

Product Guide

Innovative Solutions
for your commercial
or industrial door.



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| Over 70 powdercoat options available.



A3000 Foldaway Counterweight Balanced Door



A4000 Foldaway Counterweight Balanced Door



Design

Arco Architectural Systems have an experienced team with technical and design knowledge involved with your project. We assist with product selection and specification in order to deliver door solutions that are fit for purpose and look great too.



Manufacture

Arco Architectural Systems operate two manufacturing facilities, Brisbane and Perth. Both factories have skilled technicians, modern advanced machinery. We have the systems in place to provide quality while adhering to delivery commitments.



Installation

Arco Architectural Systems are fortunate to have a team of installers covering right across the country that take pride in their work and have the skills to adapt to changed circumstances and find solutions to make things happen.

Arco Architectural Systems is an innovative company. Our staff have many years experience in Industrial and Commercial door systems.

We pride ourselves in our passion for providing safe, durable and stylish building materials for every Australian. We deliver our customers a world class experience, maintain market leadership in safety, quality, service, delivery and price through continuous improvement and innovation.

Along with our experienced in-house engineers, sales and management team our mission is to be the best in the industry.

We have a great product line for all types of situations be it shop front, factories, warehouses or large aircraft hangers you can rely on Arco to do the job for you.

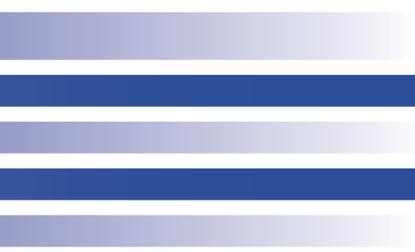
Our commitment is to our customers. We can design, manufacture and install in any location throughout Australia.



A2000 Hingeway Counterweight Balanced Door



Arcade 3 Aluminium Roller Shutter



Commercial Doors

Slimline Aluminium Roller Shutter

Slimline Aluminium Roller Shutter was purposely designed to meet the requirements for the retail, hospitality, tourism, education and club markets to offer exceptional protection and strong functional security.

It is easy to operate and requires minimal maintenance. The Slimline Aluminium Roller Shutter is a manufactured 43mm x 1.4mm aluminium extruded slat designed to suit openings up to 3.0 metres high and up to 3.0 metres wide for manual operation.

The most common use for the shutter is in fire hose reel cupboards, counter tops, bar tops and doorways.



Aluminium Roller Shutter



Low Maintenance



Security

Slimline Aluminium Roller Shutter



Slimline Aluminium Roller Shutter

Mikado Multi Folding Door

Mikado Folding Doors are designed as a user friendly door with ventilation, easy opening and closing access requirements to meet specific specifications. A choice of various panel infills is available to provide a pleasing visual appearance. The door travels on rollers suspended from an overhead track.

Mikado are available in single and bi-parting openings in either a 300mm or 150mm leaf size. For increased flexibility a curved track allows the multiple hinge panels to move around the curve.

The Mikado comes standard with a Lock Focus locking system that delivers improved operating function and serviceability. Tested over 15,000 cycles, the locking system is easy to use, stronger, simple and functional.





Arcade 2 Aluminium Roller Shutter

Arcade 2 Aluminium Roller Shutter

Arcade 2 is easy to operate and requires minimal maintenance. It can be manually operated or motorised depending on the purpose or function.

Arcade 2 Aluminium Roller Shutter was purposely designed to meet the requirements for the retail, hospitality, tourism, education and club markets.

Arcade 2 features a large range of options. The Arcade 2 features an extended aluminium slat with a bevelled external face for aesthetic appeal. This is available in part or full slotted with or without dust proof infills that assist in airflow and visibility.



Arcade 2 Aluminium Roller Shutter

Arcade 3 Aluminium Roller Shutter

Ultra strong, the Arcade 3 is a manufactured 118mm aluminium roller shutter, which provides greater options especially in retail shop front sector.

Designed to suit openings up to 4 metres high and up to 10.0 metres wide in a single span, the Arcade 3 is the product of choice for areas where high security is required.

The Arcade 3 is suitable for but not limited to retail, commercial premises, hospitality, public building and facilities, industrial, medical, entertainment, social and sports sectors.



Arcade 3 Aluminium Roller Shutter



Arcade 3 Aluminium Roller Shutter



Aluminium
Roller Shutter



High
Security



Design
Options

Clear Roller Shutter

The Clear Roller Shutter is a popular design for the retail industry, offering excellent security combined with the ultimate in style and strength. Allow the after hour display to further add dimension to the product range and take advantage of the increased marketing opportunity.

The curtain is constructed of clear polycarbonate extrusions having depth of 100mm and a thickness of 1.6mm, interlocking with symmetrical aluminium extruded members of 30mm to form a continuous hinge.

The Clear Roller Shutter is designed to enable the public a vision of the merchandise whilst providing security and vermin protection.



Clear Roller Shutter



Clear Roller Shutter



Arco Fold & Arco Stack

The Arco Fold bi-folding door is the perfect solution for the retail industry, offering excellent security combined with ease of operation and modern architectural style. With the Arco Fold you enhance your after hours marketing opportunity by allowing clear vision to your product displays.

Arco Fold can be configured left hand, right hand or bi-parting. Single access doors can be included in design along with a choice of locking options.

The Arco Fold and Arco Stack is recommended for the retail, commercial, hospitality, medical, social and sports industries.



Bi-folding Door



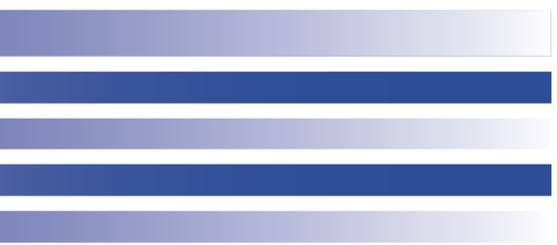
Modern Style



Access Door Option



A2000 Hingeway Counterweight Balanced Door



Industrial Doors

Casino & Stadium Aluminium Roller Grille

The Casino all aluminium Roller Grille offers an attractive solution for many applications that require a secure barrier against theft and debris and where visual access, airflow and light infiltration are a key design consideration.

The Stadium Roller Grille 19mm provides increased flexibility in high level security for external (shutter) and internal (shop front doors) applications and is the product of choice for areas where high air flow and vision is required.

Stadium Roller Grille is designed to suit openings up to 4.5m high and up to 8.0 metres wide in a single span.

The Stadium Roller Grille can be provided in aluminium or steel for added security.



19mm Stadium Roller Grille



19mm Stadium Roller Grille



Independently Tested



Q100 Steel Roller Shutter

Q100 & Q75 Steel Roller Shutter

The heavy-duty steel slat is designed to withstand the wear and tear of industrial and commercial applications with minimal maintenance. The roll-formed slat can be replaced individually if damage occurs.

The ARCO (Qld) steel roller shutter has a purposely-built guide channel that has nylon rubber wear strip to minimize the noise during operation. Each slat is fitted with nylon end clips to prevent lateral movements and ensure smooth operation for the life of the door.

For cyclonic conditions, high strength wind locks and guides are designed to prevent the curtain from blowing out of the guide rail.

The ARCO (Qld) Steel Roller Shutters are designed and manufactured in accordance with requirement of AS 4055-2012 and AS/NZS 1170.2-2011.



Q100 Steel Roller Shutter

Wind Classification Chart

Slat Thickness:		Wind Classification						
		Non-Cyclonic Region			Cyclonic Region			
		N1	N2	N3	C1	C2	C3	C4
Door Width	3000	NW	NW	NW	#4	#4	#2	#2
	3500	NW	NW	NW	#4	#4	#2	#1H
	4000	NW	NW	NW	#4	#4	#2	#1H
	4500	NW	NW	#4	#4	#2	#2	#1H
	5000	NW	#4	#4	#4	#2	#2	#1H
	5500	#4	#4	#4	#4	#2	#1H	#1H
	6000	#4	#4	#4	#4	#2	#1H	#1H
	6500	#4	#4	#4	#2	#2	#1H	#1H
	7000	#4	#4	#4	#2	#2	#1H	#1H
	7500	#4	#4	#4	#2	#2	#1H	#1H
	8000	#4	#4	#2	#2	#2H	#1H	
	8500	#4	#4	#2	#2	#1H	#1H	
	9000	#4	#4	#2	#2	#1H	#1H	
	9500	#4	#4	#2	#2	#1H	#1H	
	10000	#4	#4	#2	#2H	#1H	#1H	
	10500	#4	#2	#2	#2H	#1H		
	11000	#4	#2	#2	#2H	#1H		
	11500	#4	#2	#2	#1H	#1H		
12000	#4	#2	#2H	#1H	#1H			
12500	#4	#2	#2H	#1H	#1H			
13000	#2	#2	#2H	#1H	#1H			
13500	#2	#2	#2H	#1H				
14000	#2	#2H	#1H	#1H				

For doors wider than 14000mm, please consult with your ARCO consultant.
 NW - Non Windlock, #4 - Windlock every 4th slat, #2 - Windlock every 2nd slat (#2H for heavy duty WL guide), #1 - Windlock every slat (#1H for heavy duty WL guide)



A1500 Counterweight Balanced Door

The A1500 Fully Recessed Counterweight Balanced Door is custom made and designed for openings as little as 1 metre to as much as 25 metres in width with no external projection (does not protrude past the external face of building) and where the door is to provide full opening height. The main benefits of the A1500 is that it achieves the lowest maintenance with the highest operation cycles, able to be designed in a variety of cladding and glazing types.

In the case of highly corrosive environments such as sea side locations or adjacent to swimming pools, these situations can be addressed to varying degrees through the use of Duragal galvanized steel tubing.

With Arco's custom made operating mechanism over 100,000 cycles are easily obtained per year, which is by far the lowest maintenance with the highest operational cycles of any conventional door system in Australia.

All Arco counterweight doors are designed to withstand site specific wind loading in accordance to AS1170.2-2002. If wind loads are not provided, the standard industry 0.5 KPA is used.

The A1500 are commonly used in car park entries and showrooms.



Counterweight
Balanced Door



Design
Options



100 Cycles
P/A

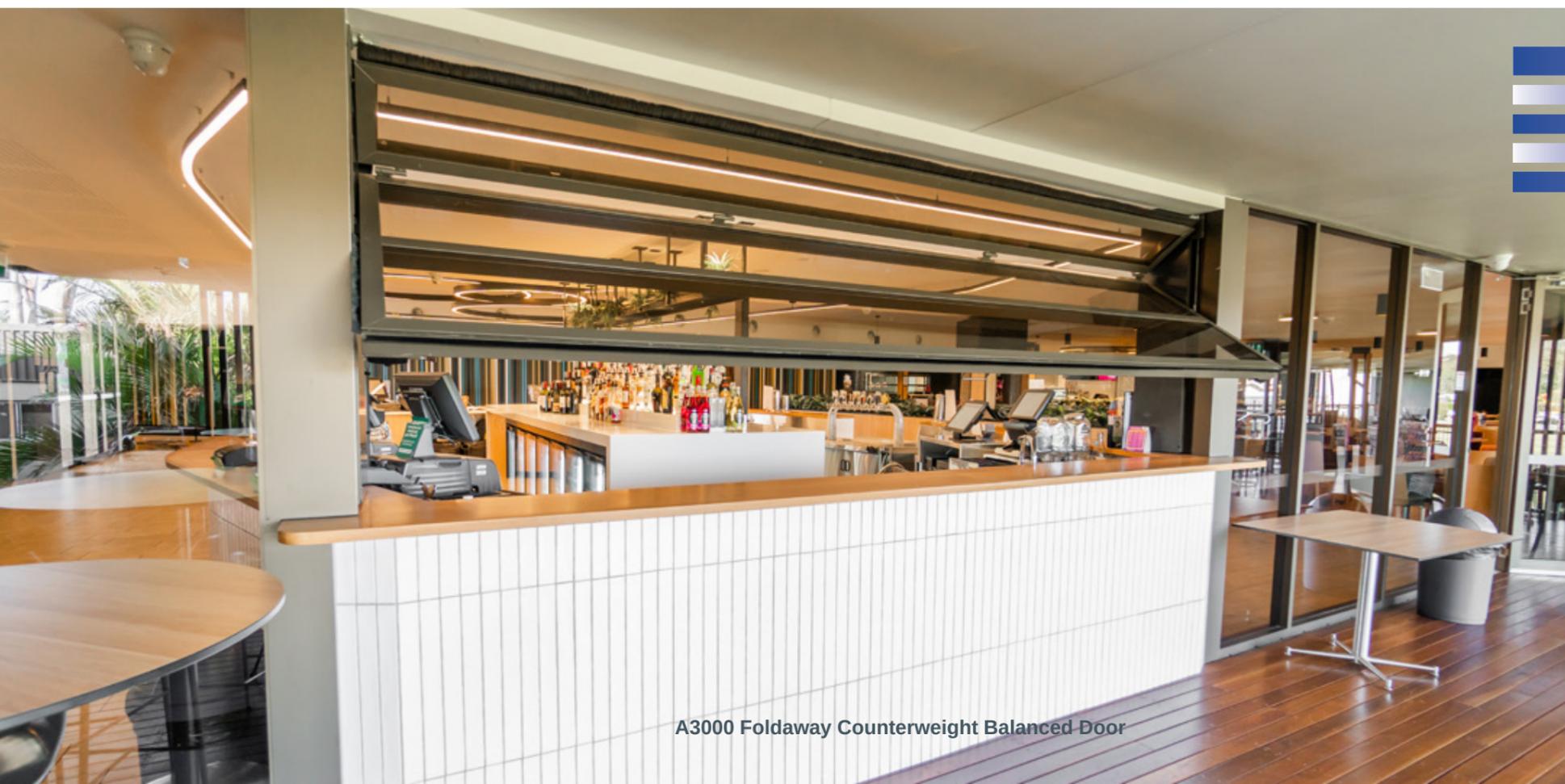


A3000 Foldaway Counterweight Balanced Door

A3000 Foldaway Counterweight Balanced Door

The A3000 Foldaway Counterweight Balanced Door is custom made and designed for openings that span as little as 1 metre to as much as 30 metres in width with minimal internal projection and requires little headroom. The main benefits of the A3000 is that it achieves the lowest maintenance with the highest operational cycles.

A3000 is commonly used for fire and ambulance stations, aircraft hangers, showrooms and transport depots.



A3000 Foldaway Counterweight Balanced Door



A1000 Tilt Up Counterweight Balanced Door

A1000 Tilt Up Counterweight Balanced Door

Arco's A1000 is custom made and designed for openings as little as one metre to as much as seven metres in width if required (for wider openings please refer A3000 Foldaway Counterweight Door).

The main benefits of the A1000 is that it requires the lowest maintenance with the highest operational cycles, able to be designed in a variety of cladding and glazing types and produces low noise emissions where transmission of sound and acoustic levels are of critical importance.

With Arco's custom made operating mechanism over 100,000 cycles are easily obtained per year. All Arco counterweight doors are designed to withstand site specific wind loading in accordance to AS1170.2-2002. If wind loads are not provided, the standard industry 0.5 KPA is used.

The A1000 can be used in many applications including residential homes and can be tailored to different design options.



A1000 Tilt Up Counterweight Balanced Door

A2000 Hingeway Counterweight Balanced Door

The main benefits of the A2000 is that it achieves the lowest maintenance with the highest operation cycles, able to be designed in a variety of cladding and glazing types.

The A2000 is custom made and designed for openings as little as one metre to as much as 10 metres in width if required (for wider openings please refer A3000 Foldaway Counterweight Door) with minimal internal projection and required little headroom.

The A2000 is commonly used in the industrial, commercial and domestic markets offering an architecturally contemporary appeal which allows natural light in or bringing the outside in.



A2000 Hingeway Counterweight Balanced Door



A2000 Hingeway Counterweight Balanced Door



A2000 Hingeway Counterweight Balanced Door

A4000 Counterweight Balanced Door

The A4000 is more suitable for very high openings and internal obstructions may prevent the opening of the door. Apart from achieving the lowest maintenance with the highest operation cycles, the A4000 only requires minimum internal projection around 1/8 of full opening height. It is able to be designed in a variety of cladding and glazing types.

The A4000 is motorised. It is equipped with ramp up and ramp down motor which provides quiet and smooth operation.

All Arco's counterweight doors are designed to withstand site specific wind loading in accordance to AS 1170.2 - 2000 ranging from 0.5KPA to cyclonic condition. Without specification, the standard industry 0.5KPA is used to design the door.

The A4000 is commonly used in the industrial, commercial markets offering lowest internal projection requirements. Typical applications are workshops, or warehouses with high openings (6-10 metres).





A5000 Vertical Lift Counterweight Balanced Door

A5000 Vertical Lift Counterweight Balanced Door

The A5000 is suitable for instances where noise and temperature control is an issue, both in large and small openings.

The main benefits of the A5000 is that it achieves the lowest maintenance with the highest operation cycles, able to be designed in a variety of cladding and glazing types.

The A5000 can be either manually operated or motorised.

The A5000 is commonly used in the commercial and domestic sectors for example car park entries, loading docks, cool rooms, schools and security areas.



Counterweight
Balanced Door



Temperature
Control



Low
Maintenance

Sliding Gate & Swing Gate

The Arco Sliding and Swing Gate are custom built for each specific application.

Motorisation may be fitted to an existing manual door, but this may require extensive modification.

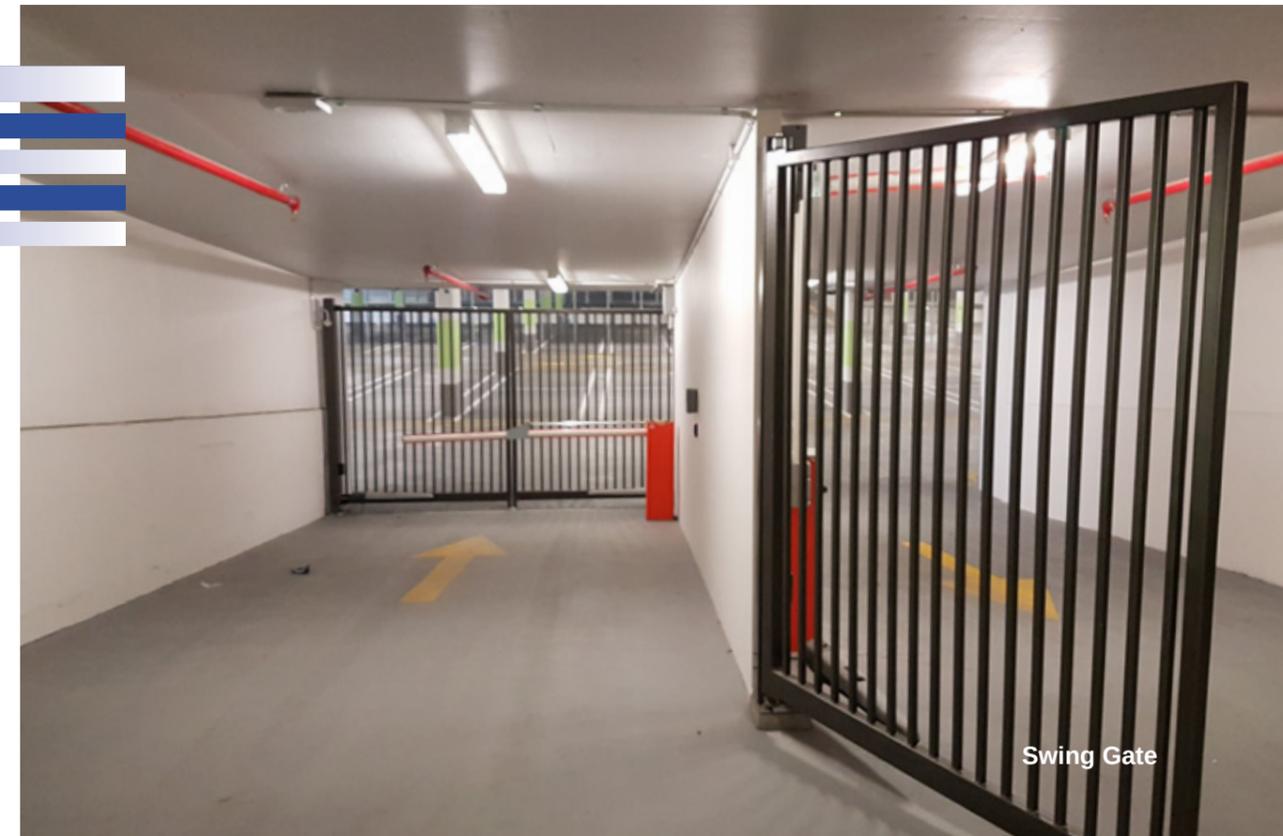
The design includes consideration for:

- Operational requirements
- Opening dimensions
- Structural requirements
- Architectural requirements

The Sliding Gate comes in a the multi-leaf sliding option, manufactured specifically to suit your application which can be motorized or manually operated with either floor tracks or overhead tracks incorporating logic or programmable logic controls with remote or card reader access. Other options include exit loops with safety features such as pe beams or light curtains.



Sliding Gate



Swing Gate



Gate



Custom Designed



Quiet Operation

Fire Shutter

The Q100F Fire Resistant Steel Roller Shutter curtain is comprised of interlocking, galvanized steel roll-formed horizontal slats with 6mm thick cast steel end clips to prevent lateral movement. The cast steel end clips are fixed to every other slat with four 6.35mm x 18mm long steel pop rivets.

The Q100F Fire Resistant Steel Roller Shutter was tested in accordance with AS1530.4-2014 by CSIRO (Report No. FSV 1829).

The Q100F Fire Resistant Steel Roller Shutter are manufactured in accordance with the requirement of AS1905.2-2005 and Exova Assessment Report No. 54358800.1.

To comply with the requirement of AS1905.2-2005, all Q100F doors are fitted with hood.

STANDARD: All ARCO (QLD) Q100F Fire Rated Steel Roller Shutter up to our tested size of 2350mm high x 2350mm wide will be certified as manufactured in accordance with AS 1905.2-2005.

NON-STANDARD: Under a Letter of Opinion (Exova Report 54358800.1), ARCO (QLD) can manufacture fire rated roller shutters up to maximum daylight opening size of 36m² with maximum opening height of 5500mm for 4 hours rated shutter.

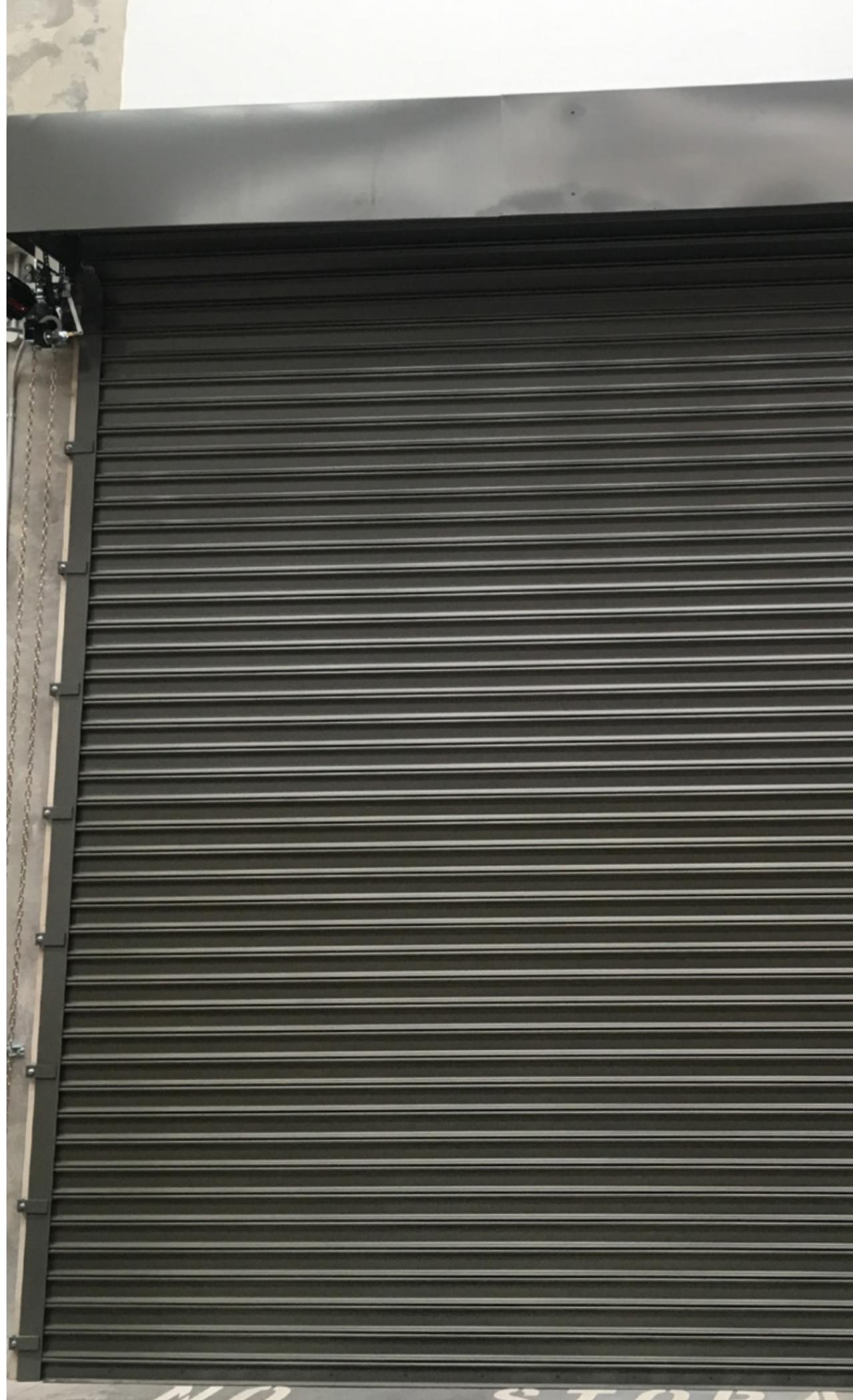
For shutters over 36m² or 5500mm high, please refer to ARCO (QLD) Engineering Department.

Table 1. Bundle Diameter

Height	Drum Diameter			
	168	219	273	323
2000	350	380	420	460
3000	390	420	460	490
4000	440	460	490	530
5000	470	500	530	560
6000	510	530	560	590

Table 2. Minimum Required Headroom

Height	Drum Diameter			
	168	219	273	323
2000	655	670	690	710
3000	675	690	710	725
4000	700	710	725	745
5000	715	730	745	760
6000	735	745	760	775



High Speed Door

High Speed Doors

Our High Speed Doors are fitted with the fully new Intelligent Curtain[®] designed to help you cut energy spending up to 30% at each opening/closing cycle by reducing the expose time each time a vehicle or person passes through!

The temperature in industrial, logistics and distribution buildings remains under control as long as the doors are closed. To preserve insulation against cold, heat, wind, dust, rain during in and out flow, the high speed doors for external openings are adapted to each building and environment, up to 200m² bays.

Equipped with the soft, flexible and responsive Entrematic Intelligent Curtain they open just in time and close immediately and safely.

Arco Architectural Systems offer aftermarket service with all doors.

Service Care Plan

Our Planned Preventative Maintenance Program ensures to keep your doors running in optimal condition and extend its life span. Each plan is tailored to suit the individual needs of our customer considering factors such as application, opening/closing cycles, safety features, age and condition of the door.

Included in our Preventative Maintenance Program:

-  Full inspection and detailed report for every door
-  Check of Operating Systems
-  Check of all Safety Systems
-  Check of all wearing parts and fixing joints
-  Recommendation of additional safety features if required



We understand that business operations change as you grow. To assist you adapt with your future plans, Retrotech Door Services offers consultation to determine your needs going forward. We can also provide an audit of all your doors and offer our recommendations for repairs, upgrades or replacement to ensure your facility is running as efficiently as possible.

Ask us about how to sign up for a plan today.





- Residential Garage doors, openers & service
- Australian made for 40 years
- Superior quality and value
- Over 20 branches nationwide

It's time to build a better life.
It's time to **draw the line at average.**

makers for life

steel-line.com.au



Steel-Line Garage Doors partners with Arco Architectural Systems to provide residential retail solutions to customers.





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product range visit
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