



SOLUTIONS FOR STORAGE

# ROLL-FORMED PALLET RACK

# TRI-BORO PALLET RACK FEATURES & BENEFITS



Obtain warehouse racking and shelving products on one order from one source - Tri-Boro Storage Products.

We manufacture our own pallet rack to the same standards of quality and performance you've come to expect from our other storage products. Tri-Boro now offers the added value and logistical advantage of single source integration for all your warehousing and storage needs.

- One Source for Industrial Steel Shelving and Warehouse Rack
- Quick Ship Program
- 100% USA Made

**Single Rib Column Design:** Adds to strength and rigidity.

**Tapered Keyhole Slots:** Pulls beam against frame for maximum stability.

**Return bends on all open-back design frame members:** No sharp exposed edges - Adds to strength and rigidity.

**Interchangeable product design:** TRI-BORO rack is compatible with most "teardrop" design pallet racks.

**One-piece tube seamed step beams:** No exposed welds, which can cause pallet hang-ups. Safer for retail applications.

**High strength tapered studs on beam connector plates:** Extra safe connection and snug fit. Less stress on components than slot and hook connections.

**Integral beam connector safety locks:** Self-engaging design is secure, easy to use and allows for quick repositioning of beams. Factory installed - replaceable.

**Quick & Easy Assembly:** Saves time and money. No loose hardware.

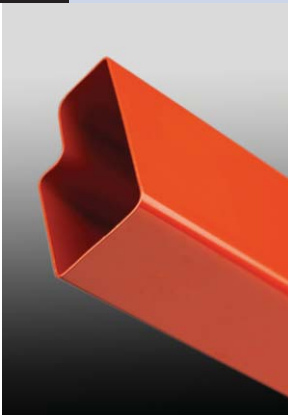


**Powder coat baked finish:** Durable, scratch resistant high gloss finish. Ideal for many food and industrial corrosive applications.

**Full range of capacities and sizes from hand-loaded bulk rack to your heaviest applications:** One source for all your storage needs. Complete turn-key services available through a qualified network of full line material handling distributors.

**Stock rack for immediate requirements:** Warehouses and stocking dealers around the country with a large selection of popular size racks.

**Factory Support:** Large enough to handle any size job. Small enough for the personal services that most companies cannot provide.



Tri-Boro Storage Products | 800-633-3070 | [www.TriboroShelving.com](http://www.TriboroShelving.com)



## FRAME CAPACITIES (LBS.)

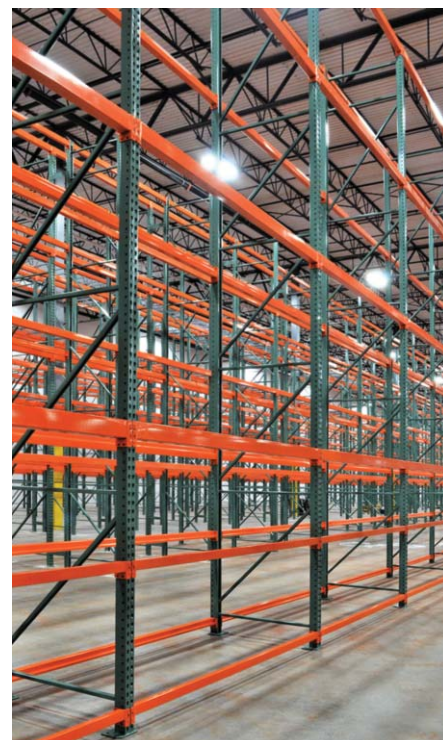
MAXIMUM VERTICAL BEAM SPACING	F14* 14g. 3" x 1 5/8" COL.	F20 14g. 3" x 2 1/2" COL.	F24 13g. 3" x 2 1/2" COL.	F25 14g. 3" x 3" COL.	F30 13g. 3" x 3" COL.	F35 12g. 3" x 3" COL.
36"	17437	23906	28005	27798	31162	38909
42"	16400	22610	26364	26020	29481	36692
48"	15220	21149	24530	23200	27594	34218
54"	13937	19559	22557	21040	25549	31556
60"	12594	17884	20502	19163	23398	28775
66"	11232	16167	18420	17145	21194	25948
72"	9870	14426	16332	15147	18965	23101
78"	8683	12794	14406	13030	16842	20448
84"	7679	11396	12771	11916	15019	18183
90"	6827	10195	11379	10529	13449	16243
96"	6101	9160	10188	9533	12095	14577

### Notes:

- Based on RMI 2011 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
- "Spacing" is distance from floor to top of first beam level. If maximum opening is not floor level, "Spacing" is distance from top of beam to top of beam + 1".
- Applicable for non-seismic use only. Building codes may require otherwise.
- Capacities are for frame components only. Overall rack system configuration is the responsibility of others.
- Contact your Tri-Boro representative for design assistance or for applications not covered by above.
- Where the bottom portion of frames are exposed to potential minor impacts from forklift trucks or moving equipment, consideration should be given to purchasing one of the optional impact protection devices. Ask your Tri-Boro representative for a recommendation.
- \*F14 Frame capacity: 4,000 lbs. max per beam level.

SPECIAL ORDER ITEMS - MINIMUM RUN REQUIREMENTS APPLY. Please contact your Tri-Boro representative for more information.

## SPECIFICATIONS



### ROLL-FORMED FRAME PART NUMBER

(EXAMPLE: 3" x 2 1/2" x 42" x 192")

F	20	42	192
ROLL-FORMED FRAME	CAPACITY MODEL	DEPTH IN INCHES	HEIGHT IN INCHES



### ROLL-FORMED STEP BEAM PART NUMBER

(EXAMPLE: 4 1/8" x 96")

SB	4125	96
ROLL-FORMED STEP BEAM	HEIGHT IN INCHES	LENGTH IN INCHES

## ROLL-FORMED STEP BEAM CAPACITIES (LBS. PER PAIR)

BEAM LENGTH (INCHES)	BEAM PROFILE	SB2500 4" CONNECTOR (2 STUD)	SB3500 6" CONNECTOR (3 STUD)	SB4125 6" CONNECTOR (3 STUD)	SB4625 6" CONNECTOR (3 STUD)	SB5125 6" CONNECTOR (3 STUD)	SB6000 6" CONNECTOR (3 STUD)	SB6500 8" CONNECTOR (4 STUD)
48"		4066	6910	8775	10597	12000	12000	12000
72"		2762	4743	5975	7186	9029	12000	12000
84"		2252	4485	5734	6883	8632	12000	12000
96"		1735	3483	5028	6067	7596	10583	12000
102"		1540	3106	4476	5731	7168	9975	11825
108"		1376	2788	4011	5309	6788	9434	11206
120"		1115	2283	3276	4330	5887	8512	10152
144"				2303	3038	4120	6511	8482

### Notes:

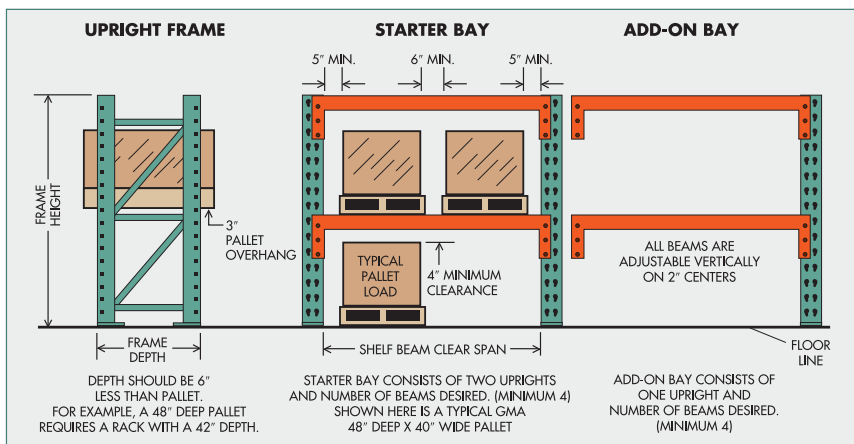
- Based on MHIA/RMI 2011 Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks.
- Load Capacities are based on uniformly distributed product load per pair of beams.
- Deflection is based on product load only, and is limited to L(span)/180.
- Spans from 48" to 80" designed for 25% impact from placing 1 load per shelf.
- Spans from 82" to 120" designed for 25% impact from placing 1 of 2 loads per shelf.
- Spans from 122" to 144" designed for 25% impact from placing 1 of 3 loads per shelf.
- Applicable for non-seismic use only. Building codes may require otherwise.
- Capacities are for beam components only. Overall rack system configuration is the responsibility of others.
- Contact your Tri-Boro representative for design assistance or for applications not covered by above.



Tri-Boro Storage Products

800-633-3070

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## HOW TO ORDER

**BEAM LENGTH:** SHELF LENGTH EQUALS THE DISTANCE BETWEEN UPRIGHTS. IT IS DETERMINED BY ADDING THE WIDTHS OF PALLET LOADS PLUS A 5" SIDE CLEARANCE BETWEEN UPRIGHT AND PALLET AND 6" BETWEEN PALLET LOADS. SHELF BEAM CAPACITIES ARE BASED ON A PAIR OF BEAMS SUPPORTING AN EVENLY DISTRIBUTED LOAD.

**RACK HEIGHT:** ADD THE FOLLOWING FIGURES:

HEIGHT OF PALLET LOADS (INCLUDING PALLET)

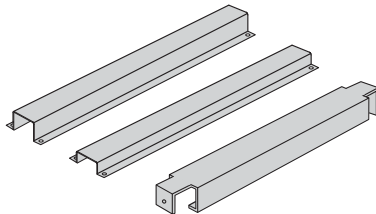
+ HEIGHT OF SHELF BEAM

+ 4" MINIMUM VERTICAL CLEARANCE FOR EACH PALLET LOAD

SUM OF ABOVE DIMENSIONS = RACK HEIGHT

FOR UPPERMOST LOAD LEVEL, LOCATION OF SHELF BEAM SHOULD BE 6" LESS THAN FORK TRUCK'S MAXIMUM LIFT HEIGHT. TOP OF BEAMS NEED TO BE AT 2" INCREMENTS.

## TRI-BORO PALLET RACK ACCESSORIES



### SAFETY BARS

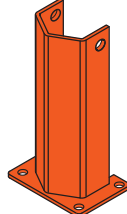
#### Unflanged Safety Bar

USB(length in inches) example: USB24

Low Profile: USB42LP

#### Flanged Safety Bar

FSB(length in inches) example: FSB42



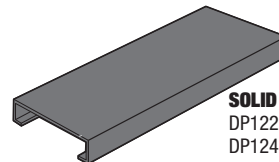
### COLUMN PROTECTOR

PART NO.: CP18



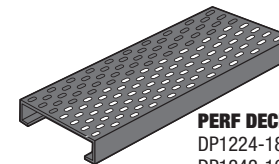
### BOLT-ON COLUMN PROTECTOR

CPB(height in inches)  
example: CPB018



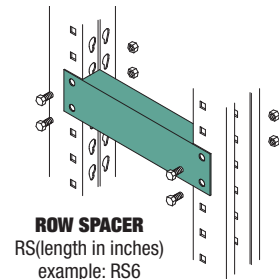
### SOLID DECK

DP1224-18  
DP1242-16



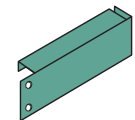
### PERF DECK

DP1224-18P  
DP1242-16P



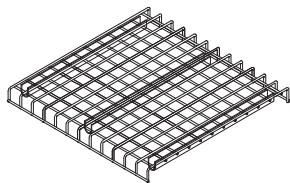
### ROW SPACER

RS(length in inches)  
example: RS6



### WALL SPACER

WS(length in inches)  
example: WS6

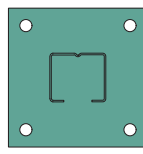


### WIRE DECK

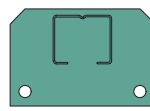
WD(length/width in inches)  
example: WD4246 (for pallet rack)



### 5x8 FOOTPLATE

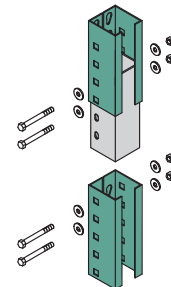


### 8x8 FOOTPLATE



### SEISMIC FOOTPLATE

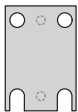
PART NO.: FP57



### FRAME SPLICE

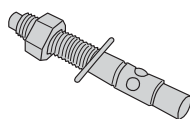
SPLF14  
SPLF20  
SPLF25

Hardware:  
HD383.5X



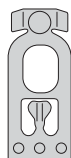
### SHIM

PART NO.: SHM



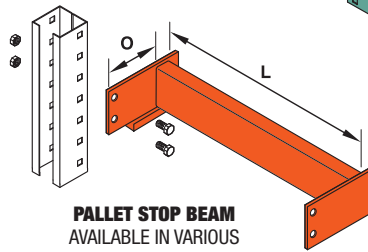
### WEDGE TYPE ANCHOR BOLT

PART NO.: WAB



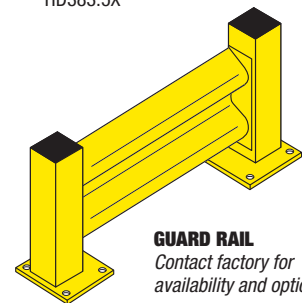
### SAFETY LOCK

PART NO.: SNPLK



### PALLET STOP BEAM

AVAILABLE IN VARIOUS LENGTHS AND OFFSETS



### GUARD RAIL

Contact factory for availability and options.

## STANDARD COLORS



VISTA GREEN



SIGNAL ORANGE



STANDARD GRAY



BLUE



RED



YELLOW



ROYAL BLUE



BLACK



SKY WHITE



LIGHT GRAY



SAND



PUTTY



PEARL WHITE



SILVER VEIN

## AVAILABLE COLORS

Additional charges apply and lead time may be affected.



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## Tri-Boro Storage Products

www.TriboroShelving.com

300 Dominion Drive | Farmville, VA 23901 | 800-633-3070 | fax 434-315-0139

19-40 Flushing Ave. | Ridgewood, NY 11385 | 718-782-8527 | fax 718-963-0457



Storage Manufacturers Association

