

SPECIFICATIONS FOR GLASS SHELVING

Cable Load Specifications*

Shelving

For the majority of shelving applications the entire weight load is solely held by the upper cable fixings. When installed properly your shelving system will be supported by the full strength of each cable. In compliance with industry standards, Nova Display Systems recommends using no more than 50% of the actual breaking strength of the cables as a safe working load.

The Safe Working Load for 1/16" Cable is 100 lbs.

Shelving supports are used to attach the shelving to the cables, the supports allow the shelving to be positioned anywhere along the cable system. Nova Display Systems recommends using no more than 50% of the actual breaking strength of the cables as a safe working load.

The Safe Working Load for shelving supports is 25 lbs.

Disclaimer: Published weight loads provided by Nova Display Systems in this section are based on 1/16" cable. We also offer 1/8" cable for heavier loads. In this case safe working loads are calculated at approximately 50% more than the 1/16" cables. Shelf support limitations do not change. Incorrect installation rests with the installer.

These systems are only as strong as the structures to which they are anchored to and the anchoring hardware used to install them. If you have any questions, please contact us directly or defer with a qualified installer.

Materials and Thicknesses

Nova Display Systems offers a large number of shelving hanging options, That are designed to work with many different shelving mediums, and thicknesses. Industry standard materials are wood, tempered glass and acrylic. We offer supports for up to 1/2" shelving. We recommend using tempered glass for all glass shelving systems. Installers must determine a safe depth and length of shelving to prevent any bowing or breakage. When choosing your shelving material, the weight of the shelving must be factored into the total weight the overall system can support.

Recommended Weight Loads - Single Column Shelves

Although the combined strength of the 4 - cable shelf unit using 1/16" diameter cables is 400 lbs., the maximum allowable weight per shelf is less because the weight on each shelf may be unevenly distributed towards the shelf support clips. We recommend no more than 6 sets of shelves per column.

Recommended Weight Loads - Multiple Column Shelves (sharing cables)

Although the combined strength of the 6 - cable shelf unit using 1/16" diameter cables is 600 lbs., the maximum allowable weight per shelf is less because the weight on each shelf may be unevenly distributed towards the shelf support clips. We recommend no more than 6 sets of shelves per column.

Nominal Glass Shelf Thickness	Distance between supports in (feet)				
	1 foot	2 feet	3 feet	4 feet	5 feet
3/16"	197.60	42.00	13.20	3.20	n/a
1/4"	294.00	63.60	21.20	6.00	n/a
3/8"	786.80	182.00	70.00	30.80	12.80
1/2"	1381.60	325.60	130.40	58.00	30.00

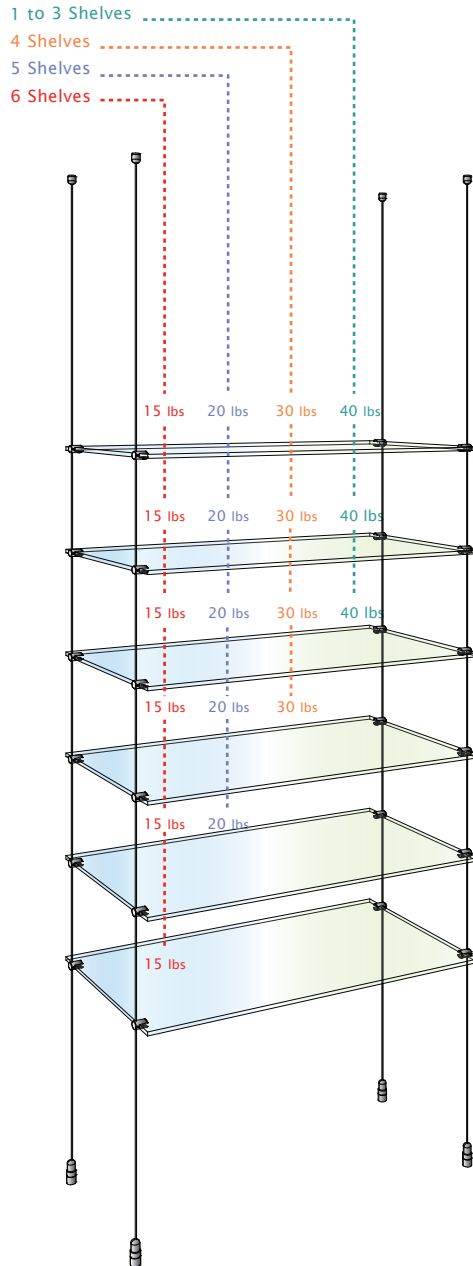
* maximum loads are based on even distribution of weight across shelving

Permissible Loads for Glass Shelves

SPECIFICATIONS FOR SINGLE COLUMN GLASS SHELVING

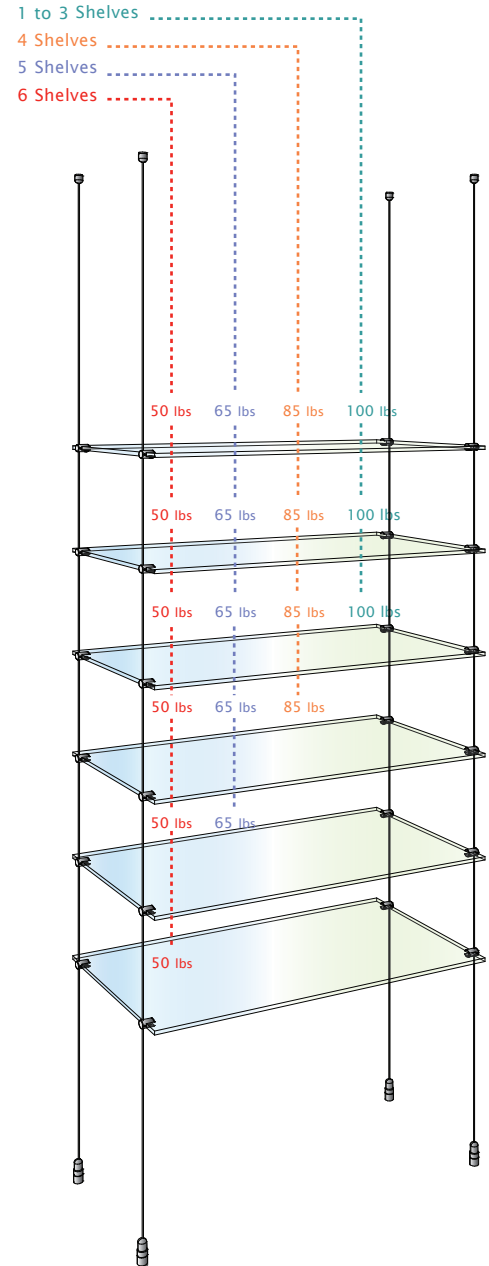
3/16" Glass

- 1 Shelf System - 40 lbs per shelf
- 2 Shelf System - 40 lbs per shelf
- 3 Shelf System - 40 lbs per shelf
- 4 Shelf System - 30 lbs per shelf
- 5 Shelf System - 20 lbs per shelf
- 6 Shelf System - 15 lbs per shelf



3/8" Glass

- 1 Shelf System - 100 lbs per shelf
- 2 Shelf System - 100 lbs per shelf
- 3 Shelf System - 100 lbs per shelf
- 4 Shelf System - 85 lbs per shelf
- 5 Shelf System - 65 lbs per shelf
- 6 Shelf System - 50 lbs per shelf



Permissible Loads for Glass Shelves

SPECIFICATIONS FOR DOUBLE COLUMN GLASS SHELVING

3/16" Glass

1 Shelf System - 30 lbs per shelf

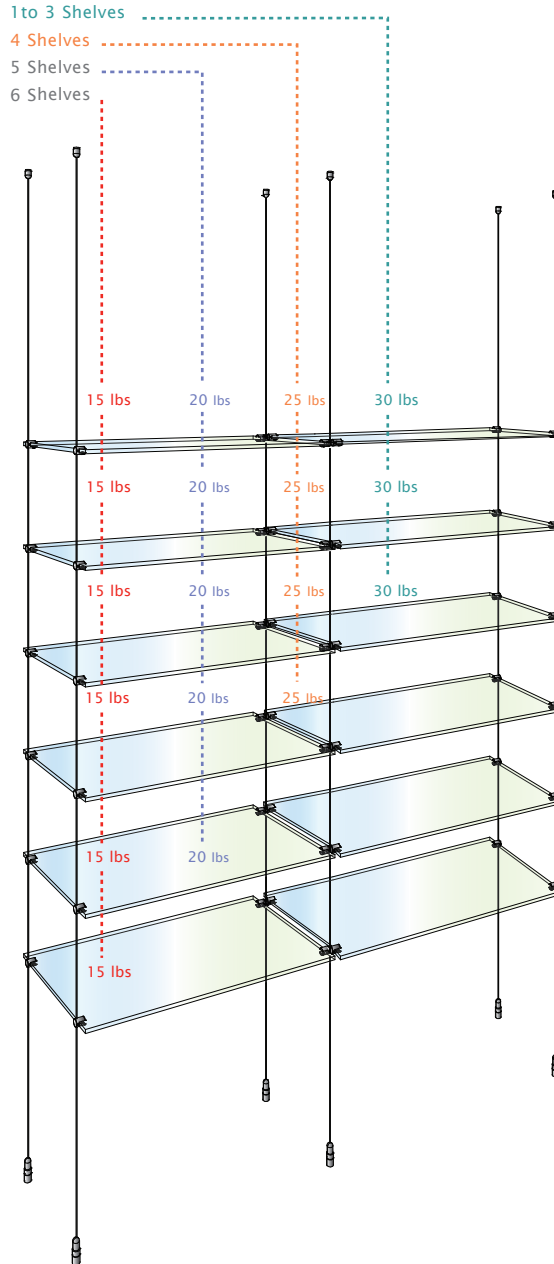
2 Shelf System - 30 lbs per shelf

3 Shelf System - 30 lbs per shelf

4 Shelf System - 25 lbs per shelf

5 Shelf System - 20 lbs per shelf

6 Shelf System - 15 lbs per shelf



3/8" Glass

1 Shelf System - 75 lbs per shelf

2 Shelf System - 75 lbs per shelf

3 Shelf System - 75 lbs per shelf

4 Shelf System - 50 lbs per shelf

5 Shelf System - 40 lbs per shelf

6 Shelf System - 30 lbs per shelf

