

Permissible Loads for Glass Shelves

SPECIFICATIONS FOR CABLE/ROD SUSPENDED GLASS SHELVING

Cable/Rod 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. Shelving clamp supports are used to attach the shelving to the cables, the supports allow the shelving to be positioned anywhere along the cable system. The Safe Working Load for each of these supports is **25 lbs**.

Cable/Rod Suspension System Safety Load Limits

Weight-bearing per suspension point	1.5mm (1/16") Cable	3mm (1/8") Cable	6mm (1/4") Rod	10mm (3/8") Rod
Ceiling-to-Floor	264 lb (120 kg)	441 lb (200 kg)	441 lb (200 kg)	441 lb (200 kg)
Wall-to-Wall	132 lb (60 kg)	N/A	132 lb (60 kg)	132 lb (60 kg)

* Note: For shelves it is recommended to have no more than 48 inches between suspension points (cable/rod centers)

Disclaimer: These cable/rod systems are only as strong as the structures to which they are anchored to and the anchoring hardware used to install them. 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 that the overall system can support. Incorrect installation rests with the installer.

Limitation of Liability: In no event will Nova Display Systems be liable for any damages, losses, or expenses arising in connection with misuse or inability to use our products. The customer shall test and verify the suitability of the product for intended use. No warranty for intended use is made. The customer assumes all risk and liability. Nova Display Systems only obligation is replacement or credit for product proven defective. Any technical advice furnished or recommended by Nova Display Systems concerning use or application of any product is believed to be reliable but the company makes no warranty of results obtained.

Recommended Weight Loads - Single Column Shelves

Although the combined strength of the (4) four cable suspension sets is 540 lbs (for 1/16" diameter cables) and 880 lbs (for 1/8" diameter cables), 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) six cable suspension sets is 790 lbs (for 1/16" diameter cables) and 1,320 lbs (for 1/8" diameter cables), 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 Safety Load for Tempered Glass Shelves

Nominal Glass Shelf Thickness	Distance between cable/rod shelf 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

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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

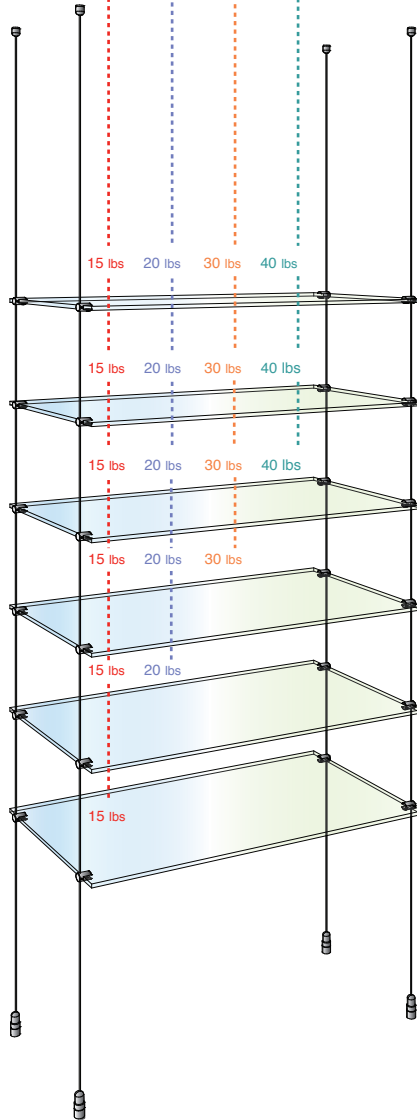
6 Shelf System - 15 lbs per shelf

1 to 3 Shelves

4 Shelves

5 Shelves

6 Shelves



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

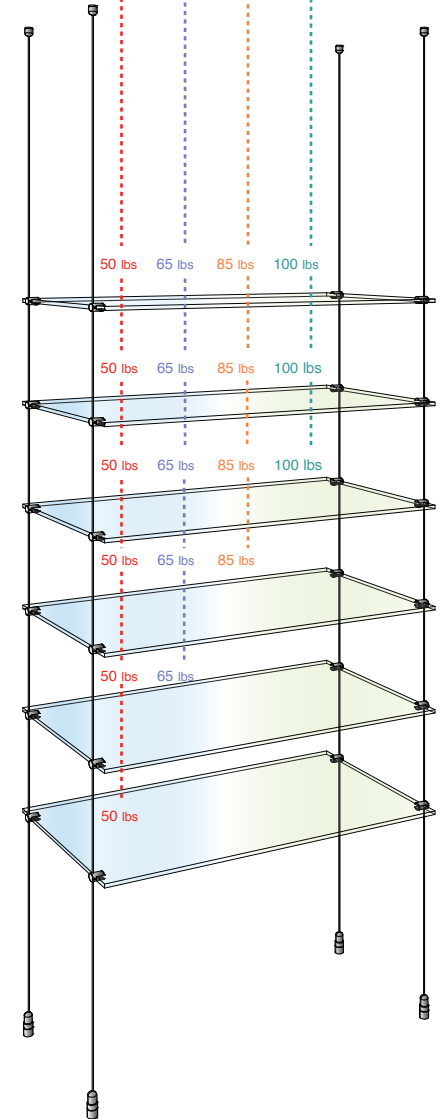
6 Shelf System - 50 lbs per shelf

1 to 3 Shelves

4 Shelves

5 Shelves

6 Shelves



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SPECIFICATIONS FOR DOUBLE COLUMN GLASS SHELVING

3/16" Glass

1 Shelf System - 30 lbs per shelf

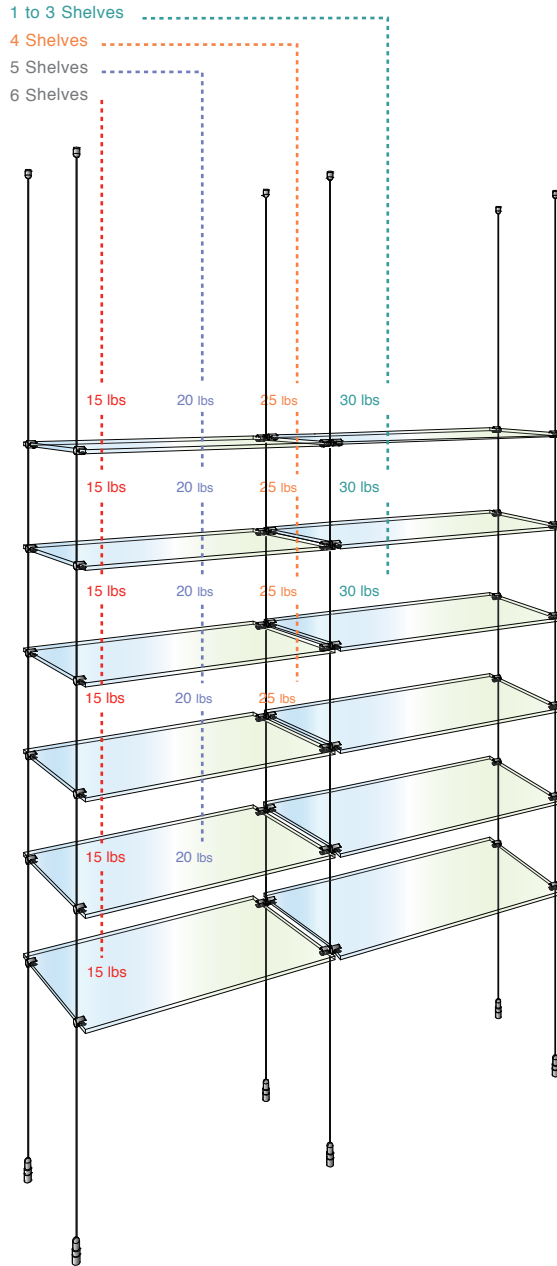
2 Shelf System - 30 lbs per shelf

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

