

# Groves Incorporated

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

### SPREADER BEAMS and SLINGS

1. Do not lift more than the stated weight capacity for each spreader beam (SB-108-5K = 5,000 lbs, SB-168 = 10,000 lbs, SSB-96 = 10,000 lbs).
2. Inspect spreader beam and slings for wear and damage before each use.
3. If using Groves' slings, be sure the sling's black protective surface is facing the inside (next to the load being lifted). The yellow woven material should be oriented to the outside.
4. When looping glass or stone slings over the ends of a spreader beam, be sure each sling is nested inside the same corresponding notched position on the top of each end of the spreader beam. Make sure the slings are the correct width to fit completely inside the sling stops. If a pin is included, be sure to always insert it completely through each side of the sling stop flange before lifting (see Figure 1 below). \*\*\*If the spreader beam design does not have sling stops capable of receiving a pin, the following instructions should be carefully followed\*\*\*:
  - a. **Prior to completely lifting a load** there needs to be partial tension on the slings, especially with new slings, followed by a re-confirmation of proper sling positioning on top of the beam (see #4 above). The slings should be fully nested inside the sling stops prior to lifting 100%. If the slings have Velcro straps situated just below the spreader beam, be sure they are wound tight and secure around the slings. This will help prevent sling slippage prior to lifting. If the slings have horizontal side straps, be sure the appropriate sling stops are utilized that will draw them snug against the side of the glass. This will help ensure proper and balanced positioning of the slings and shoes underneath the load. (See Figure 2 below)
  - b. The operator also needs to be sure the load is balanced between the two slings, and that the load is exactly horizontal when lifted from its resting place.
5. Groves Incorporated recommends using our glass shoes when using slings to lift un-cased stone packs of glass. Over time, the raw edge of glass will cut and fray the protective covering and the woven polyester webbing and create an unsafe situation when lifting. (See Figure 3 below)
6. It is the customer's responsibility to select and utilize the correct lifting mechanism, chain, wire rope and hooking device.



Figure 1

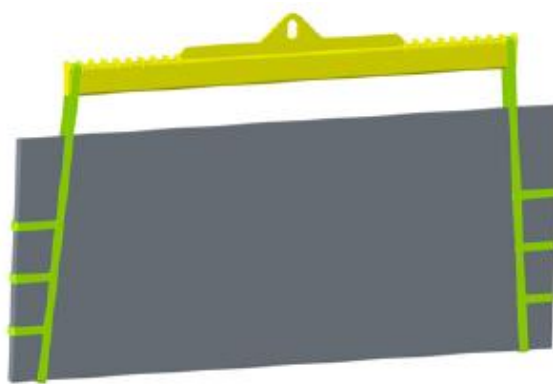


Figure 2



Figure 3

**IMPORTANT NOTE:** If you have questions concerning any of the above guidelines, or any product not specifically mentioned, please contact Groves Incorporated immediately for further information. 800-991-2120.