

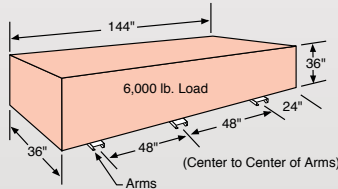
# Cantilever Rack Arms

## Arm Selection Information

Divide the total weight by the number of arms required.  
*Example: with a load weight of 6,000 lbs on 3 arms, each arm needs a capacity of at least 2,000 lbs. (6,000 divided by 3).*

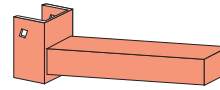
## Stacking Height and Vertical Arm Spacing Information

1. Height to ceiling: Measure distance from floor to ceiling and subtract 10" clearance (subtract 18" clearance where ceiling sprinklers are present). Consult building codes in your area for exact clearance required.
2. Allow for equipment capabilities: When usable floor-to-ceiling space exceeds equipment lift heights, determine maximum equipment lift height and subtract 6" margin. Add the height of top level load for revised stacking height.
3. Number of load levels: For loads of consistent size, determine height of one load plus 10" for arm clearance. Divide that stacking height by dimension above to determine number of possible load levels.



## Cantilever Rack Arms

Arms are secured to upright column by 3/4" diameter Grade 5 machine bolts.



Standard Arm

Optional canted arms are available, please contact your local Lyon representative. Not available in 48".

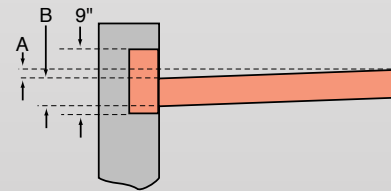
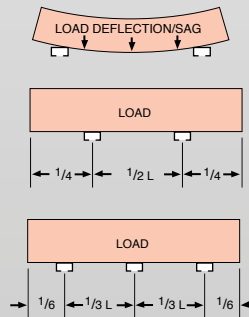
Arm Length	Cat. No.	Reg. Duty Cap.	Cat. No.	Heavy Duty Cap.
18"	CA-14-2418	2,440	-	-
24"	CA-14-2424	2,000	CA-11-2524	3,720
30"	CA-14-2430	1,390	-	-
36"	CA-14-2436	1,200	CA-11-2536	2,260
42"	CA-14-2442	1,100	-	-
48"	CA-14-2448	1,000	CA-11-2548	1,845

**\* NOTE:** The load capacities in the above table are based on uniformly distributed loads along the full length of the arm. All steel 50,000 psi minimum yield. Safety factor = 1.65. 18" arms to be used with 24" bases.

## Horizontal Arm Spacing Information

When figuring the length of a load, allow for clearance between loads; 8 to 10 inches is a good rule of thumb for long loads. Check rack arm spacing with fork arm spacing on handling equipment for safe working clearances.

1. Arm spacing is determined by degree of load deflection between arms, which is dependent on rigidity of load. For safe loads with two-arm support, distance between arms should be 1/2 the load length. Three-arm support should be 1/3 the load length.
2. You can perform on-site tests by setting required load on two 2x4's on floor at maximum arm spacing (96") and reduce spacing in 24" increments to arrive at an acceptable sag tolerance. If necessary, add more 2x4's to accomplish this. Loose loads have a tendency to sag more than bundled loads.



Arm Length	A	B
18"	1.0"	*
24"	1.3"	*
30"	1.7"	*
36"	2.0"	*
42"	2.3"	*
48"	2.6"	*

**\* NOTE:**  
 4" - Regular Duty Arm  
 5" - Heavy and Extra-Heavy Duty Arms

