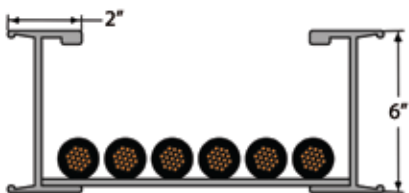


| Span (ft.) | 12 | | 14 | | 16 | | 18 | | 20 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Width (in.) | Load | Defl | Load | Defl | Load | Defl | Load | Defl | Load | Defl |
| 6 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 9 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 12 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 18 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 24 | 202* | 0.86 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 30 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |
| 36 | 208 | 0.88 | 153 | 1.19 | 117 | 1.56 | 93 | 1.97 | 75 | 2.43 |

A () IXC

Use ALIXC fittings

NEMA 20C, 16C, 12C



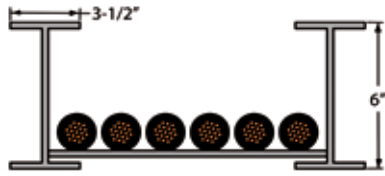
| Span (ft.) | 12 | | 14 | | 16 | | 18 | | 20 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Width (in.) | Load | Defl | Load | Defl | Load | Defl | Load | Defl | Load | Defl |
| 6 | 278 | 1.07 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 9 | 278 | 1.07 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 12 | 278 | 1.07 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 18 | 270* | 1.04 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 24 | 202* | 0.78 | 202* | 1.44 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 30 | 278 | 1.07 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |
| 36 | 278 | 1.07 | 204 | 1.45 | 156 | 1.90 | 123 | 2.40 | 100 | 2.96 |

I-BEAM LADDER

A () I6

Use ALI6 fittings

NEMA 24C+, 20C+

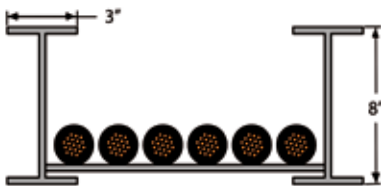


| Span (ft.) | 12 | | 16 | | 20 | | 22 | | 24 | |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Width (in.) | Load | Defl | Load | Defl | Load | Defl | Load | Defl | Load | Defl |
| 9 | 492 | 1.26 | 277 | 2.25 | 177 | 3.52 | 146 | 4.26 | 123 | 5.07 |
| 12 | 492 | 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 () 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 |

Example:

| A9IMC-24-144 | | | | |
|---------------------|---------------------|------------------|------------------------|-------------------------|
| A | 9 | IMC- | 24- | 144 |
| Material | Rung Spacing | Tray Type | Width in Inches | Length in Inches |
| | | | | |

USE COLOR CODING TO ASSEMBLE PART NUMBER