

TECH DATA

SHELVING SYSTEMS

FLEXIBLE SHELVING

Functional designs for adaptable use

Straight and to the point like its name, Spacesaver's Flexible Shelving allows valuable available space to be used for multiple purposes. Offering users the ability to utilize their limited physical space as they see fit, this durable and versatile option can be moved and configured to accommodate the current need and easily adjusted for the next.



FEATURES

CORRECT CONFIGURATION

Ensuring you get the solution that best fits your needs, Flexible Shelving is available in **4-Post** and **Cantilever** design configurations.

MOBILITY OPTIONS

Available with **Exposed Locking** and **Concealed Caster Bases**, you'll get the exact mix of fit and function for your operation's needs.

CUSTOMIZED APPEARANCE

Panels are sourced directly through Spacesaver's network of local distributors and are available in **wood**, **laminated**, **acrylic** and **resin finishes** in a myriad of color options to match the look and feel your space requires.

BENEFITS

FLEXIBILITY

- Space reconfiguration on the fly
- Frees up valuable space for events, meetings, classes, training, makerspaces, and more

AESTHETICS

- Customizable end panel finishes available (commonly laminate, wood, acrylic, and resin)
- Ability to create a cohesive and complimentary look

COST-EFFECTIVE

- Maximizes funding by delivering a solution that accommodates a variety of uses
- Reduces cost per square foot by enabling space to be used for many purposes

QUALITY AND DURABILITY

- Spacesaver's Flexible Shelving Caster Bases passed:
 - » Rigorous internal cart stability testing per BIFMA X5.9-2012 Section 9 standards
 - » Maximum Load Testing - proving Spacesaver's caster base design will robustly support an 810 lb. point-load or 1,620 lbs. total load per 72"W caster base, which represents the maximum loading scenario for a single caster base



TECHNICAL SPECIFICATIONS FLEXIBLE SHELVING CASTER BASES

EXPOSED LOCKING CASTER BASES:

Ideal for Flexible Shelving units that are planned to move on a frequent basis and require total-lock braking functionality (locking both the swivel and the wheel when the brake is engaged).

- Double-wheel, total-locking casters with wheel diameters = 100 mm (3.937 inches)
- Caster trim comes standard with grey colored wheel tread and brake pedal, and a white caster body, for a neutral finish that fits well within most any space
- Caster wheel tread is non-marking, made of polyurethane material with Shore A 92 hardness, designed for durability and smooth motion on both carpeted and solid surfaces
- Caster base height from the floor to the bottom of the shelving = 7.911"
- Reveal height from the floor to the bottom of the caster base = 4.621"
- Actual caster base width without panel finishes = Nominal Shelving Width + 0.350"
- Actual caster base depth without panel finishes = Nominal Shelving Depth + 0.625"



Weight Capacities:

CASTER BASE SIZE	# OF CASTERS PER UNIT	RATED TO SUPPORT (UNIFORMLY DISTRIBUTED) LOADS OF UP TO:
36" to 71" wide	4	880 lbs.
72" wide	6	1,320 lbs.



Weight Capacities:

CASTER BASE SIZE	# OF CASTERS PER UNIT	RATED TO SUPPORT (UNIFORMLY DISTRIBUTED) LOADS OF UP TO:
36" to 71" wide	4	1,080 lbs.
72" wide	6	1,620 lbs.

CONCEALED CASTER BASES:

Ideal for Flexible Shelving units that are less frequently moved. Casters are hidden for the appearance of static shelving, with the functionality of movable shelving. The low caster base profile allows for books and other collections to be stored lower to the floor compared to exposed caster bases, allowing for a greater volume of collections to be displayed. Although the casters do not lock, the weight of the Flexible Shelving unit keeps it stationary for browsing while still providing the capability to reconfigure your space as needed.

- Single-wheel caster construction
- Caster wheel diameter = 3"
- Wheel color: Grey
- Caster wheel is made of rubber material of Durometer 75D hardness and is designed to work well on both carpeted and solid surfaces
- Caster is concealed and therefore non-locking
- Caster base height from the floor to the bottom of the shelving = 4.520"
- Reveal height from the floor to the bottom of the caster base = 1.230"
- Actual caster base width without panel finishes = Nominal Shelving Width + 0.350"
- Actual caster base depth without panel finishes = Nominal Shelving Depth + 0.625"

CASTER BASES SHALL BE CONSTRUCTED OF:

- (2) cross supports (C-Channel weldments) per caster base, or (3) per 72"W caster base. Cross supports shall be formed of 14 ga. (1.9 mm) hot rolled steel.
 - » For Exposed Locking Caster Bases only: (2) caster mounting plates shall be bolted in (4) locations to each cross support. Caster mounting plates shall be formed of 11 ga. (2.9 mm) hot rolled steel.
 - » For Concealed Caster Bases only: (2) caster mounting supports shall be welded to each cross support and formed of 14 ga. (1.9 mm) hot rolled steel.
- (2) supports that form the front and back profiles of each caster base, with a 0.25 in. (6.35 mm) thick hem feature for structural rigidity, shall be formed of 12 ga. (2.6 mm) hot rolled steel.
- (2) welded end-panels that form the side profiles of each caster base shall be formed of 14 ga. (1.9 mm) hot rolled steel.
- (1) spacer plate shall be welded to each cross-support and formed of 12 ga. (2.6 mm) hot rolled steel.

TECHNICAL SPECIFICATIONS SHELVING TYPES



CANTILEVER LIBRARY SHELVING:

Standard Cantilever Shelving and Frame WRX accessories are available for Cantilever Flexible Shelving Units with exception to retractable accessories, reference shelves, and any accessories that pullout beyond the footprint of the flexible shelving caster base.

STANDARD CANTILEVER DIMENSIONS

WIDTH	36" 72"
DEPTH	20" 22" 24" 26"
HEIGHT	42" 66"

CUSTOM CANTILEVER DIMENSIONS

HEIGHT	Available in 1" increments from 30" to 72" but may not exceed a 3:1 height-to-depth ratio* for safety purposes.
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4-POST SHELVING:

Standard 4-Post accessories are available for 4-Post Flexible Shelving Units with exception to doors and drawers, reference shelves, and any accessories that pullout beyond the footprint of the flexible shelving caster base.

STANDARD 4-POST DIMENSIONS

WIDTH	36" 72"
DEPTH	20" 22" 24" 26"
HEIGHT	40 1/4" 64 1/4"

CUSTOM 4-POST DIMENSIONS

WIDTH	Available in 1" increments from 36" to 72"
DEPTH	Available in 1" increments from 20" to 36"
HEIGHT	Available in 1.5" increments from 5 3/4" – 71 3/4" but may not exceed a 3:1 height-to-depth ratio* for safety purposes.

*Ratio applies to the nominal shelving depth and the actual flexible shelving unit height without finish panels (i.e., caster base height from floor to the bottom of the shelving + actual shelving height)

ACTUAL OVERALL HEIGHT OF FLEXIBLE SHELVING UNITS:

Shelving height + Caster Base height* + Panel Finish standoff and material thickness height

(*7.911" for exposed caster base height or 4.520" for concealed caster base height)

TECHNICAL SPECIFICATIONS

PANEL FINISHES

Custom designed panel finishes are commonly available in a variety of materials, such as laminate, wood, acrylic, and resin. Sourced directly through Spacesaver's distributors with consulting and design expertise every step of the way, contact our team for assistance designing custom panel finishes that perfectly complement your space.



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