



Self-Storage Roll-Up Doors
Models 501, 502, 566

U.S. Door & Building Components offers the most complete and comprehensive portfolio of doors in the Self-Storage Industry. Setting the standard in value and performance, no one understands self-storage like us. When it comes to product selections, easy installation, ease of operation and long-term durability... nobody offers more than U.S. Door.





The 502's Enclosed Barrel

Model 501

U.S. Door's legendary Model 501 Roll-Up steel door is the standard of the self-storage industry. There are more Model 501's currently in operation than any other competitor's single roll-up door model. We understand the importance of tough long-lasting finishes, moving parts requiring minimal maintenance and doors that are easy to open and easy to close every time.

The 501 can be installed quickly and mounted to wood, masonry, or steel jambs, with sizes up to 10' (3048 mm) wide by 10' (3048 mm) high.

Designed with standard nylon bushings in the door mounting brackets, the Model 501 surpasses all specified factory cycle tests showing almost no signs of any component wear after more than 100,000 tested cycles. Designed to last a lifetime, the Model 501 has earned its reputation as the self-storage "Roll-Model."

For the ultimate in quiet and ease of operation, the Model 501 offers optional steel bearings and a cast steel ratcheting tension device.

The closer you look, the more you will appreciate the quality and durability offered by U.S. Door & Building Components products.

Model 502

Take all the benefits and advantages of the popular Model 501 self-storage door and add the safety and aesthetic appeal of a fully enclosed barrel and you have the U.S. Door Model 502.

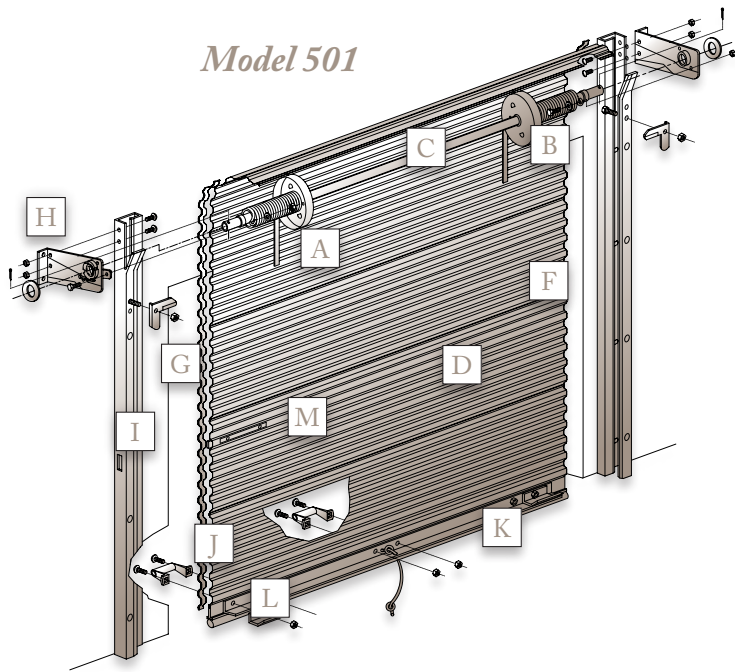
The Model 502 Roll-Up door can be installed easily by two men in under 5 minutes, is nearly maintenance-free, and simple to operate. It features a galvanized enclosed barrel protecting the axle, drums and a fully lubricated spring assembly. This model includes an exclusive tension device providing unrivaled safety and speed for tension adjustment making it excellent for the do-it-yourself and retail markets.

The Model 502 is perfect for installation in self-storage facilities, backyard sheds and confined workshop conditions. An installation video is available.

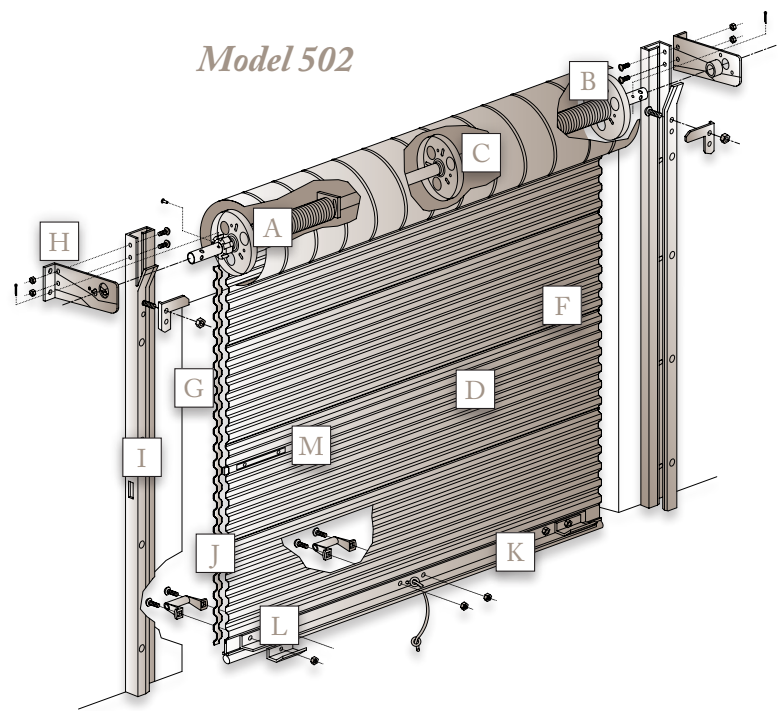
Tensioning Device on Model 502



Self-Storage Door Features: 501 and 502 Models



Model 501



Model 502

Barrel Assembly

501-A: Counterbalance – Helical torsion spring (3.375" ID) is factory calibrated and lubricated to ensure trouble-free performance and unparalleled cycle life. Superior engineering means greatly reducing spring maintenance along with faster and easier installation.

502-A: Counterbalance – Helical torsion spring (3.375" ID) is factory calibrated and lubricated to ensure trouble-free performance and unparalleled cycle life. Springs are pre-stretched and permanently attached in the factory, minimizing field installation labor while guaranteeing proper operational tolerances. Ratcheting tension adjuster is standard on the Model 502. All parts are hidden to protect the installer and the operator.

501-B: Drum/Locating Collars – In order to meet the tough demands of self-storage, the 9.5" diameter 18-gauge drums are furnished with locating collars and are permanently welded to the drive axle. This also makes installation faster while providing a positive location for the mounting brackets and guides.

502-B: Drums – Features galvanized 18-gauge drums with roller bearings permanently installed. These drums rotate around the shaft, effortlessly opening and closing the door the same every time. These doors pass our standard 60,000-cycle test, and keep on working.

501-C: Shaft – The heavy duty 1-5/16" (1.3125") OD 12-gauge axle pipe provides maximum strength and durability.

502-C: Shaft – A helically wound galvanized barrel surrounds the shaft and drum assembly for the full width of the door, providing maximum strength against deflection while fully enclosing the spring assembly of the door. Standard steel bearings provided.

Curtain Assembly

D: Finish Coat – These door curtains are pre-finished with a base coat primer to ensure long-term adhesion

and durability. This ensures that the medium gloss silicone polyester premium top coat keeps your facility looking better with minimal maintenance. The finish is guaranteed against chalking and fading for 20 years with 22 standard colors available.

E: Operation – Standard operation of doors by means of push-up operation, meets the American Disability Association standards for Accessible Design for Opening Force requirement.

F: Curtain – Doors are manufactured from precision roll-formed 26 gauge pretreated, galvanized and pre-painted commercial quality 80 ksi steel panels that are mechanically seamed together for a tough and durable curtain.

G: Curtain Stop – Wrap-around stop mounted on guide positively stops the door in the open position every time. Adjustable to allow vertically positive stopping at your desired height.

Brackets & Guides

501-H: Brackets – In order to meet the tough demands of self-storage, our brackets are made of 14-gauge hot-dipped galvanized steel; and are furnished with standard low-friction nylon bushings to provide smooth, trouble-free operation for years to come. Optional steel bearings and ratcheting tension device are also available.

502-H: Brackets – Made of 14-gauge hot-dipped galvanized steel, brackets securely lock the shaft assembly in place. The standard ratchet tension adjuster is safely located between the bracket and the drum assembly, providing maximum protection for the installer and end-user alike.

I: Guides – Door guides are made from galvanized steel with a polypropylene strip attached to the inside edge allowing for many years of quiet operation. Guides are precision punched and roll formed to the highest standards of quality and consistency. Designed with the customer in mind, one guide type is suitable for all

jamb types. Steel, wood, or masonry, every door is the same. Fasteners are securely hidden inside the track, yet carefully positioned away from the travel of the curtain. No rubbing, no pinching, no metal-to-metal contact, this guide design is ideal for all applications.

J: Polypropylene Wear Strip – One-inch wide strips are stapled along both edges of the curtain to prevent steel-to-steel contact between the curtain and guide for smoother and quieter door operation.

K: Bottom Bar / Bottom Astragal – A galvalume bottom bar reinforced with a heavy duty galvanized steel angle, provides maximum door strength and more aesthetic appeal. A flexible full-bulb type PVC astragal provides for long-term weather resistance and consistent closure to the finished floor.

L: Lift Handle – Our heavy duty lift handles provide both a handle for easier opening and a step plate for closing. A heavy duty polypropylene pull rope is also attached to the inside reinforcing steel angle for maximum safety and convenience.

M: Lock – Newly designed, factory installed anodized slide (stainless steel-optional) with standard provisions for two padlocks and/or a cylinder lock. Available Q4 2008.





Wind-Rated 501-23 & 502-23



Windlock 501-30 & 502-30 NYLON



Windlock 566-54 STEEL

U.S. Door Models 501-30 and 502-30 are the only nylon windlock roll-up doors in the commercial door industry.

U.S. Door and Building Components sets the standard for durable wind-rated roll-up doors. Providing many of the high wind and security benefits of steel windlock doors, the 501-30 and 502-30 doors are easy to install and quiet to operate.

For an added level of protection and peace of mind against the hostile elements, the addition of commercial windlock technology to the portfolio of products provides U.S. Door with the strongest wind-rated and security enhanced roll-up doors available for the self-storage industry. Even in non-wind-rated markets Models 501-30, 502-30 and 566-54 offer unparalleled security for units with 24-hour access.

Please note, all psf requirements are specified by local building codes and should be verified prior to door installation.

Models 501-23 and 502-23 doors provide protection against wind-load requirements up to 23 psf or approximately 120 mph wind gusts. These models offer the ease of operation and the quietness of a non-windlock door and have set the standard for economical and durable self-storage continuous roll-up doors.

Models 501-30 and 502-30 protect against wind-loads of up to 30 psf, or approximately 140 mph wind gusts. These models are each manufactured with the same precision roll-formed curtain design as the other 500 series models, but utilize nylon windlocks allowing for easy installation and smooth, quiet operation.

The Model 566-54 is tested to 54 psf, or 140+ mph gusts. It is the industry benchmark for withstanding blunt force impact and hurricane-force winds, engineered specifically to meet the tough Miami-Dade County, FL building and zoning codes, the highest wind-load requirement of any domestic building code

During Hurricane Andrew in 1992, the Model 566-54 doors withstood winds that far exceeded every published building code.



| Maximum Wind-Load Ratings (in psf) | | | |
|---------------------------------------|-----------------|-----------------|--------|
| Door Width | 501-23 & 502-23 | 501-30 & 502-30 | 566-54 |
| Up to 8'-0" | 23.9 psf | 36.7 psf* | 54 psf |
| 8'-1" to 8'-8" | 21.0 psf | 30 psf | N/A |

*Calculations approved through certified engineering.

22 Standard Colors*

03 – Gloss White

04 – Satin White

05 – Cobalt Blue

06 – Polar Blue

07 – Royal Blue

08 – Duro Bronze

09 – Chocolate Brown

10 – Calypso Green

11 – Hunter Green

12 – Marine Green

13 – Dark Teal

15 – Urgent Orange

17 – Lighthouse Red

18 – Lightstone Tan

19 – Natural Tan

20 – Bright Yellow

21 – Garnet Red

23 – Public Orange

24 – Extra Green

25 – Patriot Red

26 – Ultra Blue

28 – Oxford Gray

Optional Features

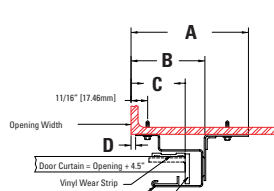


Model 501 Tension Device

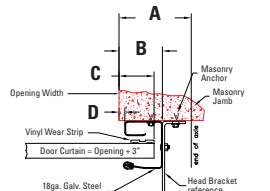
- A. **Roll-Up Door Insulation** – Laminated foil-bubble type insulation with a white backing is built into the door during the manufacturing process providing a thermal barrier.
- B. **Adjustable Tension Device** – Our adjustable tension device provides for easy maintenance that will increase the longevity of your door. Tension device is standard on the Model 502.
- C. **LTL Packaging** – Door, hardware and guides packaged together provide protection and ease of distribution to end users. Available for the Model 501 and 502.

Guide Specifications

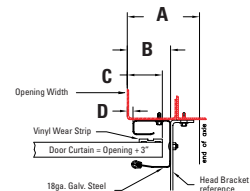
| Models 501 & 502 | A | B | C | D |
|---------------------|----------------|---------------|-----------------|-------------|
| Standard | 3 1/8" (79mm) | 1 7/8" (48mm) | 1 1/2" (38mm) | 1/4" (6mm) |
| 21 psf | 3 7/8" (98mm) | 2 7/8" (73mm) | 2 1/2" (63.5mm) | 3/16" (5mm) |
| 23 psf | 3 7/8" (98mm) | 2 7/8" (73mm) | 2 1/2" (63.5mm) | 3/16" (5mm) |
| 30 psf | 4 7/8" (124mm) | 2 5/8" (67mm) | 2 1/4" (51mm) | 3/16" (5mm) |
| Model 566-54 | 6" (152mm) | 3 7/8" (98mm) | 3 1/2" (89mm) | 3/4" (19mm) |



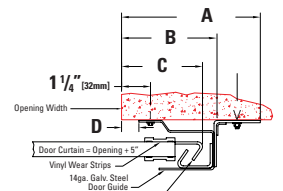
Model 501-30 PSF Steel Jamb



Model 501/502 - Masonry Jamb



Model 501/502 - Steel Jamb



Model 566 - Masonry Jamb

*These colors may vary slightly from actual. Contact us to request a color ring for an exact match.

Installation Requirements Use this guide to determine the best door for your application.

| | Models 501 & 502 | | 21/23 psf | | 30 psf | | Model 566 - 54 psf | |
|---------------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|---------------------|
| DOOR HEIGHT | MINIMUM SIDEROOM | MINIMUM HEADROOM | MINIMUM SIDEROOM | MINIMUM HEADROOM | MINIMUM SIDEROOM | MINIMUM HEADROOM | MINIMUM SIDEROOM | MINIMUM HEADROOM |
| Hand Operated - Pull Rope | | | | | | | | |
| Up to 8'0" High (2438.40mm) | 4.5" (114.30mm) | 16.0" (406.40mm) | 4.5" (114.30mm) | 16.0" (406.40mm) | 4.5" (114.30mm) | 16.0" (406.40mm) | 5.25" (133.35mm) | 16.0" (406.40mm) |
| Up to 10'0" High (3048.00mm) | 4.5" (114.30mm) | 17.0" (431.80mm) | 4.5" (114.30mm) | 17.0" (431.80mm) | 4.5" (114.30mm) | 17.0" (431.80mm) | 5.25" (133.35mm) | 17.5" (444.50mm) |

Self-Storage Space Options



Swing Doors



Lockers



EZ-Access Doors



Mezzanines



Hallways



Relocatable Units



1720 West Broadway Rd. • Mesa, AZ 85202

10407 Rocket Blvd. • Orlando, FL 32824

Toll free 1-877-877-8875

TEL 407-859-6770 Fax 407-447-2923

www.usdoor.com info@usdoor.com