



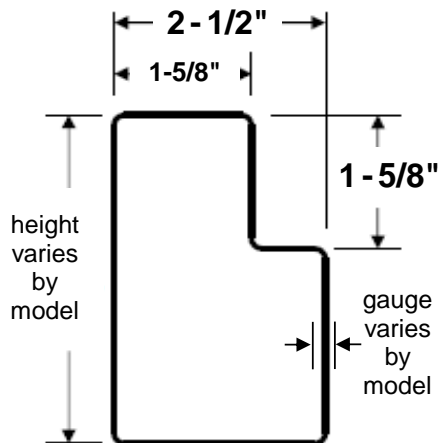
Roll Formed Step Beams Capacity Chart Marysville, MI and Lodi, CA



| Model | 256M FOB MI only for L > 120" | 306M | 356M FOB MI only | 376M | 416M | 466M | 506M | 556M | 604M | 602M FOB MI only | 654M FOB MI only | 652M |
|--------|-------------------------------------|------|---------------------|--------|--------|--------|------|--------|------|---------------------|---------------------|--------|
| Height | 2-1/2" | 3" | 3-1/2" | 3-3/4" | 4-1/8" | 4-5/8" | 5" | 5-1/2" | 6" | 6" | 6-1/2" | 6-1/2" |
| Gauge | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 14 | 12 | 14 | 12 |

Load Capacity Rating (See Load Capacity Rating Notes Below)

| Beam Length | 256M | 306M | 356M | 376M | 416M | 466M | 506M | 556M | 604M | 602M | 654M | 652M |
|-------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 48 | 4,889 | 6,437 | 7,764 | 8,495 | 9,661 | 11,348 | 13,060 | 14,977 | 20,951 | 28,448 | 23,704 | 32,252 |
| 54 | 4,396 | 5,827 | 7,006 | 7,646 | 8,673 | 10,163 | 11,724 | 13,413 | 18,721 | 25,393 | 21,158 | 28,787 |
| 60 | 4,000 | 5,335 | 6,387 | 6,968 | 7,885 | 9,227 | 10,646 | 12,164 | 16,938 | 22,949 | 19,142 | 25,989 |
| 66 | 3,481 | 4,936 | 5,889 | 6,409 | 7,241 | 8,453 | 9,776 | 11,143 | 15,480 | 20,950 | 17,475 | 23,700 |
| 72 | 2,964 | 4,601 | 5,470 | 5,944 | 6,706 | 7,809 | 9,042 | 10,293 | 14,266 | 19,285 | 16,087 | 21,815 |
| 78 | 2,559 | 4,186 | 5,111 | 5,545 | 6,247 | 7,264 | 8,423 | 9,576 | 13,240 | 17,858 | 14,912 | 20,201 |
| 84 | 2,233 | 3,676 | 4,805 | 5,211 | 5,855 | 6,799 | 7,884 | 8,952 | 12,360 | 16,653 | 13,906 | 18,817 |
| 90 | 1,969 | 3,263 | 4,329 | 4,911 | 5,516 | 6,388 | 7,427 | 8,421 | 11,599 | 15,609 | 13,035 | 17,618 |
| 96 | 1,753 | 3,000 | 3,861 | 4,409 | 5,220 | 6,037 | 7,020 | 7,948 | 10,934 | 14,696 | 12,272 | 16,569 |
| 102 | 1,570 | 2,636 | 3,471 | 3,956 | 4,789 | 5,721 | 6,662 | 7,532 | 10,336 | 13,876 | 11,600 | 15,644 |
| 108 | 1,417 | 2,390 | 3,139 | 3,576 | 4,314 | 5,441 | 6,344 | 7,163 | 9,815 | 13,162 | 11,004 | 14,822 |
| 114 | 1,286 | 2,179 | 2,857 | 3,248 | 3,917 | 4,962 | 6,061 | 6,833 | 9,340 | 12,523 | 10,470 | 14,102 |
| 120 | 1,175 | 1,997 | 2,611 | 2,967 | 3,571 | 4,517 | 5,661 | 6,380 | 8,715 | 11,707 | 9,768 | 13,183 |
| 126 | 1,077 | 1,841 | 2,399 | 2,724 | 3,273 | 4,132 | 5,238 | 5,923 | 8,107 | 10,920 | 9,065 | 12,231 |
| 132 | 991 | 1,701 | 2,214 | 2,510 | 3,013 | 3,793 | 4,815 | 5,520 | 7,551 | 10,165 | 8,444 | 11,336 |
| 138 | 917 | 1,580 | 2,050 | 2,322 | 2,782 | 3,500 | 4,446 | 5,147 | 7,045 | 9,465 | 7,875 | 10,544 |
| 144 | 852 | 1,473 | 1,908 | 2,157 | 2,579 | 3,239 | 4,121 | 4,810 | 6,588 | 8,829 | 7,326 | 9,834 |
| 150 | 793 | 1,376 | 1,779 | 2,011 | 2,400 | 3,012 | 3,833 | 4,506 | 6,165 | 8,244 | 6,833 | 9,182 |
| 156 | 740 | 1,289 | 1,663 | 1,878 | 2,240 | 2,806 | 3,577 | 4,227 | 5,769 | 7,731 | 6,387 | 8,600 |



Load Capacity Rating Notes

- 1 - Capacities are per beam pair and for static loads only, per ANSI MH16.1 2012: RMI (2012).
- 2 - Capacities apply to uniformly loaded beams and include impact load.
- 3 - For beams greater than 60"L supporting one load wide, contact SpaceRAK Engineering.
- 4 - Beams longer than 108" that support decks should be tied together to prevent spreading.
- 5 - Deflection is limited to L/180 where L is clear span of beam.
- 6 - Capacities are based on the following standard combinations of beam height and end connector:
 - 2-1/2" - 4-5/8" beams = 3-Pin / 6" connectors.
 - 5" - 6-1/2" beams = 4-Pin / 8" connectors.
- 7 - Capacities valid for beams manufactured by SpaceRAK, in good condition and properly maintained.
- 8 - Capacities are only valid when SpaceRAK beams are combined with SpaceRAK frames.
- 9 - For shelf loads of 10,000# or more, consult SpaceRAK Engineering.