



13591 Chandler St. • Omaha, NE 68138 • Ph: 866.245.3630 • Fax 866.245.3631 • reva@westpointrack.com • www.westpointrack.com

Structural Upright Frames

- Structural Upright Frames are available in 3" and 4" channel.
- All components are designed and manufactured to meet or exceed Rack Manufacturers Institute (RMI) and the American Institute of Steel Construction (AISC) specifications.
- All frames are made of 50,000 PSI structural channel and fully welded.
- Horizontal and diagonal bracings are made from structural angle.
- Frames are punched on 4" centers with 2" of adjustability.
- Three-inch frames utilize a 1/2" bolt at the connector; 4" frames utilize a 5/8" bolt at the connector. Foot plates are two-hole type for 1/2" anchors.

When determining frame heights, you need to consider: ceiling height; maximum forklift availability; and sprinkler systems. Frame depth should be 6" less than pallet depth. Structural beams should be at least 12" longer than the width of 2 pallets or 16" longer than width of 3 pallets to allow 4" working space between pallets.

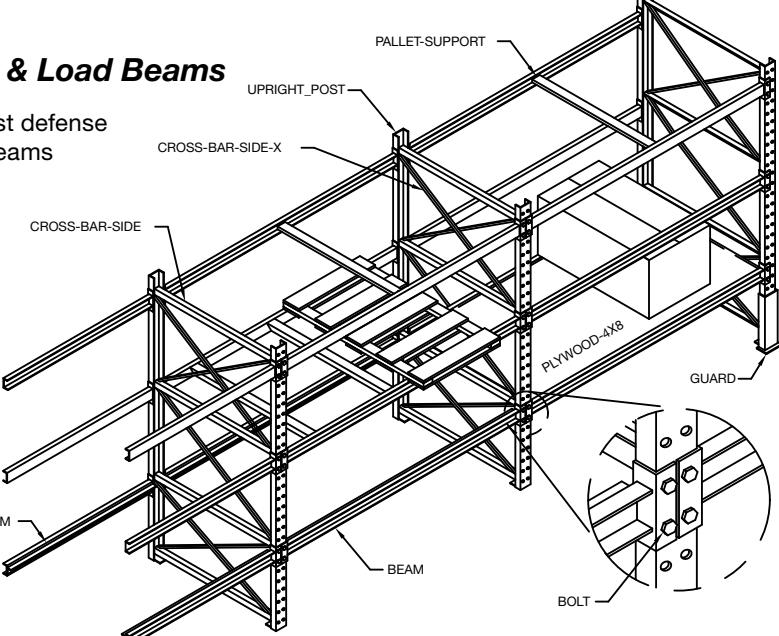
Our bolted pallet racks maximize your storable space and are ideal for most types of pallet applications.

| Depth of Frame | Height of Frame | 3" Channel 32,000 LBS Capacity per Frame* | | 4" Channel 45,000 LBS Capacity per Frame* | |
|----------------|-----------------|--|--------|--|--------|
| | | Model # | Weight | Model # | Weight |
| 36" | 8' | F3-96-36 | 88 | F4-96-36 | 109 |
| | 10' | F3-120-36 | 104 | F4-120-36 | 131 |
| | 12' | F3-144-36 | 129 | F4-144-36 | 163 |
| | 14' | F3-168-36 | 146 | F4-168-36 | 182 |
| | 15' | F3-180-36 | 158 | F4-180-36 | 197 |
| | 16' | F3-192-36 | 171 | F4-192-36 | 213 |
| | 18' | F3-216-36 | 192 | F4-216-36 | 243 |
| | 20' | F3-240-36 | 210 | F4-240-36 | 267 |
| | 22' | F3-264-36 | 233 | F4-264-36 | 290 |
| | 24' | F3-288-36 | 256 | F4-288-36 | 316 |
| 42" | 8' | F3-96-42 | 92 | F4-96-42 | 112 |
| | 10' | F3-120-42 | 107 | F4-120-42 | 134 |
| | 12' | F3-144-42 | 133 | F4-144-42 | 167 |
| | 14' | F3-168-42 | 149 | F4-168-42 | 185 |
| | 15' | F3-180-42 | 162 | F4-180-42 | 201 |
| | 16' | F3-192-42 | 176 | F4-192-42 | 213 |
| | 18' | F3-216-42 | 199 | F4-216-42 | 248 |
| | 20' | F3-240-42 | 215 | F4-240-42 | 273 |
| | 22' | F3-264-42 | 239 | F4-264-42 | 300 |
| | 24' | F3-288-42 | 262 | F4-288-42 | 328 |
| 48" | 8' | F3-96-48 | 95 | F4-96-48 | 114 |
| | 10' | F3-120-48 | 112 | F4-120-48 | 136 |
| | 12' | F3-144-48 | 137 | F4-144-48 | 170 |
| | 14' | F3-168-48 | 153 | F4-168-48 | 190 |
| | 15' | F3-180-48 | 167 | F4-180-48 | 206 |
| | 16' | F3-192-48 | 181 | F4-192-48 | 223 |
| | 18' | F3-216-48 | 200 | F4-216-48 | 258 |
| | 20' | F3-240-48 | 224 | F4-240-48 | 284 |
| | 22' | F3-264-48 | 247 | F4-264-48 | 315 |
| | 24' | F3-288-48 | 270 | F4-288-48 | 345 |

*Maximum Vertical Beam Spacing of 72"

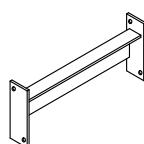
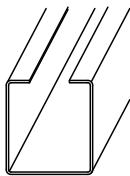
Structural Channel Columns & Load Beams

Structural channel columns are your best defense against forklift strikes. Structural load beams are strongest in the corners and sides where more steel is concentrated.



Roll-Form Column

Roll-form columns provide strength and economy when used as planned but are vulnerable to flexing, twisting or buckling when excessive force is applied.



Wall ties and row spacers permit linking a row or racks to either the wall or a back-to-back row of racks. Maintain spacing while providing additional stability to the system.



Structural post protectors provide extra protection from forklift abuse in the lower frame areas.

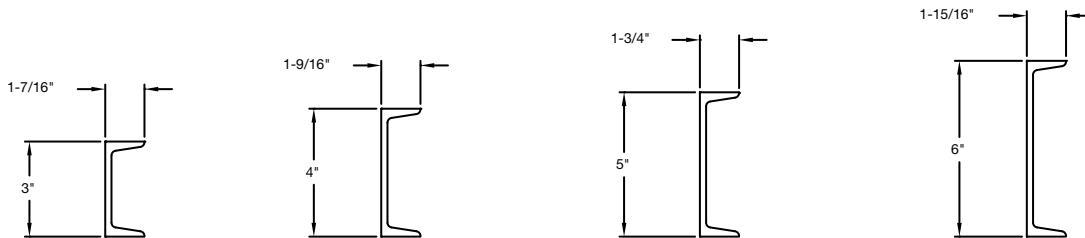


WEST POINT RACK, INC.

"We don't just promise...we deliver!"

Structural Pallet Rack Beams

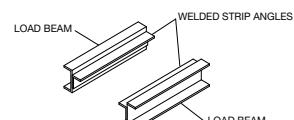
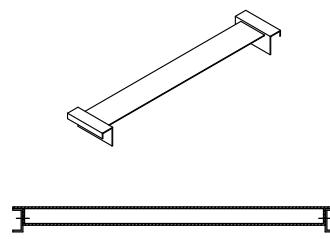
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| Length of Beams | 3" Channel (Sold individually) | | | | 4" Channel (Sold individually) | | | | 5" Channel (Sold individually) | | | | 6" Channel (Sold individually) | | | |
|-----------------|--------------------------------|-------------------|------------|------|--------------------------------|-------------------|-----------|------|--------------------------------|-------------------|-----------|------|--------------------------------|-------------------|-----------|------|
| | No. of Beam Braces | Beam Brace Length | Model # | Wgt. | No. of Beam Braces | Beam Brace Length | Model # | Wgt. | No. of Beam Braces | Beam Brace Length | Model # | Wgt. | No. of Beam Braces | Beam Brace Length | Model # | Wgt. |
| 48" | 0 | — | PB3-48 | 19 | 0 | — | PB4-48 | 25 | 0 | — | PB5-48 | 30 | 0 | — | PB6-48 | 36 |
| 54" | | | PB3-54 | 22 | | | PB4-54 | 27 | | | PB5-54 | 34 | | | PB6-54 | 40 |
| 60" | | | PB3-60 | 24 | | | PB4-60 | 30 | | | PB5-60 | 37 | | | PB6-60 | 45 |
| 66" | | | PB3-66 | 26 | | | PB4-66 | 30 | | | PB5-66 | 40 | | | PB6-66 | 49 |
| 72" | | | PB3-72 | 28 | | | PB4-72 | 35 | | | PB5-72 | 44 | | | PB6-72 | 53 |
| 84" | | — | PB3-84 | 32 | | 36" | PB4-84-36 | 43 | | 36" | PB5-84-36 | 53 | | 36" | PB6-84-36 | 64 |
| 96" | | | PB3-96 | 36 | | | PB4-84-42 | 43 | | | PB5-84-42 | 53 | | | PB6-84-42 | 64 |
| 108" | | | PB3-108-36 | 43 | | | PB4-84-48 | 43 | | | PB5-84-48 | 53 | | | PB6-84-48 | 64 |
| 120" | 1 | 36" | PB3-120-36 | 47 | 36" | PB4-108-36 | 54 | 1 | 36" | PB5-96-36 | 60 | 1 | 36" | PB6-96-36 | 72 | |
| 132" | | 42" | PB3-120-42 | 47 | | PB4-108-42 | 54 | | | PB5-96-42 | 60 | | | PB6-96-42 | 72 | |
| 144" | | 48" | PB3-120-48 | 47 | | PB4-108-48 | 54 | | | PB5-96-48 | 60 | | | PB6-96-48 | 72 | |
| 108" | 2 | 36" | PB3-132-36 | 54 | 36" | PB4-120-36 | 61 | 2 | 36" | PB5-108-36 | 66 | 2 | 36" | PB6-108-36 | 80 | |
| 120" | | 42" | PB3-132-42 | 54 | | PB4-120-42 | 62 | | | PB5-108-42 | 66 | | | PB6-108-42 | 80 | |
| 132" | | 48" | PB3-132-48 | 54 | | PB4-120-48 | 62 | | | PB5-108-48 | 67 | | | PB6-108-48 | 80 | |
| 144" | 2 | 36" | PB3-144-36 | 58 | 36" | PB4-132-36 | 67 | 2 | 36" | PB5-120-36 | 75 | 2 | 36" | PB6-120-36 | 91 | |
| 108" | | 42" | PB3-144-42 | 58 | | PB4-132-42 | 68 | | | PB5-120-42 | 75 | | | PB6-120-42 | 91 | |
| 120" | | 48" | PB3-144-48 | 58 | | PB4-132-48 | 68 | | | PB5-120-48 | 76 | | | PB6-120-48 | 91 | |
| 132" | 2 | 36" | PB3-144-36 | 58 | 36" | PB4-144-36 | 72 | 2 | 36" | PB5-132-36 | 82 | 2 | 36" | PB6-132-36 | 99 | |
| 144" | | 42" | PB3-144-42 | 58 | | PB4-144-42 | 73 | | | PB5-132-42 | 82 | | | PB6-132-42 | 99 | |
| 144" | | 48" | PB3-144-48 | 58 | | PB4-144-48 | 73 | | | PB5-132-48 | 83 | | | PB6-132-48 | 99 | |
| 108" | 2 | 36" | PB3-144-36 | 58 | 36" | PB4-144-42 | 73 | 2 | 36" | PB5-144-36 | 88 | 2 | 36" | PB6-144-36 | 107 | |
| 120" | | 42" | PB3-144-42 | 58 | | PB4-144-42 | 73 | | | PB5-144-42 | 89 | | | PB6-144-42 | 107 | |
| 132" | | 48" | PB3-144-48 | 58 | | PB4-144-48 | 73 | | | PB5-144-48 | 89 | | | PB6-144-48 | 107 | |

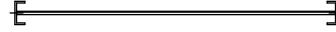
| Beam Capacity by Length & Channel (lbs.) | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Length of Beams | 3" Channel (Part No.) | 4" Channel (Part No.) | 5" Channel (Part No.) | 6" Channel (Part No.) |
| 48" | 10,000 | 17,500 | 26,000 | — |
| 54" | 8,500 | 15,500 | 23,000 | — |
| 60" | 8,000 | 14,000 | 20,000 | — |
| 66" | 7,250 | 12,500 | 18,000 | — |
| 72" | 6,750 | 11,500 | 16,750 | 26,000 |
| 84" | 5,500 | 10,000 | 15,550 | 22,500 |
| 96" | 5,300 | 8,750 | 13,500 | 19,500 |
| 108" | 4,600 | 7,750 | 12,250 | 17,500 |
| 120" | 4,200 | 7,000 | 11,000 | 15,500 |
| 132" | 3,600 | 6,800 | 10,000 | 14,000 |
| 144" | 3,100 | 5,500 | 9,000 | 13,000 |

*Capacities are based on a uniformly distributed load over a pair of beams



Pallet supports prevent undersized loads from falling through the beams, support weak pallets or serve as a deck support. Both drop-in and bolted models are available.

Load beams with step angle permit custom decks to be placed in the pallet rack system. Factory welded to the inside of the load beam at custom heights, step angle provides versatility to address almost any need.



Beam braces (sold individually) attach to web of beam with two bolts.

Structural beams are made of 50,000 PSI structural channel. Beam to upright connection shear strength exceeds 100,000# per beam. Beams should be at least 12" longer than the width of 2 pallets or 16" longer than the width of 3 pallets. This allows 4" of working space between pallets.

Call for galvanized price • Standard finish gray enamel • Special colors quoted upon request