

Expand Your Useable Storage Space ...

Lyon's teardrop design features a totally enclosed and welded upright tube that is 20% stronger than traditional open back upright systems. Yet it is totally interchangeable with all major teardrop-style products on the market today. Why not upgrade to Lyon – today!

Complete Flexibility in Rack Height and Width!

Stock upright posts are available in 96", 120", 144", 168" and 192" heights, while stock beams are available in 96", 108", 120", and 144" lengths.

Accessorize your Pallet Rack

It's easy to tailor your Pallet Rack to meet your individual requirements. Selections are on page 167.

Tough, Durable, Smooth Finish

Our baked-on powder epoxy finish gives an appliance-like finish that is impact and corrosion resistant.

COLOR INFORMATION, choose from the following

in stock	Gray Upright Frames/Accessories Brace Set Kits
in stock	Safety Orange Arms



Pallet Rack Features

UPRIGHT POSTS

Unique Design

- Thirty-five different stock upright sizes available in Light, Medium, Heavy-Duty and Extra-Heavy Duty.
- All uprights are punched with tempered keyhole slots every 2".
- Totally enclosed upright tube provides greater strength-to-weight ratio.
- Minimum-sized slots mean more steel per upright. Uprights structures are 100% mig-welded with precision K-brace and heavy-duty cross channel reinforcement for increased strength, rigidity and resistance to abuse.



Easy Adjustment

- Tapered keyhole slots on 2" centers, provide quick, easy vertical adjustment of beams.
- There are no "dead spots" or obstructions in upright posts to impede movement of beam along the entire height.



Interchangeable

Lyon pallet rack fits with other traditional teardrop designs. That means you can upgrade damaged, weak, worn out uprights and beams with versatile Lyon rack. No need to change your whole system.

BEAMS



Wide Capacity Range!

- Beams are available in:
- 96" (2,800 to 7,000 lb.)
 - 108" (3,200 to 6,350 lb.)
 - 120" (5,200 to 8,300 lb.)
 - 144" (5,174 to 8,330 lb.)
 - Safety Orange finish aids forklift operators in proper placement of pallets.

Three-Point Safety Catch

Each beam has three rugged studs (four on heavy-duty) that engage the tapered keyhole slots in the upright with a compression fit. Integral safety lock automatically locks into place when beam is properly seated. Heavy duty locks are replaceable. Lock is easily changed if damaged – eliminating the need to replace the entire beam.

Beams

Roll-formed beams are structurally strong with an integral step for decking, and are totally enclosed for clean applications.

Front-to-back Supports

- Pronged front-to-back supports seat in pre-slotted beams to prevent spreading on extra wide racks.
- Simplifies proper installation.
- Plywood support channels allow use of plywood or other decking material.



with Lyon Pallet Rack.



Pallet Rack Safety Recommendations

Determine actual load requirements as accurately as possible and adhere to rated capacities shown in tables on the following pages. Lyon pallet rack is engineered for long life and under normal operating conditions, will provide years of trouble-free service.

Frame Depth

Recommended pallet overhang is 3". For pallets 48" deep, recommended frame depth is 42".

Frame Height

When determining load heights, remember to include height of pallet. For lower-level storage, allow 4" minimum clearance between top of load and bottom of next-highest beam. Allow 6" minimum clearance at higher loading levels and not less than 18" (or as required by local codes) between uppermost load and ceiling sprinkler units.

Beam Length

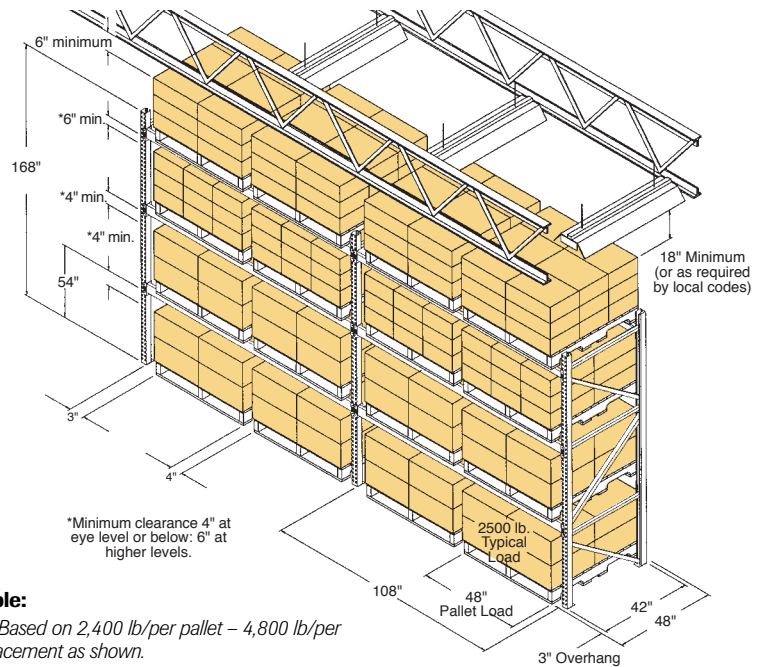
Lyon recommends a clearance of 4" between palletized loads – and between loads and uprights. Minimum clearance between loads and upright posts should not be less than 3". Beams over 120" in length should be tied together with the appropriate front-to-back bar to maintain proper spacing at each storage level.

Back-to-back Clearance

Clearance should be sufficient to accommodate minimum pallet overhang and tolerances – where pallet placement may vary. Additional clearances may be required to accommodate building structures or intermediate sprinkler systems (according to local codes).

Installation and Anchoring

To insure minimum stability standards, racks should be level, plumb and properly anchored.



Example:

Given: Based on 2,400 lb/per pallet – 4,800 lb/per bay; placement as shown.

Select: proper beams and uprights.

Beams: Load – 4,900 lb/pair. Using pallet width information, select 108" beam length – No. LBS-435-L108 with a 4,900 lb. rated capacity.

Upright Frame: Load – 6 loads x 2,400 lb. = 14,400 lb. (See chart on page 164.) Using pallet load height and depth information, select frame size 42" x 168". Use height to first beam (or maximum beam spacing – whichever is greater) 54".

Use the Upright Frame Capacity Chart for a 54" spacing and select the medium-duty post. Refer to ordering information for product numbers and select No. LU-324-42M168.

Additional precautions should be taken in applications where extraordinary rack abuse is anticipated. For example, when narrow aisles are used for high speed or high inventory turnover operations, Lyon recommends additional rack reinforcement. Impact supports and aisle guidance devices may be advisable – especially at aisle intersections and other vulnerable locations.



NOTE: Not for seismic applications – see page 163 for seismic-rated rack.