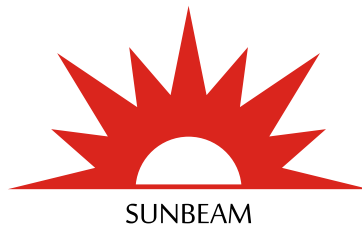
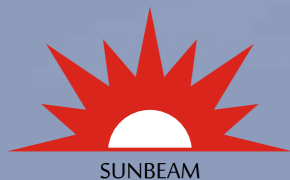


DRAFT



Wind-Resist Speedy Roller Shutters





SUNBEAM

High-security, Smart, Rugged, Wind Resistant Gating Systems

SUNBEAM is a brand name of Golden Mountain Machinery Co., Ltd., which is one of the early pioneers and modern-day innovators of Gating Systems for home and office facilities. Established in 1973, SUNBEAM's award-winning products include **Roller Shutter Motors, Roller Shutters, Smart Strong-Wind Resistant Roller Shutters, Speedy Roller Shutters, Fence Sliding Gate Operators, and Smart Collapsible Gates**, all of which are developed and produced in our **ISO9001 certified, 8,983 square-meter office and factory facilities**, operating out of **Central Taiwan**.

SUNBEAM's staying-power is firmly entrenched in a culture of attention-to-detail and reinvention, introducing new services, materials and technology to help focus on raising the standards on **smart, rugged, long-lasting gating solutions**. SUNBEAM technologies has secured countless patents across Taiwan, Europe, America, Malaysia and Japan, and has garnered generous subsidies from the SBIR (Small Business Innovation Research) for the advancement of new technologies for the Gating Industry.

Local/International Patents



Each of our product lines are the culmination of many years of professional experience and technology evolution that are backed up by a long list of patent certificates and decorations, both locally and internationally - it is a testament to our dedication and commitment to bring new directions and ideas to the Gating Industry.



Golden Mountain Established by President HUNG, CHIN-SHAN

Moved to first factory and office complex

ISO 9001

Launched new second factory

Strong-Wind Resistant Roller Shutter technology 20-year patent (MOEA subsidized)

Launched Speedy Roller Shutter Factory

1973

1991

2001

2007

2016

1987

Far Eastern Asia Invention Fair Award Winner

1992

Upgraded factory to accommodate expanding business

2005

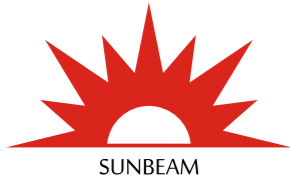
Launched Smart Fence Sliding Gate Operators (MOEA patent and subsidies)

2014

Launched Speedy Roller Shutters

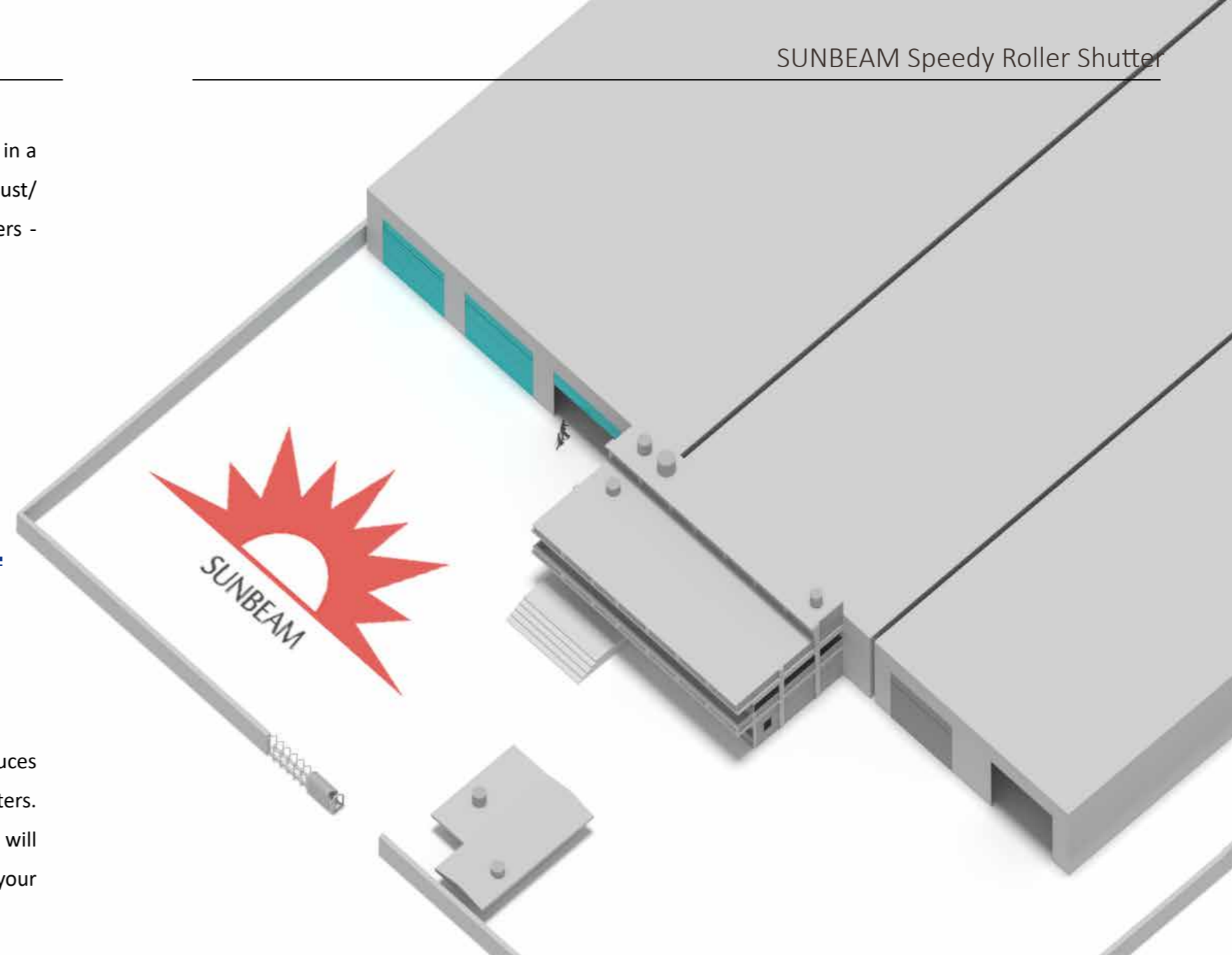
Traditional Roller Shutters - Wait, wait, wait

There's nothing more frustrating than waiting for a roller shutter to open and close when you're in a hurry. Traditional roller shutters can be excruciatingly slow and over time can become noisy as dust/dirt accumulate, and rust/deterioration sets in. But there is an advantage to traditional shutters - because of their slow roll, they are inherently safe.



Speedy Roller Shutter

Fast, Safe, Durable and No More Waiting – SUNBEAM proudly introduces the Speedy Roller Shutter, an alternative solution to slower, noise-prone traditional roller shutters. Significantly faster, yet equipped with safety and durability features, the Speedy Roller Shutter will make a comfortable difference in your daily routines. There's no more waiting when you pull into your driveway and rest assured, your property and family are all in good hands.



Fast and Safe

A significant speedy difference from traditional roller shutters, up to 2.25 times faster. A bottom touch safety slat stops the shutter upon contact.



Quieter

Guide Rail structure, roller wheels and brushes are engineered for smooth operation and optimal noise reduction.



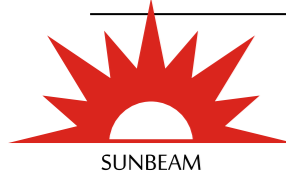
More Convenient

Complete land line, remote control and optional 4G Cell Phone System are available.



Sturdy and durable

Aluminum alloy slats and high-wind resistant measures ensure long-life and protection from the elements.



Attention to Detail



A
The shutter cylinder wheel has a centerpiece stainless-steel needle bearing design.



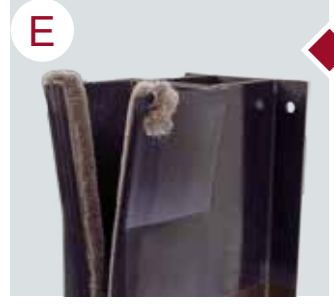
B
Easy access to Shutter Motor for maintenance/repairs



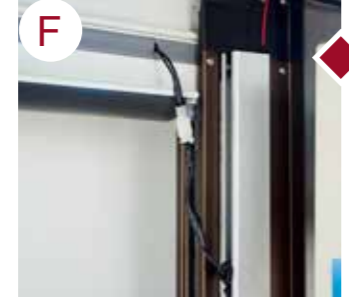
C
4G Cell Phone System can control the door from remote, locations (optional)



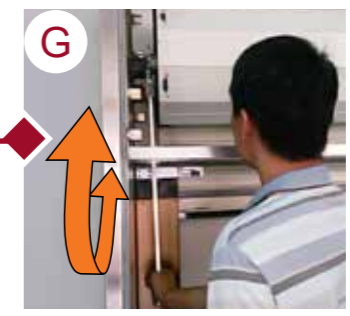
D
Neutral clutch release or remote control allows manual open during power outages



E
Guide Rail brushes keep out dust, reduce noise



F
Line detachment backup mechanism prevents shutter over-roll into shutter housing



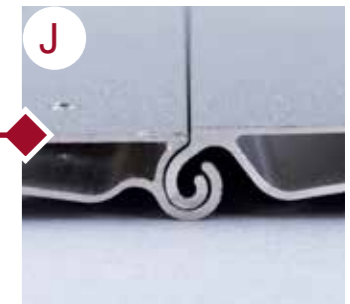
G
Easily accessible maintenance for tightening shutter spring



H
Press-lever mechanism prevents shutter over-roll into shutter housing



I
Optional double wall slats



J
Special slat-to-slat interface design promotes smooth roll and long lasting performance



K
Bottom slat has several safety touch sensors that halts the shutter on contact



L
Stainless Steel Slat wheels help to lock the slat within the guide rails during heavy winds

A
The shutter cylinder wheel has center stainless-steel needle bearings to drastically reduce friction around the axle and ensure a smooth roll for many years to come. This is a unique SUNBEAM feature in our industry.

B
Our Roller Shutter Motor location is strategically accessible for easy install and maintenance through a front loading door. Otherwise, traditional systems may require 2 or more people to remove and reinstall a motor due to awkward positioning of the motor.

C
Optional 4G Cell Phone System allows you to use your cell phone to control the door from anywhere with phone access. This allows to open your door for family and friends even if you are far from your door location.

D
A neutral clutch release on the control box can easily be pulled up so you may open the shutter manually during power outages and emergencies. Your remote controls can also release the clutch by a simple press of a button. A 12V battery inside the control box allows this during power outages (SUNBEAM patent). If detachment line, bottom slat or IR fails, you can still force door (open/close) by pressing Control Box button for 5 seconds.

E
Guide Rail lips are equipped with brushes to enhance quieter operations. It also prevents dust and other debris from entering the guide rail housing, which can build up to inhibit smooth shutter roll and produce noise.

F
SUNBEAM also uses a secondary backup measure, a detachment line, to prevent over-roll into the shutter housing.

G
All roller shutters occasionally need maintenance to tighten the spring within the roller, which loosens over time. SUNBEAM Roller Shutters provide a tool that easily reaches into the shutter housing to safely tighten the spring without any disassembly.

H
Slats over-rolling into the shutter housing (due to limit-switch malfunction) is one of the most damaging and costly situations in fast speed roller shutters. SUNBEAM remedies this with a press-lever that auto-stops the shutter roll when activated by the bottom slat.

I
Optional Double Wall Slats provide additional strength during strong gusts, high winds and storms.

J
The SUNBEAM slat-to-slat interface is especially engineered and designed for smooth, long term, durable performance compared with traditional shutter designs, which over time are prone to chipping, breaking and dislodging. Some other roller shutters are made from a single flexible metal sheet which are known to be susceptible to metal fatigue and easy breakage.

K
The soft bottom slat keeps dust from entering through the bottom. It also has a touch safety sensor that causes the shutter to stop on contact and then retreat for 3 seconds.

L
Slat wheels provide 2 important functions. First is a smoother roller slide. Second, the wheels on each end of a slat are secured in place against the lips of the guide rails, preventing slats from dislodging during high winds. These wheels are made of sturdy stainless steel #304.

Selection

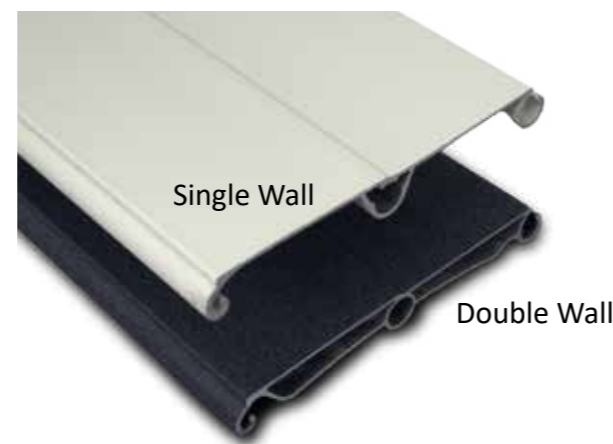
How to order your Speedy Roller Shutter



A Choose a Color from one of the slat samples on the left. Different colored slats on your shutter door can be varied according to your preference. (note the color on this print can not be guaranteed 100% precise)



B Choose Single Wall or Double Wall Slat. Double walled slats offer added protection against strong winds. Note that double wall slats cannot have air circulation holes (described later).

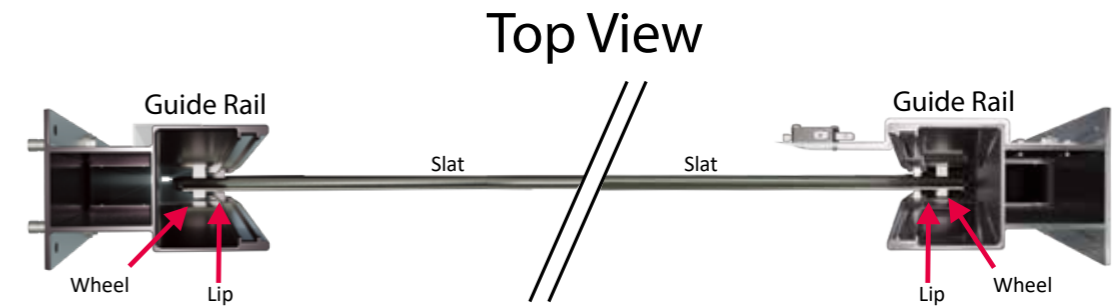


C Choose type of guide rail - There are two kinds of guide rails. The standard guide rail is made completely from an Aluminum Alloy, type 6063-T5.

The second type of guide rail will have a stainless steel plating, providing more rust proofing and protection from the elements.



D Choose 1/2 door or 1/3 door wheel-slats - Slat wheels play an important role in high wind areas. These wheels are secured at both ends by the lips of the guide rails, preventing the slats from dislodging from guide rails during high winds.

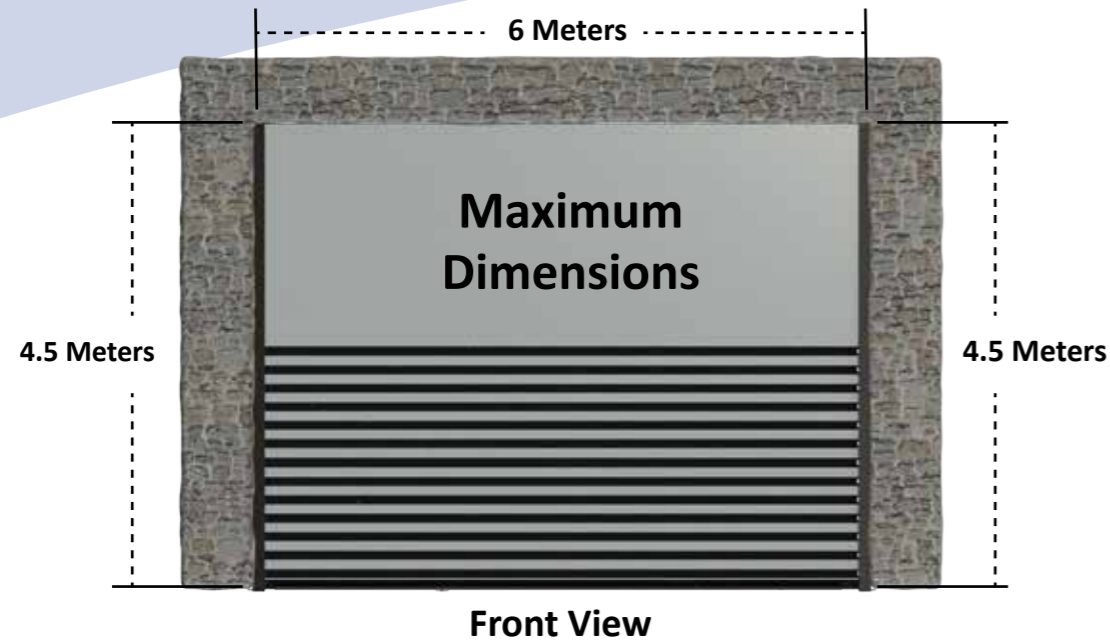


The slats with wheels are alternately placed with non-wheel slats and will cover the lower part of the door. Slat wheels can cover either 1/2 the total shutter door or 1/3 the total shutter door. Covering 1/2 the shutter door will provide more strength in high winds.

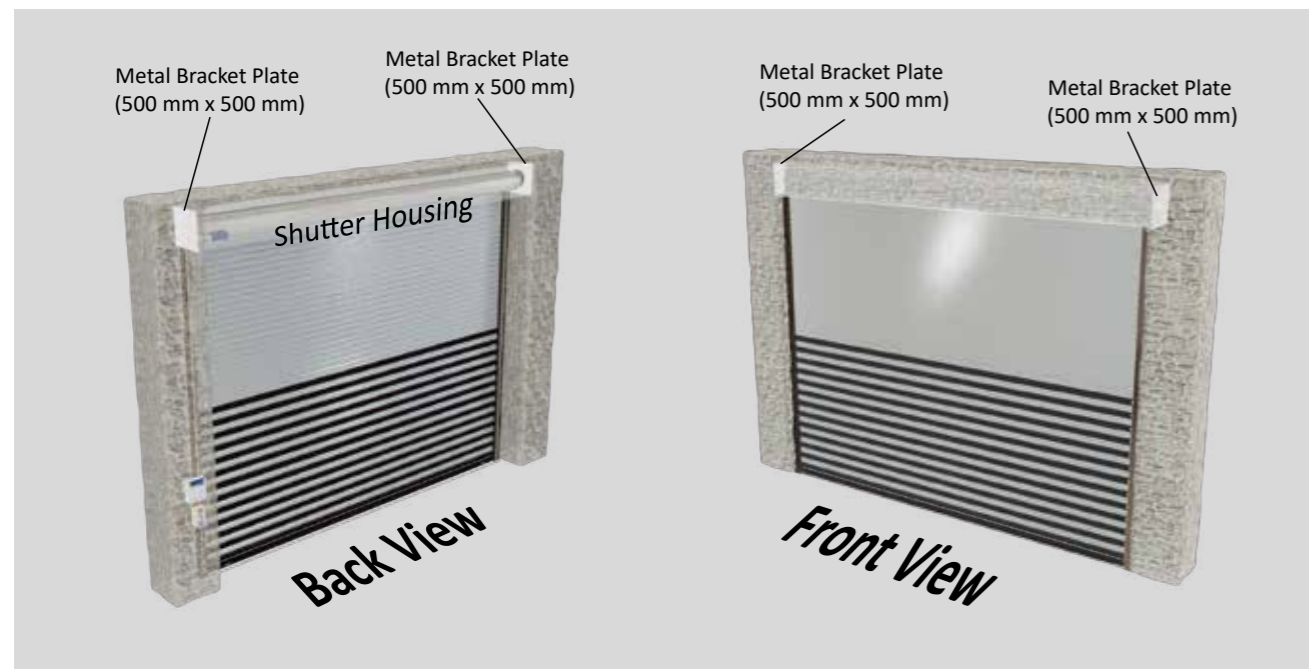
Alternating wheel-slat and non-wheel-slat



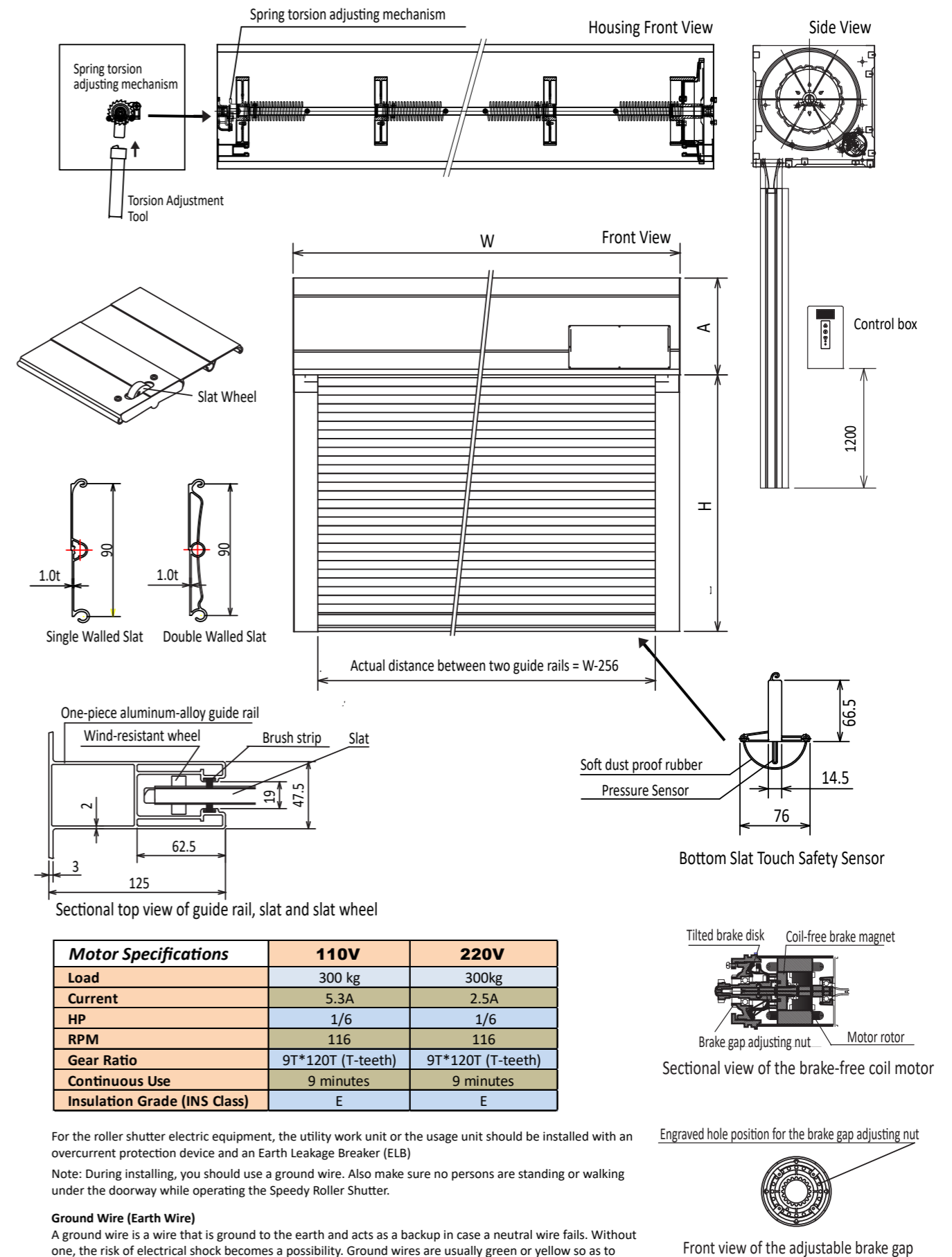
E Determine your entry way size - Note that the maximum size for a Speedy Roller Shutter (actual entry size) is 6 meters (width) by 4.5 meters (height).



The area for the Shutter Housing also needs to be considered. The 2 metal bracket plates are 500 mm by 500 mm square and placed on each side to suspend the roller shutter. Also, the Shutter Housing may need side covers, but this needs to be customized depending on the installation situation.



Speedy Roller Shutter Schematics



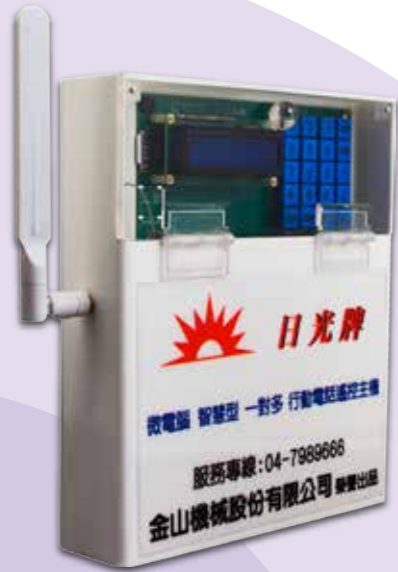
For the roller shutter electric equipment, the utility work unit or the usage unit should be installed with an overcurrent protection device and an Earth Leakage Breaker (ELB)

Note: During installing, you should use a ground wire. Also make sure no persons are standing or walking under the doorway while operating the Speedy Roller Shutter.

Ground Wire (Earth Wire)

A ground wire is a wire that is ground to the earth and acts as a backup in case a neutral wire fails. Without one, the risk of electrical shock becomes a possibility. Ground wires are usually green or yellow so as to differentiate it between neutral wires and hot wires.

Accessories/Options



4G Cell Phone System

▶ The 4G Cell Phone System is an optional feature, which allows you to use your cell phone to control the door from anywhere with phone access.



Warning Light/Alarm

▶ This is an optional security feature. A Warning Light will illuminate and an Alarm will sound off when there is an attempted forced entry - this only occurs when the roller shutter is in the closed (shut) position.

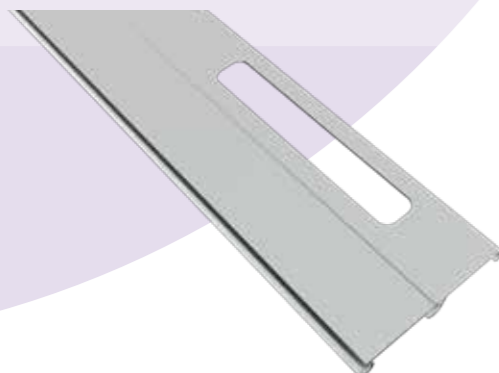


IR Trip sensor

▶ The Infrared Trip Sensor is an optional safety feature used to alert the Speedy Roller Shutter that someone or something is passing underneath it as it is closing. The shutter will immediately stop and retreat to a full open position.

Slat Holes

▶ Single wall slats can have holes for air circulation. The holes are usually placed higher on the door for privacy. Double wall slats CANNOT have holes because water and dust will accumulate within the cavities of the double walls.



Other reliable, long-lasting SUNBEAM Products

Touch stop safety slat



Intelligent, Durable Wind-Resist Roller Shutters

- Touch-stop bottom safety slat
- Wheels keep slats in guide rails in strong winds
- Fire sensor (auto door open or close)
- Metal wheels between slats and guide rails
- Circuit board smart applications
- Low noise

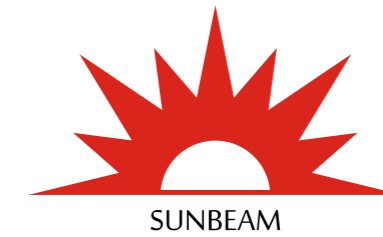
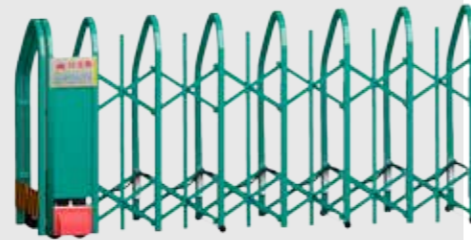
Safe

Collapsible Gates

- Touch-stop safety device
- Stop-lock enforced security
- Stainless-steel construction
- Slip-less rail wheels
- Stainless steel needle roller bearings (in wheels)

Rugged

- Partial openings
- Telephone remote control
- Auto-close (optional)
- LED fault indicators
- Strong-wind rail hook wheels

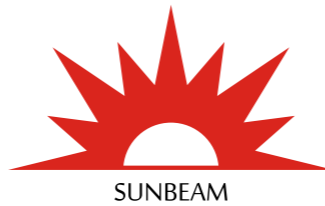


Roller Shutter Motors

Electro-Magnetic Brake System

- No need for Brake Coil or Commutator

Durable



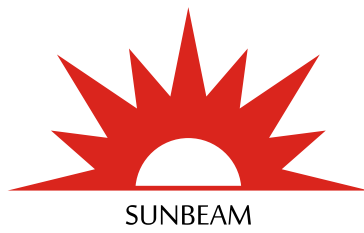
Smart Sliding Gate Operators

Smart



- Resistance safety design
- Cell phone remote control
- Partial-open setting
- Auto-close
- Auto-stop timer if malfunction causes gate to move past end-points
- Circuit board intelligence
- Gear release (for manual operations during power outages)





Website