

Groves Incorporated

Manufacturers of Ready Rack and Groves Glass & Stone Storage Systems
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General Use and Safety Guidelines

BUNDLE RACK, HEAVY DUTY BUNDLE RACK - LONG

1. Bottom rails should be properly secured to the ground through ALL pre-drilled 0.5" holes. Also, be sure the 11" steel connecting tubes are used if joining two or more sets of bottom rails. Position the bottom rails parallel with each other, and wide enough apart so that approximately 12" of stone overhangs each outer edge.
2. Only install the Bundle Rack on a level, hard surface.
3. Only install the Bundle Rack in a non-public, secured area that is off limits to non-company employees.
4. Do not exceed the recommended maximum weight capacity for each opening (set of two posts): (**Note: The max weight capacities listed are static, and do not take into consideration impact or dynamic forces.)
 - a. Bundle Rack = 9,000 lbs. max weight capacity per opening; 4,500 lbs. per post.
 - b. Heavy Duty Bundle Rack – Long = 9,000 lbs. max weight capacity per opening; 4,500 lbs. per post.
5. Always be sure the posts extend all the way to the ground (through both the top and bottom square openings inside the bottom rail), and that each post has its opposing post inserted into the same corresponding slot on the other bottom rail. Also, be sure the weight limit labels on each post are facing to the outside of the bottom rails, and that rubber post caps have been attached to the top of each post. Wood 2x4's must be placed in the bottom rail slots.
6. Be sure there is no debris inside the bottom rail that would prevent the posts from coming in direct contact with the ground. This inspection should be done each time a post is inserted into the bottom rail.
7. Ensure a proper lean to the stone being stored. As a general rule, leave approximately 2" between the bottom of the bundle and the bottom of the destination post.

BUNDLE RACK SAFETY NOTE:

*When placing a stone bundle into the Bundle Rack, there should be a defined four-post cavity on the bottom rails, with only ONE square hole skipped between each post (See Figure 1). Of the four posts in this cavity, a particular set of two opposing posts (one on each bottom rail) should be predetermined by the operator as the "destination posts" for the anticipated lean of the bundle. (These should be posts without stone already leaning on them.) This will allow the operator to concentrate on where he/she sets the bundle down and prevent the need to "reposition" the bundle afterward. ***NOTE: Having skipped only one space between posts on the bottom rail creates a narrow enough cavity to help "guide" the bundle to a place where an optimal lean is more likely to be attained. If more than one hole is skipped between each post, the operator could inadvertently set the bundle too far away from its destination posts, creating an over-aggressive lean which could put an unsafe load onto the destination posts. ***NOTE: Do not allow the bundle to fall onto the posts.*

The bundle should come in contact with the posts in a slow and controlled manner, touching both posts simultaneously.



Figure 1

IMPORTANT NOTE: If you have questions concerning any of the above guidelines, please contact Groves Inc. immediately for further information. 800-991-2120