



# SELF ROLL-UP STORAGE DOORS

MODELS 501, 502, 566

WINDRATED MODELS: 23 PSF, 30 PSF, 54 PSF

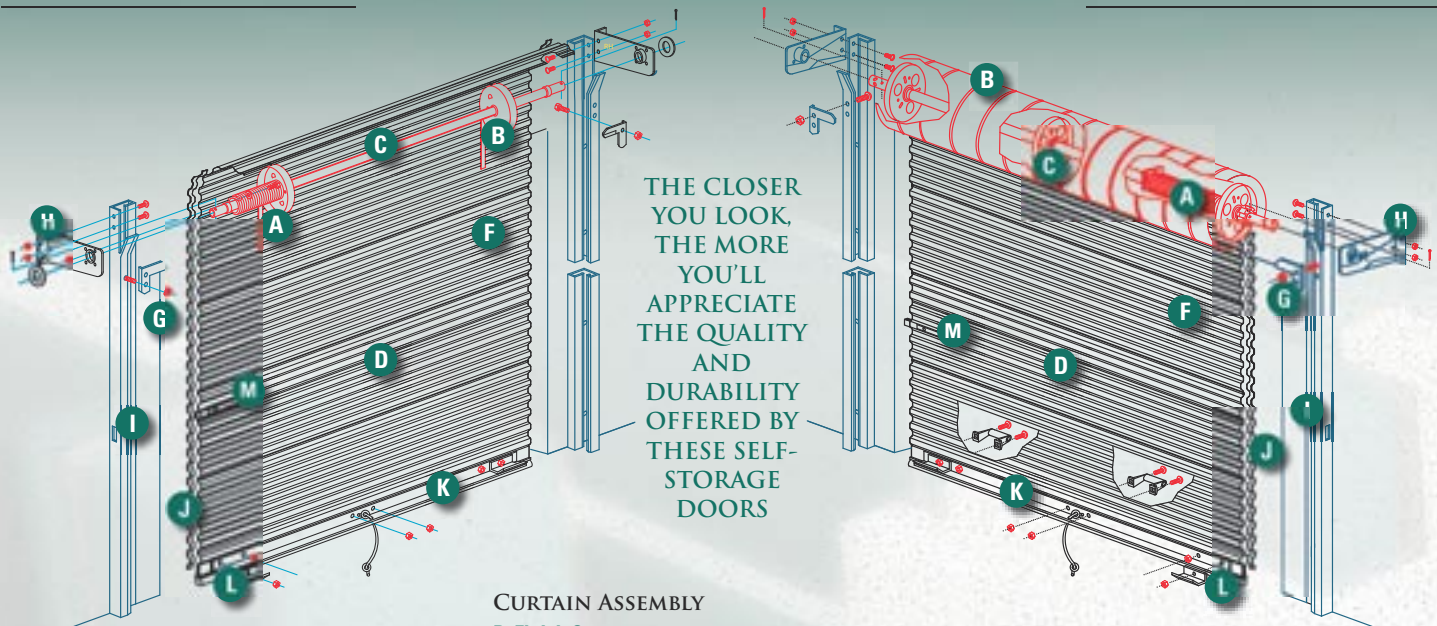


NOBODY OFFERS MORE THAN U.S. DOOR

# SELF-STORAGE DOORS

## MODEL 501 FEATURES

## MODEL 502 FEATURES



### 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.

#### 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.

#### 501 - C. Shaft

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

#### 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.

#### 502 - B. Drums:

Utilizing US Door's Commercial door designs, the Model 502 has galvanized 18-gauge drums with roller bearings permanently installed as standard. 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.

#### 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. Designed for light commercial applications and residential workshops the Model 502 is aesthetically pleasing both inside and out.

### 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 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

Our self-storage 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. A standard 1-inch self-lubricating polypropylene wear strip is stapled uniformly to the exteriors of the door to protect against nesting and metal-to-metal contact and resulting in ultra-smooth and quiet operation.

#### 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

The Model 502 mounting brackets, made of the same 14 gauge hot-dipped galvanized steel, 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

Our 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. The same wear strip as used on our commercial roll-ups up to 20' x 16', this edge provides a quieter operation while ensuring the door rolls the same time after time.

#### K. Bottom Bar / Bottom Astragal

A precision extruded aluminum bottom bar reinforced with a heavy duty galvanized structural angle, providing 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. Latch

Factory installed zinc-plated slide lock with standard provisions for two padlocks. Optional cylinder locks and stainless steel are available.



# DURABLE SELF-STORAGE SOLUTIONS

U.S. DOOR IS SETTING THE INDUSTRY STANDARD FOR VALUE AND PERFORMANCE. NO ONE UNDERSTANDS SELF STORAGE LIKE US AND WE HAVE ENGINEERED OUR DECADES OF EXPERIENCE INTO EACH AND EVERY ROLL-UP DOOR DESIGN. WHEN IT COMES TO EASY INSTALLATION, EASE OF OPERATION AND LONG-TERM DURABILITY...NOBODY OFFERS MORE THAN U.S. DOOR.

## 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. That's because the Model 501 has improved and evolved over the years, based on U.S. Door's decades of self-storage experience. We understand the importance of tough long-lasting finishes, moving parts that require minimal maintenance and doors that are easy to open and easy to close every time.**

Model 501 dependability starts with roll formed 26-gauge, 80 ksi steel panels, mechanically seamed together to create a tough and durable curtain. A standard 1" self-lubricating polypropylene wear strip is stapled uniformly to the exterior edges of the curtain and protects against nesting and metal-to-metal contact, resulting in ultra-smooth and quiet operation. The doors are easy to install and mount to wood, masonry, or steel jambs, with sizes as large as 10' (3048 mm) wide by 10' (3048 mm) high and optionally can meet wind loads of up to 140 mph.

Designed with standard nylon bushings in the door mounting plates, 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 our cast steel ratcheting tension device. No stamped edges to worry about, this all cast adjuster offers ease of adjustment while maintaining maximum safety for the end-user. Adjusting the operation of the door to meet your personal expectations has never been easier.

## 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 is also easy to install, nearly maintenance-free and simple to operate. It features a galvanized housing protecting the axle, drums and a fully lubricated spring assembly. This has become popular in self-storage applications protecting both the door and personal contents in the event the space is overloaded and contents are stacked high against the door's operating parts. The Model 502 includes an exclusive EZ-Tension Device as standard, providing for safe and economical adjustments.

The Model 502 is ideal for installation in back-yard sheds and confined workshop conditions. The mechanical components of the door are fully enclosed in a sealed barrel assembly, yet fully adjustable using the standard EZ-Tension Device.



# DURABLE WIND RATED SOLUTIONS

## SELF-STORAGE DOOR SYSTEMS

U.S. DOOR AND BUILDING COMPONENTS SETS THE STANDARD FOR DURABLE WIND-RATED ROLL-UP DOORS. IN FACT, THE U.S. DOOR MODEL 501-30 ROLL-UP DOOR IS THE ONLY NYLON WINDLOCK ROLL-UP DOOR IN THE COMMERCIAL DOOR INDUSTRY PROVIDING MANY OF THE HIGH WIND AND SECURITY BENEFITS OF STEEL WINDLOCK DOORS WHILE BEING EASY TO INSTALL AND QUIET TO OPERATE.

For an added level of protection and peace of mind against the hostile elements created by both man and nature, the Wind-Rated 501-23, 501-30, and 566-54 roll-up doors offer features that only the experience of U.S. Door can provide.

All of our windlock doors share engineering technology from our Model 651, the "granddaddy" of Wind-Rated commercial roll-up doors. Please note that all psf requirements are specified by local building codes and should be verified prior to door installation.

### WIND-RATED 501-23



Model 501-21 and 501-23 with Standard Curtain Up To 120 mph

Model 501-23 doors provide protection against wind load requirements up to 23 psf or approximately 120 mph wind gusts.

Our Model 501-23 Wind-Rated Doors have set the standard for economical and durable self-storage continuous sheet roll-up doors. Our Model 501-23 is the only 120 mph wind-rated door

available in the market today without using windlock add-ons. The ease of operation, the quietness of a non-windlock door, yet rated to 120 mph. When combined with our newest "Ratcheting Tension Adjuster" the Model 501 doors become the simplest doors to maintain, providing a long and useful working life. The Ratcheting Tension Adjuster allows one person to properly tension a door safely and efficiently. The adjuster is made from high strength cast steel for superior strength, toughness and longevity.

### WINDLOCK 501-30 NYLON



Model 501-30 with Nylon Windlocks Up To 140 mph

The Model 501-30 protects against wind loads up to 30 psf, or approximately 140 mph wind gusts.

The addition of our Model 651 commercial windlock technology to our wind-rated portfolio of products provides us with the strongest wind-rated and security enhanced roll-up

available for the self-storage market. Even in non-wind-rated markets the Models 501-30 and 566-54 offer unparalleled security for units with 24-hour access.

The Model 501-30 doors are each manufactured with the same precision roll-formed curtain design as the other 501 models, while offering easy installation and smooth, quiet operation.

### WINDLOCK 566-54 STEEL



Model 566-54 with Steel Windlocks 140 mph plus

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, Florida 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. Over the past 15 years we've engineered them to be even better! When it comes to hurricane force winds, we will stand behind our doors every time.



### Maximum Wind Load Ratings (in psf)

Door Width	Model 501-23 & 502-23	Model 501-30 & 502-30	Model 566-54
Up to 8'-0"	23.9 psf*	66.1 psf*	58 psf*
8'-1" to 8'-8"	21.0 psf*	42.2 psf*	54 psf*
8'-9" to 10'-0"	N/A	30.0 psf	50 psf*

\*Calculations approved through certified engineering.



# SELF-STORAGE DOORS FROM U.S. DOOR OFFER MORE OPTIONS, MORE VALUE AND LASTING DURABILITY

## STANDARD FEATURES

### 22 Standard Colors



Curtain is pre-finished with a base coat primer to ensure long-term adhesion and durability of the medium gloss silicone polyester premium top coat guaranteed against chalking and fading for 20 years. They are available in an industry leading 22 standard colors to make your facility look great.

### Protective Packaging



### Standard Packaging

Each door is carefully packaged to ensure it arrives at your location damage free. First we wrap the structural bottom bar angle with fluted cardboard to eliminate possible scratches. Next we place foam blocks inside the assembly to protect the paint during shipment. Then we wrap the entire assembly in foam wrap and stretch plastic to keep the door clean from Mother Nature's elements. Last we place a wood block on each end to suspend the door in mid-air. Each door travels without ever touching the doors above or below it on the pallet, for factory fresh arrival at your site.

## OPTIONAL FEATURES



### Model 501 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 on the interior side of the curtain. The insulation protects contents from temperature extremes while neatly rolling up inside the door during each and every operation cycle. This option comes standard with vinyl jamb seal and header draft seal.



### Model 502 Adjustable EZ-Tension Device

The Model 502 doors become the simplest doors to maintain, providing a long and useful working life with a Ratcheting Tension Adjuster. Our design allows one person to properly tension a door safely and efficiently. Adjuster is made from High Strength Cast Steel for superior strength, toughness and longevity, and elimination of sharp edges.



### Optional LTL Box:

Our LTL Freight Packaging carefully suspends each door in its own rectangular box, packaging the hardware complete in a single box. The door is protected from other freight being placed on or around it. Factory fresh at your site.

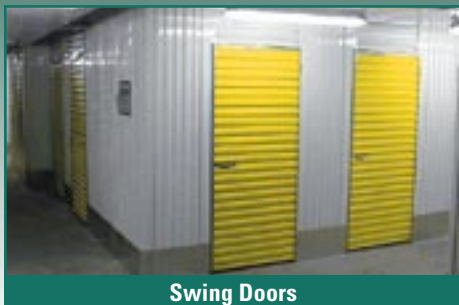


### Chateau Lock Latch

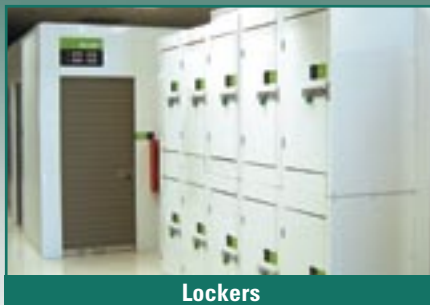


### Model 501 EZ-Tension Device

## SELF-STORAGE SPACE OPTIONS



Swing Doors



Lockers

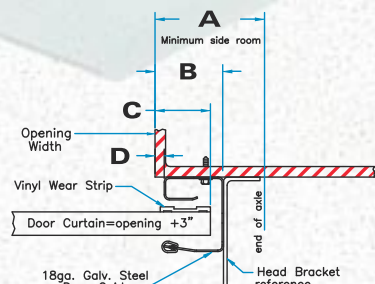


Relocatable Units

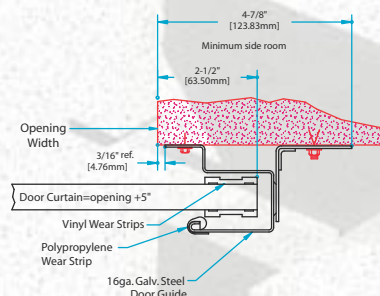
## INSTALLATION REQUIREMENTS

	Model 501 & Model 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 (2438.4mm)	4.5" (114.30mm)	16" (406.40mm)	4.5" (114.30mm)	16" (406.40mm)	4.5" (114.30mm)	16" (406.40mm)	5.25" (133.35mm)	16" (406.40mm)
Up to 10'-0" High (3048.0mm)	4.5" (114.30mm)	17" (431.80mm)	4.5" (114.30mm)	17" (431.80mm)	4.5" (114.30mm)	17" (431.80mm)	5.25" (133.35mm)	17.5" (444.50mm)

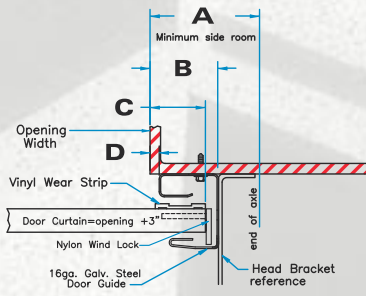
## GUIDE SPECIFICATIONS



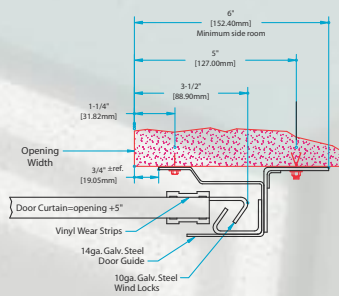
Model 501/502 Standard Application (Steel Jamb shown)



Model 501-23/502-23 Wind Load Application (Masonry Jamb shown)



Model 501-30/502-30 Wind Load Application (Steel Jamb shown)



Model 566-54 Wind Load Application (Masonry Jamb shown)



## U.S. DOOR IS DEDICATED TO CUSTOMER SERVICE.

At U.S. Door, our self-storage experience extends well beyond our superior doors. We offer planning and design services as well as a complete line of products exclusively for the self-storage industry. Check out our mezzanine systems, portable storage units, hallway systems and more. We can show you how to maximize your profits from every available square foot. Let us show you the difference that two decades of experience can make.



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