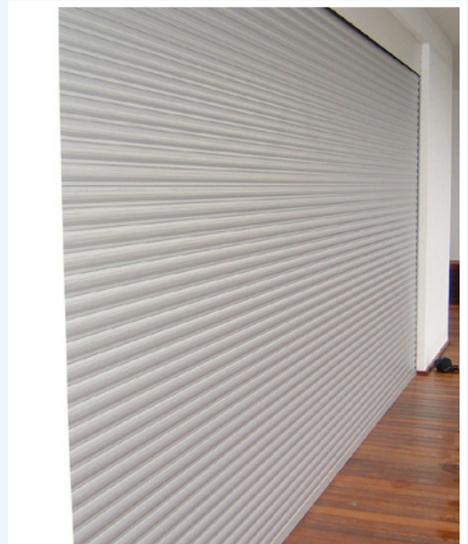




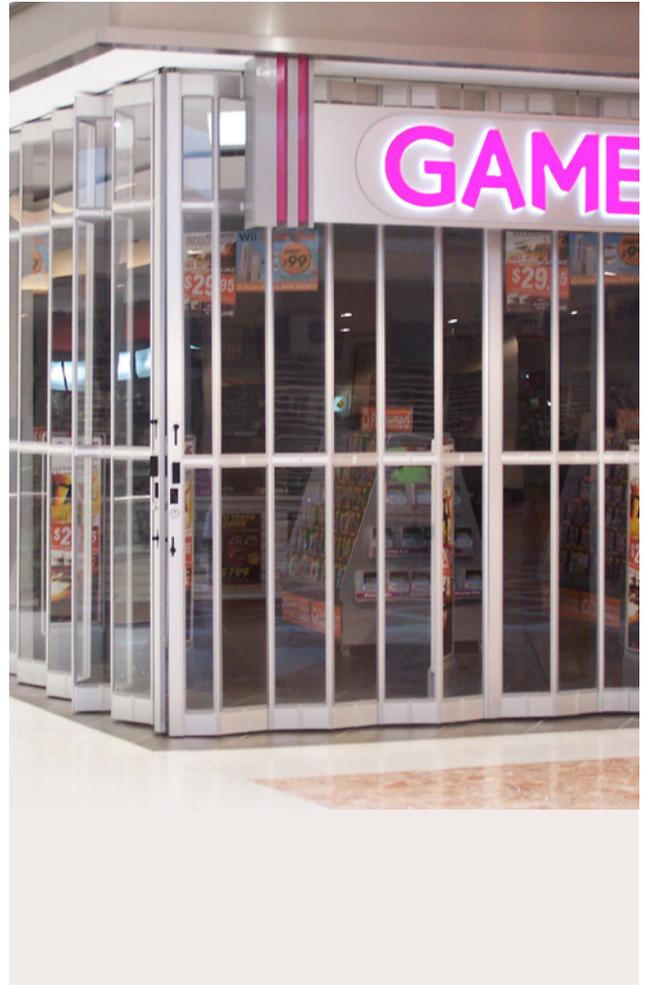
BARRIER SECURITY DOOR AND SHUTTER SYSTEMS: A PRODUCT SELECTION GUIDE



Whether for commercial or residential projects, barrier security and shutter systems are an important measure to consider for a building or a space's ongoing occupation. More so than electronic security systems, which do little in the way of visible deterrence or crime prevention, physical security systems such as roller shutters, trellis doors, security plantation shutters or bi-fold doors are incredibly valuable in providing maximum security.

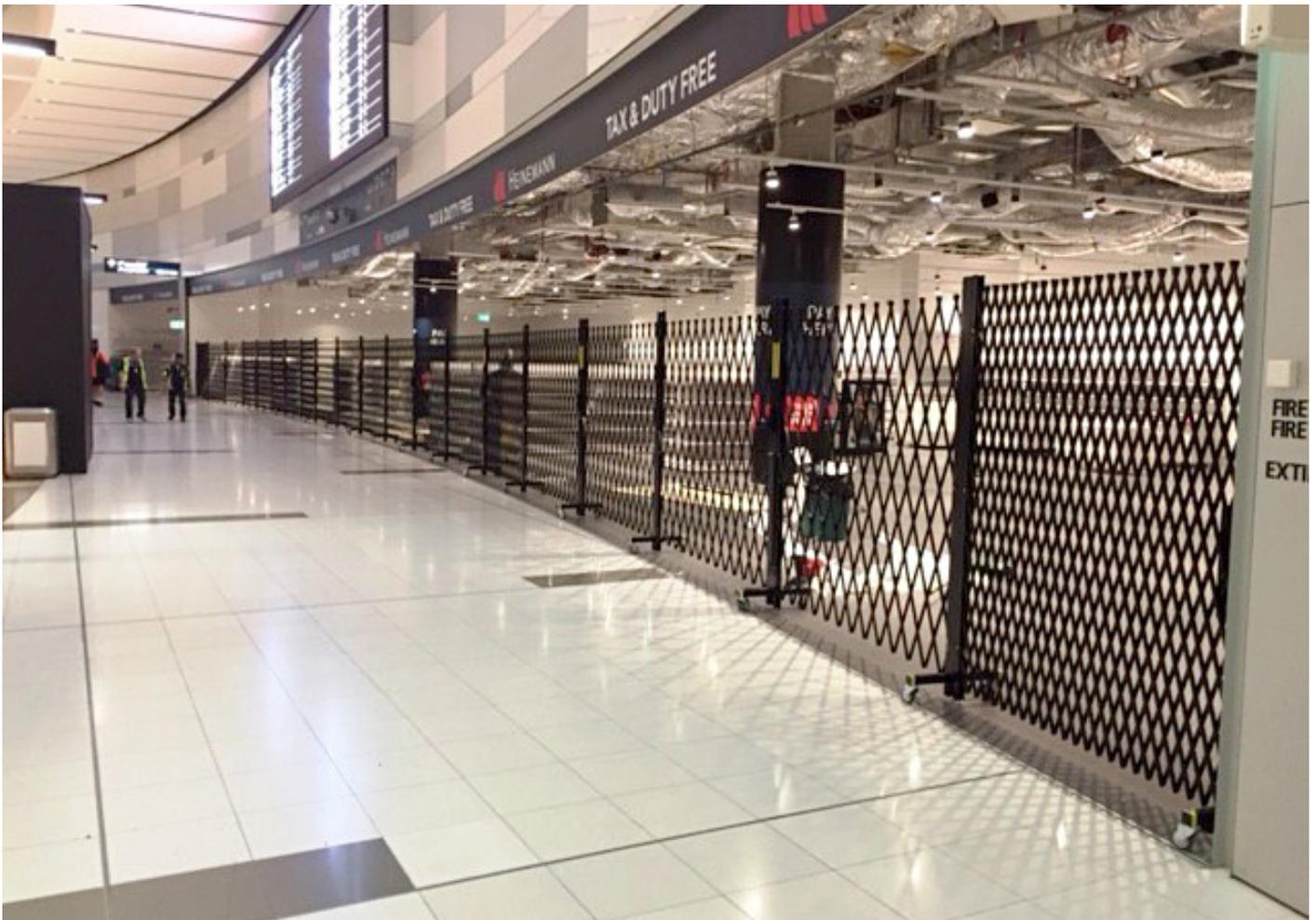
Key considerations to take into account when looking to specify security systems include unobtrusiveness, strength, operability, longevity, aesthetic design, mobility and privacy. However, there is no one-size-fits-all answer to security. Aesthetics, mobility and privacy in particular are all key considerations that have no absolutely correct answer, instead relying on the needs of the project or client in order to determine the best choice.

There are five primary choices in regards to barrier and shutter systems, although each has an additional number of options within the particular category, each are optimised and custom-made for use in different environments. The five primary choices include top hung trellis doors, trackless trellis doors, folding closure bi-fold doors, roller shutters and security plantation shutters.



FOLDING CLOSURE BI-FOLD DOORS

- Suited for any commercial application, including retail street fronts, counter tops, shopping centres, offices, hospitals, schools, universities, showrooms, hotels, banks, warehouses, government and public buildings.
- Folding Closure Bi-Fold Doors (FC1™) are framed with continuous extruded aluminium hinged panels. Infill panels can be polycarbonate, or perforated aluminium for a different aesthetic and natural ventilation.
- Slim (150mm) and Wide (300mm) panels are available for construction, closing to an approximate 17 per cent and 13 per cent of total opening width respectively.
- The closures can traverse a 90-degree turn through a radius of 600mm (for the 300mm panel door) or 407mm (for the 150mm panel door). S-bend turns are readily achievable.
- Maximum height for the folding closure is 4500mm.
- The closures are suspended from an extruded aluminium top track with heavy-duty, industrial-grade bearings and wheel carriages. The top track can be exposed or recessed.
- Low-friction continuous hinges between consecutive panels ensure fewer moving parts, easy operation, longevity, functional integrity and zero maintenance.
- The 300mm wide door weighs approximately 12 kg/m² while the 150mm panel door weighs approximately 16kg/m².
- Seamless up/down locking mechanisms (or down-locking only) are available. A parrot beak lock is also available in the centre.
- A 12-month warranty is applicable on all parts.



TRACKLESS TRELLIS DOORS

- Suited for any open space where a top-hung system isn't feasible: in commercial settings such as shopping malls, pop-up shops, temporary tenancies, public buildings such as airports and railway stations, factory units, car parks, loading docks, function centres, or simply for access control or crowd control and partitioning.
- Different versions available include the standard **S04-1™**, the **S04-1 ALU™** and the **S04-1 DD™**. Each can be implemented as either a straight-line, square, rectangular, curved or circular configuration.
- The **S04-1™** and **S04-1 DD™** are each made of treated, epoxy powder-coated and galvanised steel, while the **S04-1 ALU™** is made completely from anodised aluminium with stainless steel rivets, making it suitable for marine and all-weather environments.
- The **S04-1 DD™**, or Double Diamond, features a higher density of metal cross-linkages, preventing people from putting their hands through to reach goods and merchandise secured behind the barrier.
- All models can be manufactured to a standard height of 2020mm or up to 2520mm, and can span any width. Other lower height options are available upon request. A shade cloth barrier can be attached for extra privacy.
- All models are completely trackless and portable for easy storage and deployment, with non-marking thermoplastic tread castors so that they can be installed anywhere. The fencing can also rotate up to 270 degrees, providing easy access through the barrier if need be.
- Two standard colours of black satin or pearl white available, with individual colours available through customisation.
- Shootbolt locking to the floor is optional at the base of each trolley, and an additional, removable lockable bollard is available for extra security. Where possible, trolleys can be locked to a wall bracket, utilising a security slam-lock with high-grade double hooks and locating pins. Floor mounted locking plates are a further option.
- 12-month warranty on any standard **S04-1™** maintained in accordance with the Australian Trellis Door Company™ guidelines.
- An independently audited WHS Risk Assessment, in addition to an operating manual for the safe operation of the barriers is available from ATDC™.



TOP HUNG TRELLIS DOORS

- Suited for any commercial or residential setting, including retail street fronts, shopping centres, offices, hospitals, schools, universities, showrooms, hotels, banks, warehouses, government and public buildings, over counter tops, domestic door entries for front doors, patio doors or sliding glass doors.
- Can be installed either in a straight-line (S06™) or curved (S08™) configuration, custom-made for each project based on the demands of the space
- Both models have a fixed top track, while the optional bottom track can be fixed, removable or hinged.
- Both models shrink to approximately 15% of their closed size and can be made to any length. The S06™ and S08™ models have a maximum height of 4500 mm.
- The curved S08™ trellis door can accommodate a 90-degree curve over a 600mm radius and can also traverse S-bend turns where required.
- Made of 95% solid steel with solid brass rivets. Treated, epoxy powder-coated and galvanised against corrosion.
- Two standard colours of black satin or pearl white available, with individual colours available through customisation.
- Featuring Auto-lock technology, or designed as a BCA-compliant keyless locking system for emergency egress. A 12mm pin, double hooks and three locking points are provided for extra strength, with an up/down key turn shoot-bolt locking option available for seamless effect.
- Solid brass rivets are fixed in place and do not pivot when the door expands and contracts, maximising strength and longevity.
- 5 year warranty against defective materials and workmanship applies.

ROLLING SHUTTERS

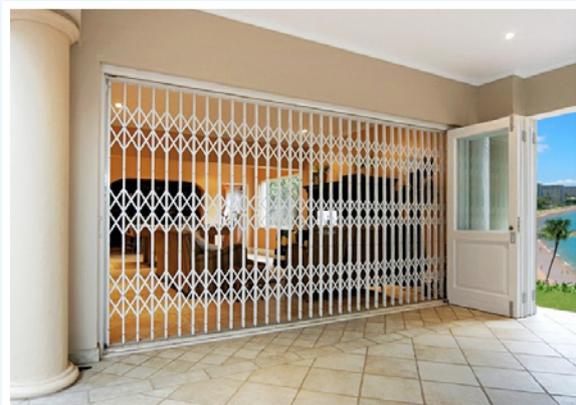
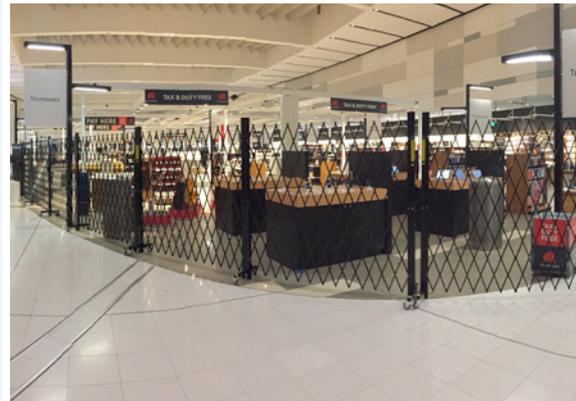
- Suited for any commercial or residential setting where there is no restriction on the amount of headroom available, or where use is common throughout the day: factory warehouses, car parks, retail tenancies to street fronts or shopping centres, offices, hospitals, schools, universities, showrooms, hotels, banks, warehouses, government and public buildings, or single family or multi-res homes.
- Available as standard wide span shutters (RS5™ and RS6™) or high-density wide span shutters (RS5™ High Density and RS6™ High Density), as well as the transparent RS7™ Clearvision and the unobtrusive RS9™ Security Roller Grille.
- Roller shutters can be manufactured up to a maximum of 6 metres wide (depending on the height requirement).
- The RS7™ Clearvision allows for visibility whilst still providing security and protection from weather, dust and vermin. Perforations in the polycarbonate infill panels can be specified for natural ventilation purposes.
- The RS9™ Security Roller Grille with its toughened aluminium tube construction provides security, maximum ventilation and visibility through each side.
- Both the RS7™ and RS9™ have the option to roll up into a slimline pelmet box, hiding the roll from sight. Open roll applications are available when concealed above ceilings.
- All models of rolling shutters are made primarily of high quality aluminium.
- All models of rolling shutters can be controlled either manually or electronically – the electric operation includes the use of key switches, remote controls or wall-mounted switches.
- Standard finishes include clear anodised aluminium with a range of powder-coated options available.
- All ATDC™ shutters have a 12-month warranty against defective materials and workmanship.

SECURITY PLANTATION SHUTTERS

- ATDC's Security365™ plantation shutters are both a top-level security product as well as a durable high-level lifestyle product all in one. A world-class product combining strength, elegance and excellent corrosion resistance
- Suited for any residential or commercial applications, including: french doors, patio doors, sliding glass bi fold doors, casement and awning windows and skylights; for securing retail shopfronts, commercial office suites, office buildings, hotel patio doors, showroom windows, display windows, restaurants, bars, schools, universities, and many more. Security is provided by reinforced extruded aluminium sections, a full frame and 2 or 3-way locking mechanism.
- Available in fixed, hinged, sliding and bi-fold systems, Security365™ plantation shutters can be used as hinged security doors, sliding security doors, fixed window security shutters, sliding window security shutters, a patio enclosure and privacy screen, or bi-folding doors and windows.
- Security365™ plantation shutters are powder-coated, providing longevity and durability and are particularly suited to high corrosive marine environments. These shutters will not warp, crack, fade or tarnish even if installed on the exterior of your premises.
- A detachable flyscreen offering is an extra option to keep out insects
- All Security365™ plantation shutters contain an integrated key operated double-pin lock, while shutter doors are provided with triple-pin locking.
- A 12-month warranty is available for locks, moving mechanisms, louvre slats, frames and installation.

To find out more, visit The Australian Trellis Door™
www.trellisdoors.com.au or call their toll free number
1800 657 435





THE AUSTRALIAN TRELLIS DOOR COMPANY™

The Australian Trellis Door Company™ has been operating for over thirty years, having in that time developed what is arguably the world's most extensive range of barrier security door products, roller shutters, folding closures and security plantation shutters. ATDC™ is Australian owned and operated, and all of their products are manufactured and assembled in Australia – ensuring the highest quality for all residential, commercial and industrial security needs.

ATDC™ has national representation and is able to cover your security requirements throughout Australia with suitably qualified project managers who can manage your requirements through all stages of the construction process.

ATDC™ is committed to supply quality security and shutter products at competitive prices, whilst providing innovative ideas and solutions and uncompromising service.

To find out more, visit The Australian Trellis Door™ website or call their toll free number below.

**www.trellisdoors.com.au
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