



The security bollards and gate specialists

Delivering a comprehensive range of gates, bollards, turnstiles, hostile vehicle mitigation products and commercial bicycle racks.



Contents



Leda Security Products
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- Who we are** **2**

- Bollards** **4**
 - The Custodian 6
 - The Rise Maximum M30 7
 - ATG Shallow Foundation Fixed Bollards 8

- Gates** **14**
 - The Miti-Gate® 16
 - The Solar Gate 18

- Perimeter Security & HVM Products** **20**

- Bicycle Racks** **26**
 - VertiRack 28
 - eBike Rack 29

Who we are



Our Products

Leda Security Products is an essential product line within the ARA Manufacture Division, offering a comprehensive range of products, including gates, bollards, turnstiles, hostile vehicle mitigation (HVM) products and commercial bicycle racks.

Leda's HVM systems complement ARA Manufacture's physical security products, which include blast-rated door and window systems, intruder and ballistic-resistant products, as well as shelters and structures.

Leda has successfully supplied and installed its products, including bollards, gates, and HVM solutions, to major clients across Australia. Some of its notable clients include Sydney Olympic Park Authority, The Star Casino, Crown Resort in Sydney, Moorebank Logistics Park Sydney, Supreme Court Adelaide, West End Police Station Queensland, Melbourne Cricket Club and the City of South Perth foreshore.

Operating a state-of-the-art manufacturing facility in Tuggerah, New South Wales, Leda caters to the Australian and New Zealand markets. Additionally, the company has a manufacturing plant in Ningbo, China, exporting to distributors located in Singapore, Chile, New Zealand and the USA.

With its advanced manufacturing capabilities and strategic locations, Leda is well-positioned to meet the growing demand for high-quality security products both domestically and internationally. The company's commitment to innovation, quality and reliability has helped it establish a reputation as a trusted and preferred supplier of security solutions in the markets.

Bollards



Gates & Access Control



Perimeter Security & HVM



Bike Racks



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Bollards



Bollards

PAS170

The Custodian Impact Rated Bollard

Crash tested 2.5 tonne at 32km/hr

LEDA 



MAXIMUM M30

Rise MAXIMUM M30 Automatic Hydraulic Bollard

BSI PAS 68 and IWA 14-1 Impact Tested

RISE®
Smart Moving



TECHNICAL SPECIFICATIONS

PAS170 Rating	PAS 170: V/2,500/32/90:1.8 (Single Bollard)
Dimensions	1000mm FFL, 600mm Embedment, Bollard's Outer Diameter: 168mm
Foundation	600 x 600 x 725mm deep
SKU for Specifications	CTD150FP
Finish	Hot Dip Galvanised, Painted or Stainless Steel Sleeve options available

TECHNICAL SPECIFICATIONS

- Minimal vehicle penetration
- E.F.O. (Emergency Fast Operation) available as an option – raise time 1.5 seconds (standard raise time 4.5 seconds)
- Other options available include heating and audible operation alarm
- Built-in LED lights as standard
- Available as SS316 or painted Graphite Black Finish
- Control unit can operate 2 bollards
- Independent hydraulic pump located in each bollard, laterally positioned to avoid damage in the event of an impact
- Fail secure (Bollard will remain in the raised position in the event of power failure) with manual release
- Load Index D400 (40 tonnes)
- Suitable auto bollard option for Embassies, Police Stations, Military Installations, Government Buildings and other sensitive sites.



IWA 14-1:2013 V/7200
[N3C]/48/90: -0.8



PAS68:2013 V/7500
[N3]/48/90: -0.5



ASTM INTERNATIONAL
ASTM F2656 Rating
C730/7200 - P1

Bollards

SP400 SM 48, SM 64, SM 80

ATG Shallow Foundation Fixed Bollards

Shallow Fixed Bollard



The ATG Access SP400 SM range are the latest innovation within an already extensive Shallow Foundation Bollard portfolio.

The SP400 SM range of impact tested bollards have a slim profile making them aesthetically pleasing and can be fitted with a multitude of sleeve options. Its shallow foundation depth enables effective perimeter protection for installation within urban environments which typically have a dense network of underground services that can be very costly to redirect.

Successfully impact tested to both the BSI PAS 68 and the IWA 14-1 standards.

TECHNICAL SPECIFICATIONS

SP400 SM 48	
Bollard Diameter	203mm; 219 mm sleeved
Height Above Ground	800mm (as tested); 1,050mm sleeved
Structural Depth	178mm
Finishes Available	Galvanised as standard. Can be supplied in a variety of different RAL colours or fitted with an aesthetic sleeve if required.
Security	BSI PAS 68: V/7,500(N2A)/48/90:0/0 IWA 14-1: V/7,200(N2A)/48/90:0.2
Minimum Tested Array	3 units
SP400 SM 64	
Bollard Diameter	203mm; 219mm sleeved
Height Above Ground	Finished with an aesthetic sleeve – 1,000mm above ground
Structural Depth	178mm
Finishes Available	Galvanised as standard. Can be supplied in a variety of different RAL colours or fitted with an aesthetic sleeve if required.
Security	BSI PAS 68: V/7,500(N2)/64/90:5.0/0.0 IWA 14-1: V/7,200(N2A)/64/90:5.2
Minimum Tested Array	3 units
SP400 SM 80	
Bollard Diameter	203mm; 219mm sleeved
Height Above Ground	Finished with an aesthetic sleeve – 1,000mm above ground
Structural Depth	178mm
Finishes Available	Galvanised as standard. Can be supplied in a variety of different RAL colours or fitted with an aesthetic sleeve if required. Concrete filled on site.
Security	IWA 14-1: V/7200(N2A)/80/90:10.5
Minimum Tested Array	3 units



Bollards

CUSTOMISABLE OFFERING

Custom Vinyl Wrap Finish

Leda proudly introduces its latest offering - a customisable vinyl wrap finish for our bollards.

We understand the significance of creating a cohesive and visually appealing environment that reflects your organisation's identity. With our vinyl wrap option, you can personalise your bollards with custom designs and branding.

From displaying your company logo to showcasing a slogan or any other custom artwork, our vinyl wrap finish brings your vision to life. Clients are encouraged to provide their artwork, and our skilled designers will closely collaborate with you to develop a design that meets your specifications and perfectly aligns with your organisation's aesthetic.

Leda's bollards are already renowned for their robust construction, and the addition of the vinyl wrap provides an extra layer of protection against the elements.

Installing the vinyl wrap finish is a seamless and efficient process. Our experienced technicians will expertly apply the vinyl wrap to the bollards, ensuring a smooth and professional finish. Whether you need a single bollard or an entire installation, we have the capabilities to handle projects of any size.



Our projects

Protecting Olympic Parks & Stadiums

Due to the increasing threat of terrorist or vehicle attacks in public areas with large crowds, it has become essential to implement physical security measures. One such area that requires priority protection is stadiums and other sporting facilities where numerous people gather.

Leda Security Products has been at the forefront of designing, manufacturing and installing impact-rated bollards and crash-tested gates to safeguard Australia's leading stadium precincts.

Leda has played a vital role in the installation of high-security bollards and anti-terrorist equipment around stadiums and Olympic Parks across all states. These measures are necessary to ensure the safety of attendees at events such as sports matches and musical concerts.

Leda has completed installations at various stadiums including:

- ANZ Stadium
- Optus Perth Stadium
- Melbourne Cricket Ground
- WIN Stadium
- Bankwest Stadium

The most recent addition to that list is Sydney Olympic Park, where Leda has installed high-security retractable bollards. These bollards act as custodians, protecting people during sports events, concerts, or any public gathering.

Protecting Foreshores

Leda supplied PAS68 rated bollards, fitted with electropolished stainless steel sleeves, to protect the front entrance of Bondi Pavilion.

Leda has been at the forefront of designing, manufacturing and installing Hostile Vehicle Mitigation & High-Security bollards at prominent locations across Australia. As a trusted supplier of security solutions, we take immense pride in providing state-of-the-art protection for cherished public spaces like the Bondi Foreshore.

Leda Security's dedication to excellence and innovation shines through in every aspect of our bollards' design and construction. Crafted from the highest-quality materials, these robust structures boast superior durability, capable of withstanding the harshest environmental conditions and potential impacts. Tested to meet stringent safety standards, our bollards offer steadfast protection, reassuring the community that their beloved Foreshore remains shielded from unauthorised vehicular access and potential threats.

What sets Leda Security apart is our commitment to tailor-made solutions. Understanding the unique needs of the Bondi Pavilion project, our team of experts collaborated closely with project stakeholders to create bollards that merge seamlessly with the Pavilion's distinctive character. Each bollard is a testament to our dedication to meticulous craftsmanship, ensuring the highest level of safety without detracting from the historical and architectural essence of the site while providing protection against any hostile vehicle impact using these PAS68 Rated bollards.



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Gates





The Miti-Gate® Manual Crash Tested Barrier



An industry first Vehicle Security Barrier (VSB) independently tested to IWA14-1:2013, CPNI's Vehicle Attack Delay Standards (VADS), and PAS68:2010, ensuring the most comprehensive protection against small, medium, and large vehicle threats.

The Miti-Gate® is CSG's latest 'semi-permanent' manual swing barrier, borne from the highly successful Miti-Gate® introduced by Cova Security Gates in 2012. It has been redesigned and redeveloped to take account of new and emerging vehicle threats.

Construction

Designed to be mounted between Cova's standard range of crash tested bollards, adapted with hinge and locking pins, the barrier can be hinged or completely removable.

The Miti-Gate® utilises CSG's patented arrestor system (European Patent No 2369126).

Security

The Miti-Gate® can easily be secured in the closed position with a specific padlock which is applied to the hinge pin and locking pin.

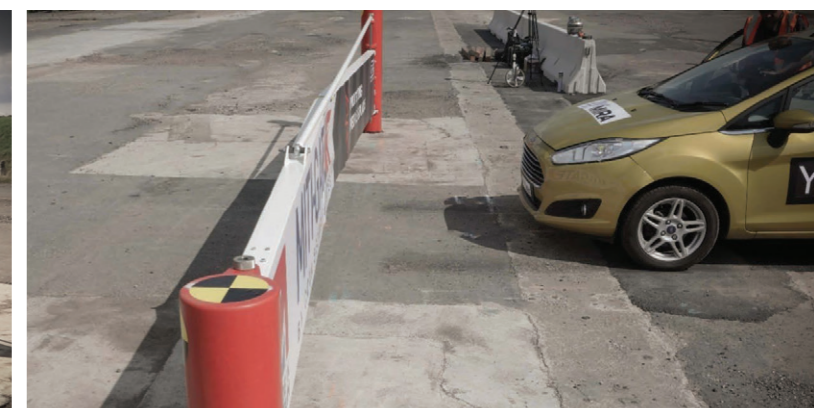
Advertising Space

The Miti-Gate® offers a large flat surface, a perfect advertising space. With use of graphics this gate can also be finished to blend with the installed environment.

TECHNICAL SPECIFICATIONS

Dimensions	Maximum Width: 8000mm Nominal Height: 1100mm from FFL
Finish	<ul style="list-style-type: none"> Shot blast to SA 2.5 Primed: Either galvanised or zinc primer @60µm. Topcoat: Polyester top coat CPNI (VADS) @60µm to a specific RAL No.
CPNI (VADS)	Small Vehicle - Class M1B Medium Vehicle - Class N1G
IWA 14-1 Crash Testing	Test Rating: IWA14-1:2013V/1500[M1]/48/90:0.4
PAS 68 Crash Testing	Test Rating: PAS 68:2010 design assessment based on the original physical Miti-Gate® PAS 68 impact test.

RESULTS TABLE	IWA14-1	PAS 68
Vehicle Test Weight	1500kg	7500kg
Vehicle Class	M1	N2
Vehicle Speed mp/h	30	40
Vehicle Speed km/h	48	64
Target Impact Energy	133.3	N/A
Vehicle Angle	90	90
Vehicle Penetration	0.4	3.0
Dispersion Distance	N/A	0.0



Gates

CLASOLAR

The Solar Gate Sustainable Access Control



Leda is excited to unveil our latest innovation, the 100% Solar Gate.

This advanced gate offers a sustainable and efficient solution for access control while maintaining the highest standards of security.

Designed with a clear opening range of 3m-6m and a height of 1.8m-2.1m, the Solar Gate accommodates various entrances and ensures smooth traffic flow.

The standout feature of Leda's Solar Gate is its 100% solar-powered operation. Powered by two 170W panels and a 24VDC motor, it harnesses solar energy for continuous functionality. The gate is equipped with two deep cycle batteries to store excess energy, ensuring uninterrupted operation during low sunlight or night-time. Safety is prioritised with PE beams that detect obstacles and trigger automatic stopping or reversing, preventing accidents and damage.

Tested in sunny conditions, this Solar Gate delivers an impressive 80 cycles per 8-hour day, with a charge time of approximately 12 hours. Its HDG/powder coated finish provides an attractive appearance while ensuring corrosion resistance and extended lifespan.

Leda's 100% Solar Gate combines sustainability, performance and security, offering a greener access control solution.





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Perimeter Security & HVM Products

Perimeter Security & HVM

Leda is recognised as Australia's market leader in HVM & High Security with a comprehensive range of bollards, gates, defenders, road blockers and temporary event security products catering for high-security applications and perimeter protection.



Leda offers a comprehensive range of High Security PAS68 & IWA 14 products, engineered to provide varying levels of impact protection. Many of these products are Leda designs and manufactured right here in Australia.

Hostile Vehicle Mitigation (HVM) Applications

- Vehicle access points
- High profile buildings
- Defence site
- Strategic infrastructure
- Government sites and utilities
- Public and community areas
- University and TAFE campuses
- Building forecourts and perimeters
- Shopping centres and malls

Product Selection

Perimeter and HVM security products normally require one or more of the following security products:

- Bollards
- Vehicle Access Control Products (Gates & Road Blockers)
- Temporary Barriers
- Street Furniture

Many of them are Leda designs and manufactured by Leda here in Australia.

For more information, please contact your nearest Leda sales office to speak with one of our experienced HVM staff.



Perimeter Security & HVM

VEHICLE SECURITY BARRIERS

Designing for Security



Leda Security Products has been a leader in manufacturing, supplying and installing Vehicle Security Barriers in Australia for over 20 years.

We take pride in offering the most extensive range of vehicle impact tested and engineered security barriers in the country, providing our clients with the flexibility to choose the appropriate security products that suit their project's budget.

Tested V Engineered Solutions

While Leda boasts an expansive range of PAS68 tested and certified products, these come at a price due to the high cost of testing. However, we also offer our clients an alternative, more economical engineered solution using locally sourced and manufactured materials that deliver similar impact resistance performance.

Leveraging the extensive experience and knowledge we've gained over the years of installing this type of equipment, particularly with shallow mount and concrete footing designs, our engineers can provide a certified (but not tested) option.

The engineered solution not only proves to be more cost-effective but also helps in reducing lead times, making it an ideal choice that usually fits within the project's budget.



LEDA SECURITY

Bicycle Racks



Bicycle Racks

BR101

VertiRack



Leda is excited to present the latest addition to our Securabike lineup, the VertiRack.

This innovative bike storage solution offers secure and convenient bicycle parking, transforming the way cyclists store their bikes. With its unique design that securely holds the bike in place, this rack provides ease of use and peace of mind.

The standout feature of the VertiRack is its ability to securely embrace the bike, ensuring a stable hold. Its vertical orientation maximises space efficiency and provides a sturdy anchoring point. Cyclists can trust that their bikes are securely stored in public spaces, workplaces or residential areas.

Ease of use is at the forefront of the VertiRack's design. Cyclists can effortlessly position their bikes onto the rack, which securely grasps the bike with a simple lift and placement. This intuitive process eliminates the hassle of traditional racks, making it quick and easy to secure bikes.

Alongside its user-friendly design, the VertiRack offers other benefits. Its vertical orientation saves floor space, making it ideal for areas with limited room. The rack's durability ensures it can withstand daily use, and its compact footprint allows for flexible installation options.

At Leda, we prioritise secure and efficient bicycle storage solutions. The VertiRack reflects our commitment to meeting cyclists' needs and promoting sustainable transportation.

Elevate your bike storage experience with Securabike's VertiRack from Leda.



CBR4SCE

eBike Rack



At Leda, we are excited to introduce our latest innovation in the world of bike racks.

Our engineering and design team has recently developed a bike rack that not only allows cyclists to park their bikes securely but also charges their eBikes safely and conveniently. Our new bike rack comes with a range of features that make it stand out from other bike racks in the market.

Some of these features include:

- eBike charging capability & parking for up to 4 bikes
- AS2890.3 Compliant
- Flat packed for easy transportation
- Range of colours & finishes

We believe that our new bike rack with the ebike charging feature can revolutionise the way cyclists park and charge their bikes.

TECHNICAL SPECIFICATIONS

Material	Mild steel or Stainless steel	AS2890.3 Compliant	Yes
Dimension	1810L x 953W x 1000H with 500mm spacings	Capacity	4
Finish	Hot dipped galvanised, Stainless steel lined or Powder coated in a range of colours	Weight	32kg



**Australian manufacturer of
quality physical security products**

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