

# ROLL-FORMED STEP BEAMS



Pallet rack roll-formed step beams support palletized loads and non-palletized loads/cases in storage rack systems. The beam step allows for the inclusion of pallet supports or various forms of decking (wire, wood, corrugated metal, etc.); which is necessary for non-palletized load storage. Step beams are available in a variety of standard lengths and beam face heights, which creates a large array of individual load-bearing capacity beams. In addition, step beams can be customized for specialty applications such as push-back, pallet flow or pick module racking. Care should be taken in the selection of beam

types, to ensure that all design engineering and code-compliance requirements are accommodated.

## FEATURES

- | 1-5/8" Beam Step Height
- | Universal Connectors
- | Powder-Coated Paint (Most RAL colors)
- | 'Pull Pin' Safety Clip (avoids beam dislodgement)
- | Interchangeable with certain brands
- | RMI Approved

## PRODUCT INFORMATION

STEP BEAMS	DESCRIPTION
BEAMS LENGTHS:	48"-192"
GAUGE THICKNESS:	14 & 16
PIN QTY/CONNECTOR	3 & 4
BEAM FACE HEIGHTS:	2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
STOCKING COLOR:	Orange

**Note:** Beam Drops and Adjustable Beams Available Upon Request. Additional Colors Available Upon Request. Customize to Order.

## BEAMS 16 GAUGE - 3 PIN

SPAN	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"
48"	4,680	5,830	7,160	8,650	10,300	12,080	14,010	16,070
54"	4,240	5,260	6,430	7,750	9,210	10,790	12,500	14,330
84"	2,330	3,240	4,350	5,180	6,100	7,110	8,190	9,350
90"	2,070	2,860	3,880	4,870	5,730	6,660	7,680	8,760
96"	1,850	2,550	3,450	4,570	5,400	6,270	7,220	8,240
102"	1,670	2,290	3,090	4,080	5,110	5,930	6,820	7,780
108"	1,510	2,070	2,780	3,670	4,750	5,630	6,460	7,360
114"	1,380	1,880	2,530	3,330	4,290	5,360	6,140	6,990
120"	1,270	1,720	2,300	3,030	3,900	4,950	5,720	6,510
126"	1,170	1,580	2,110	2,760	3,560	4,510	5,300	6,020
132"	1,080	1,460	1,940	2,540	3,270	4,130	4,920	5,590
138"	1,000	1,350	1,800	2,340	3,010	3,800	4,580	5,190
144"	930	1,260	1,670	2,170	2,780	3,510	4,270	4,840

## BEAMS 16 GAUGE - 4 PIN

SPAN	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"
48"	4,950	6,080	7,390	8,860	10,500	12,260	14,170	16,220
54"	4,500	5,500	6,660	7,960	9,400	10,980	12,660	14,480
84"	2,560	3,490	4,560	5,380	6,290	7,280	8,350	9,500
90"	2,280	3,090	4,130	5,070	5,910	6,830	7,830	8,910
96"	2,050	2,770	3,680	4,790	5,580	6,450	7,380	8,390
102"	1,850	2,490	3,300	4,310	5,290	6,100	6,980	7,920
108"	1,680	2,260	2,980	3,880	4,970	5,790	6,620	7,510
114"	1,540	2,060	2,720	3,520	4,500	5,520	6,300	7,150
120"	1,410	1,890	2,480	3,210	4,090	5,140	5,870	6,650
126"	1,300	1,740	2,280	2,940	3,740	4,700	5,450	6,160
132"	1,210	1,610	2,100	2,710	3,440	4,310	5,060	5,720
138"	1,120	1,490	1,950	2,500	3,180	3,970	4,710	5,320
144"	1,050	1,390	1,810	2,320	2,940	3,670	4,400	4,960

## BEAMS 14 GAUGE - 3 PIN

SPAN	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"
48"	7,140	8,830	10,730	12,840	15,110	17,560	20,180
54"	6,420	7,930	9,610	11,470	13,490	15,660	17,990
84"	3,810	5,260	6,380	7,560	8,840	10,220	11,710
90"	3,370	4,620	6,000	7,090	8,280	9,570	10,950
96"	3,000	4,100	5,490	6,680	7,790	9,000	10,300
102"	2,690	3,670	4,890	6,320	7,370	8,500	9,710
108"	2,430	3,310	4,400	5,740	6,980	8,050	9,190
114"	2,210	2,990	3,980	5,180	6,610	7,650	8,730
120"	2,010	2,730	3,610	4,700	5,990	7,130	8,130
126"	1,850	2,490	3,300	4,290	5,460	6,610	7,590
132"	1,700	2,290	3,030	3,930	5,000	6,140	7,000
138"	1,570	2,120	2,790	3,610	4,590	5,720	6,520
144"	1,460	1,960	2,580	3,330	4,240	5,300	6,080

### Notes:

Capacities Based Upon Pair of Beams · Capacities Are Determined Per ANSI 2012 and RMI 2012 · Design Engineer Must Be Consulted For Loads of 10,000 lbs. or more  
 Uniform Distribution of Weight Is Assumed Along The Entire Length of Both Beams · Capacities Are For Static Loads Only. Consult Seismic Engineer For Seismic Loads  
 Values Shown Reflect The Capacity of The Beams Based On The Lesser of It's Strength In Bending or L/180 Deflection Criteria. Metrics table is measured in pounds.  
 Consult UMH or E.O.R. for 192" Beam Capacities. Drop beams, adjustable beams and other engineered beams available upon request. 2-1/2" face height beam is standard in 16 gauge only.

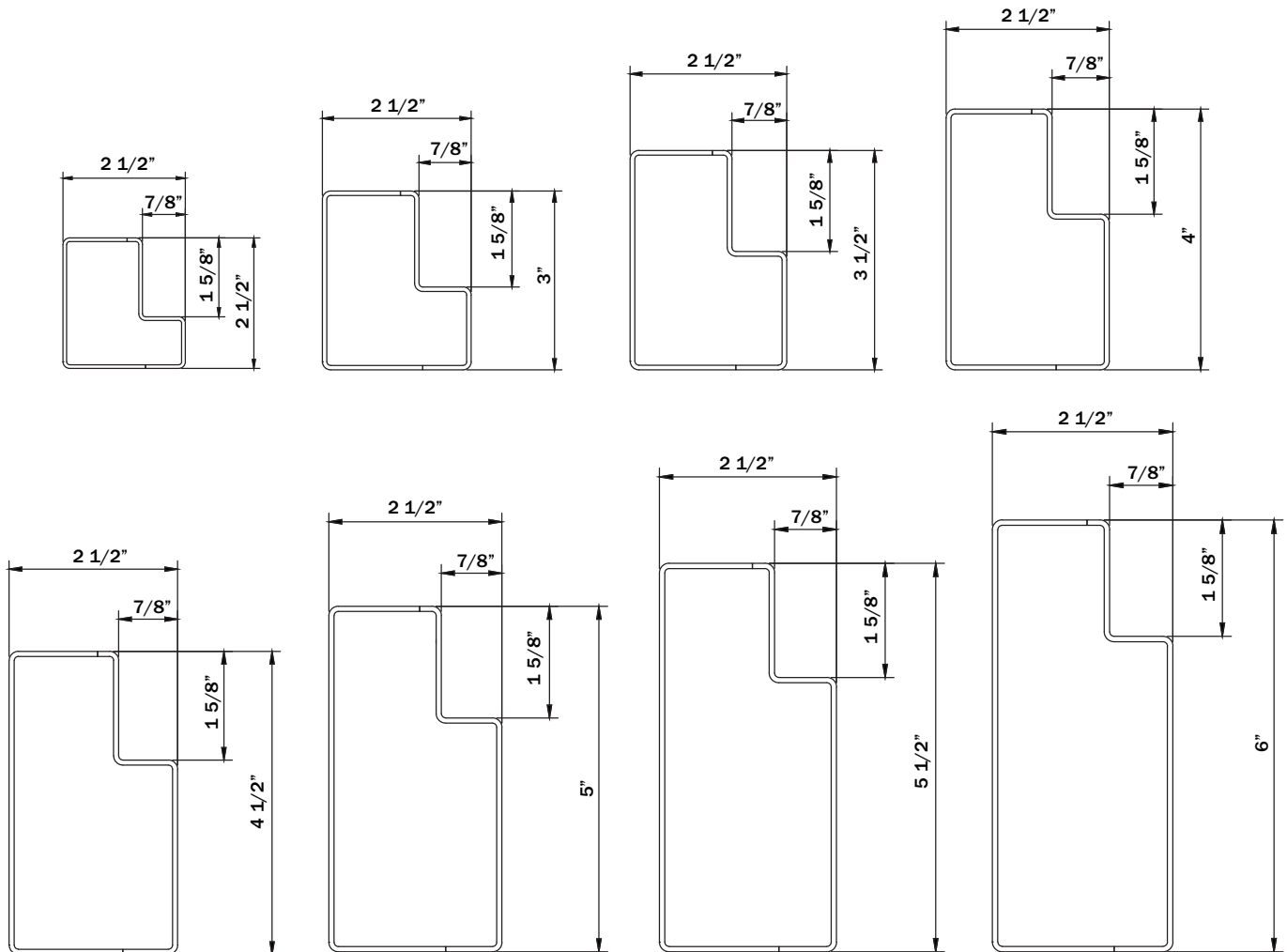
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144"	1,600	2,110	2,740	3,500	4,400	5,460	6,210

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 Shown Reflect The Capacity of The Beams Based On The Lesser of It's Strength In Bending or L/180 Deflection Criteria · Metrics table is measured in pounds. Drop beams, adjustable beams and other engineered beams available upon request. A 192" X 6" 14 gauge beam is available. Consult UMH or E.O.R. for 192" Beam Capacities.

## BEAM CONFIGURATIONS





**United Material Handling, Inc.**

23900 Brodiaea Avenue, Moreno Valley, CA 92553

Ph: 866-323-RACK (7225) | Fax: 951-657-4918

[www.unitedmh.com](http://www.unitedmh.com)

Sales Inquiries, email us at: [quotes@unitedmh.com](mailto:quotes@unitedmh.com) | General Information: [info@unitedmh.com](mailto:info@unitedmh.com)

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