

Defender™ access hatches for roofs and ceilings

The Defender differences add up to remarkably robust access hatches that are easier and safer to use. But don't just take our word for it: Defender brings the assurance of independently certified safety.

Defender access and safety equipment is designed by engineers.

Most importantly, every Defender access hatch is individually built to suit your site and the way your people work. The result is strong, reliable equipment that delivers fully compliant access and true safety.

Easy to open single-handedly, maintenance-free and secure, each Defender roof access hatch boasts:

- > Manufactured in an independently-accredited *StandardsMark™* facility to deliver consistently high quality
- > Defender grab rails and guardrails, designed and tested in a *NATA™* (National Association of Testing Authorities) *accredited* facility, for full compliance to AS 1657 and Australia's National Construction Code.
- > Easy open 'one hand' mechanism for users on a ladder
- > Locks easily incorporated into existing alarm systems and keying
- > Robust and trafficable insulated zinc/aluminium coated steel outer lid
- > Sliding hatches that won't slam shut in the wind eliminate maintenance associated with gas struts
- > Standard sizes in stock for rapid delivery
- > Strong, reliable and built to last
- > Custom built to meet your site's requirements
- > Optional painting/powder coating to match your site's aesthetics
- > Installed with complete safety fittings
- > Extraordinarily cost-effective
- > Installed by Certified *Defender™* Installers with plumbing and watertight system guarantees.

Match with hand grabrails for safety

Hand grabrails incorporated into the guardrails around each hatch make it easier and safer to move between the hatch and the roof. With that added safety for users transitioning from one level to another comes a barrier to prevent falls by those on the roof into the void of an open hatch.

7 year warranty

Defender access hatches are incredibly tough. So tough, we back them with a 7-year metropolitan on-site warranty.

Quick delivery, minimal disruption, existing stock

For rapid delivery, Defender access hatches are stocked in our warehouse in kit form to suit all standard roof and platform profiles. Your Defender access hatch can be installed with minimal disruption and can be customised to any size and any roof profile.

Other Specifications Guides in the **DEFENDER** series:

- | | |
|-------------------------|-------------------------------|
| Cooling Tower Platforms | Staircases |
| Guardrails | Static Lines & Rail Systems |
| Landings & Platforms | Step Type Ladders |
| Roof Anchors | Walkways |
| Rung Ladders | Internal & Suspended Walkways |



ISO 9001 Quality

ISO 9001 is the world's most established quality framework, currently being used by over 750,000 organisations in 161 countries. This standard assures the quality of Defender Access Hatches.

AS 1657 Approved Guardrails

AS 1657 is the Australian Standard for the design, construction and installation of fixed platforms, guardrails, walkways, staircases and ladders. This standard underpins the performance of Defender grabrails and guardrails.

NATA™-Accredited Testing of Guardrails

Defender grab rails and guardrails are designed rigorously testing in a NATA-accredited laboratory. NATA is the authority that provides independent assurance of technical competence through a proven network of best practice industry experts. The criteria for determining a facility's competence are based on the relevant international standard (e.g. ISO/IEC 17025, ISO 15189, ISO/IEC 17020). NATA provides assessment, accreditation and training services to laboratories and technical facilities throughout Australia and internationally.

CodeMark™ – National Construction Code Approved

The CodeMark scheme assures you of compliance with Australia's National Construction Code (formerly the BCA) and is awarded to Defender's grabrails and guardrails.

Get it done right, first time, for less.
Defender equipment and installation is
extraordinarily cost-effective. Why?
Because smart design shouldn't cost extra.

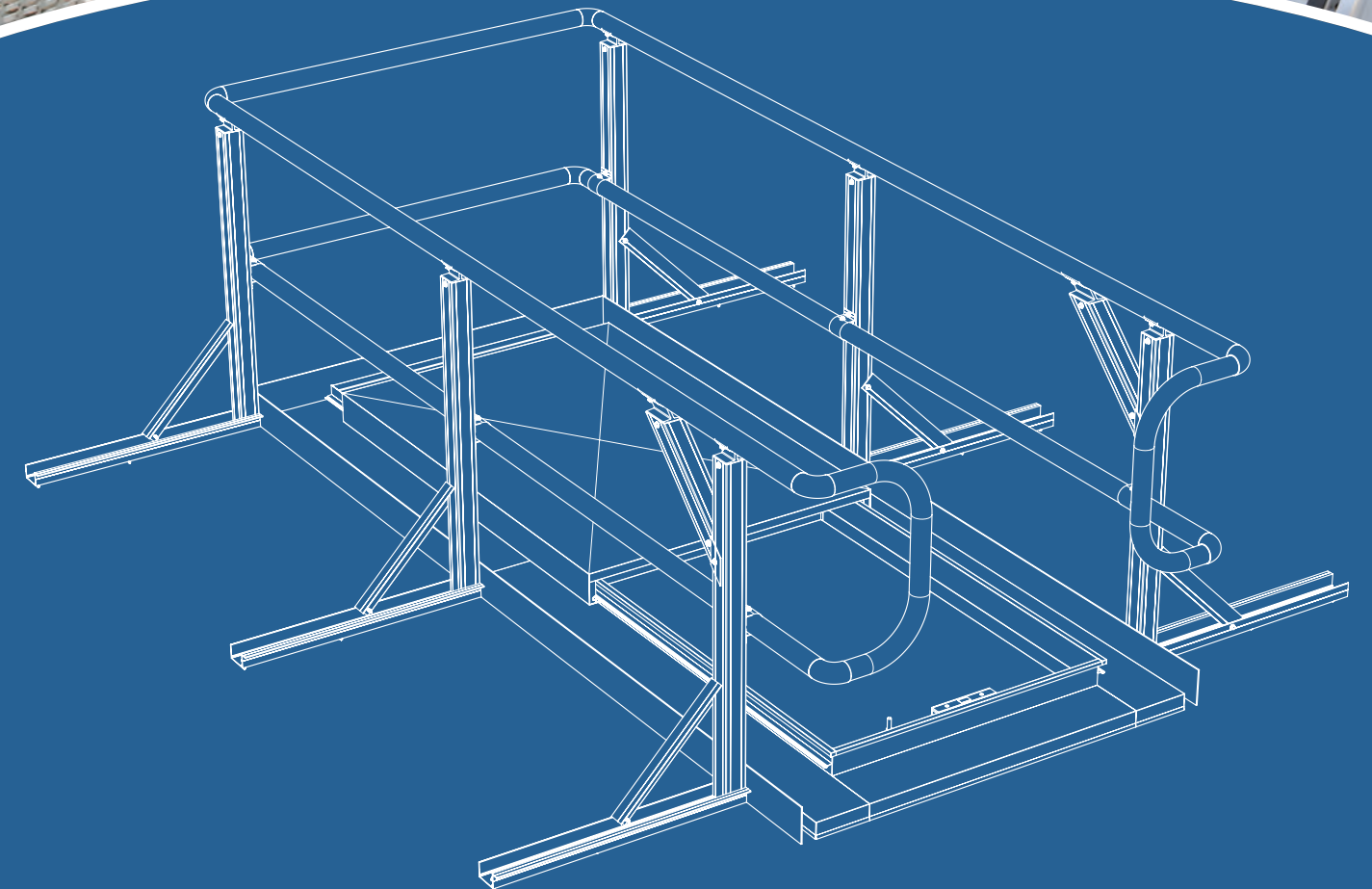
**CALL US TODAY ON 1300 013 794
TO ARRANGE A VISIT FROM A
CERTIFIED DEFENDER™ CONSULTANT**

Access Hatches

SPECIFICATIONS GUIDE

DEFENDER™

Independently certified safety



DEFENDER™
Independently certified safety

To order, receive a quote, or for more information contact us today at:

enquiries@workplacedefender.com.au
or call 1300 013 794

www.workplacedefender.com.au

Certified Defender™ Installer:

**workplace
access&safety®**

the fall prevention specialists

Telephone 1300 552 984
www.workplaceaccess.com.au



www.workplacedefender.com.au

Defender™ access hatches

Manufacture and installation specifications:

Supply and install sliding roof access hatch complete with all trimmings, flashings and locking system as required for a watertight and secure installation. Include single-handed locking system.

- > Size: 800mm WIDE x 1200mm DEEP (To accommodate adequate clearance per ladder standards). (See Figure 1 & 2.)
- > Finish: Zinalume 0.75 minimum.
- > Clearances: As required beneath hatch to meet ladders standards. Ensure there are no obstructions so that clearances are met. (See Figures 3 & 4.)
- > Ladders must lead straight to front of hatch. (See Figure 5.)
- > Install access hatch per part No. WAS 1150 (Workplace Access & Safety LTD Tel. 1300 552 984) or approved equivalent.
- > Install trimmings internally to 4 sides to ensure that hatch is fully supported.
- > Lid to be fully insulated to ensure a minimum R2.
- > The tracks must be supported at their extremities from the roof.
- > Movement stop to be supplied on the tracks to protect the hands of users operating the hatch.
- > Hand grabrails and guardrails to be installed in compliance with AS 1657 and the National Construction Code. (See Figures 6 & 7.)
- > All aluminium welding shall comply with the requirements of AS 1665 (Aluminium welding structures), to Category B. Steel welding shall comply with the requirements of AS 1554.1:2011-SP.

Certified Quality

- > Manufactured by an independently audited ISO 9001 accredited facility, delivering consistent product with full traceability.

Documentation and labelling

- > Comprehensive handover documentation allows the system to be properly managed by the workplace controller.
- > Provides all of the user information, layouts and compliance labelling to meet AS 1657 safety requirements.

Installation

- > Height safety installers demonstrate competency through training delivered by a registered training organisation.
- > Independently accredited installation contractor to install the access hatch.

Management Systems

- > Installation performed by organization independently certified to AS/NZS 4801 Standard for Health and Safety Management Systems.

Environmental accreditation

- > Manufacture and construction to be conducted by an organisation independently certified to satisfy the ISO 14001 Environmental Management System standard recognising the management of primary environmental issues.

Design Certification

- > Issue a design certificate guaranteeing the system meets the requirements of the Code of Practice (Safe Design of Structures 2012).

Independently certified grabrails and guardrails

- > Hand grabrails and guardrails independently certified to Australian Standard AS 1657 by SAI Global™ and/or equivalent JASANZ accredited certification body. (See Figures 6 & 7.)
- > Designed and tested in a NATA™- (National Association of Testing Authorities) accredited facility.
- > CodeMark™ approved for full compliance to Australia's National Construction Code.



AS 1657
Approved
SMK40193



ACCREDITED FOR
TECHNICAL
COMPETENCE
19106



Codemark™
SAIG-CM20080

Figure 1.

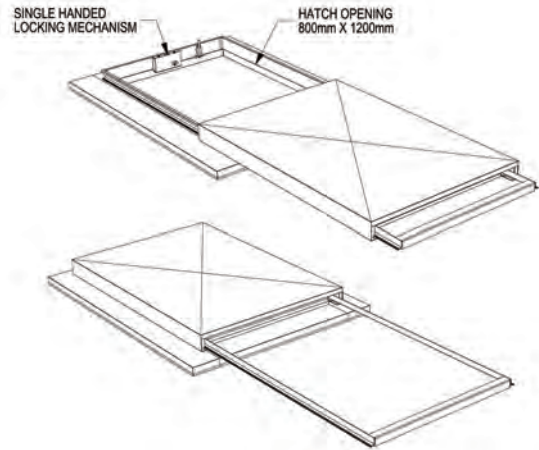


Figure 2.

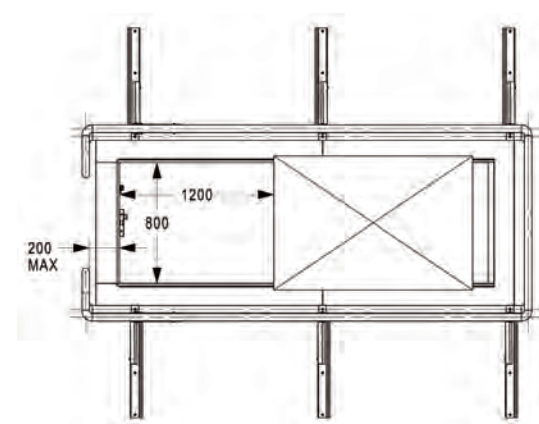
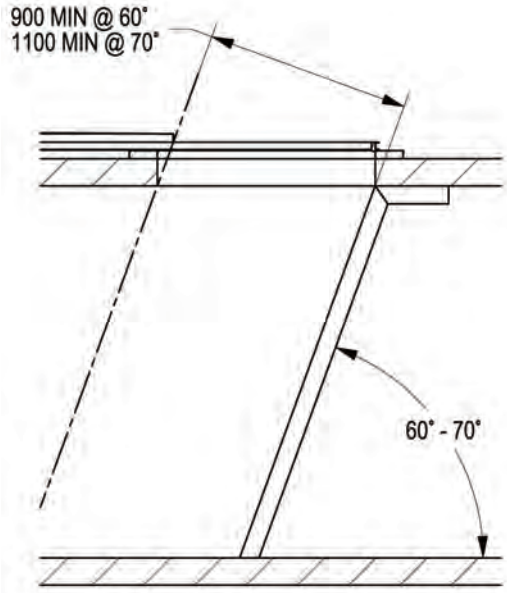
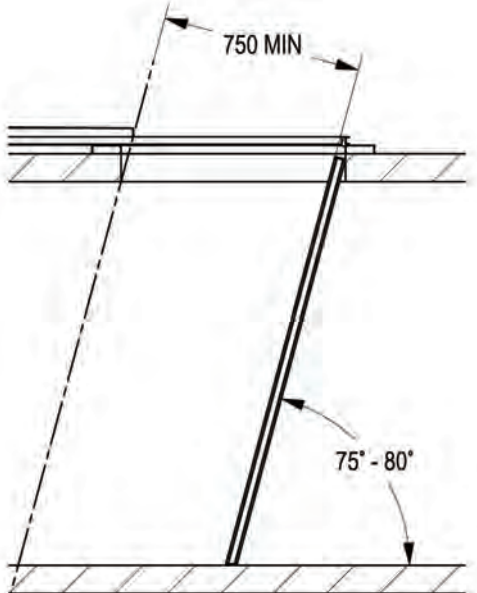


Figure 3.



Step type ladder

Figure 4.



Rung type ladder

Figure 5.

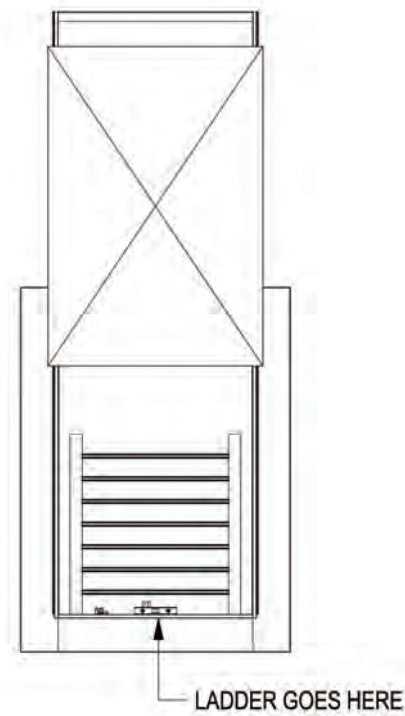


Figure 6.

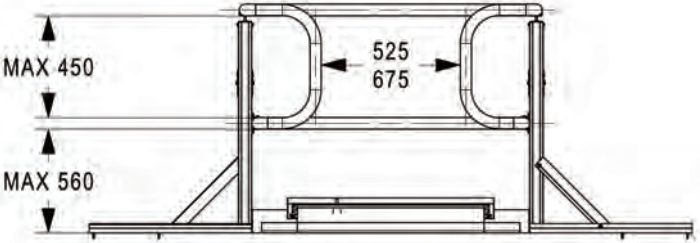
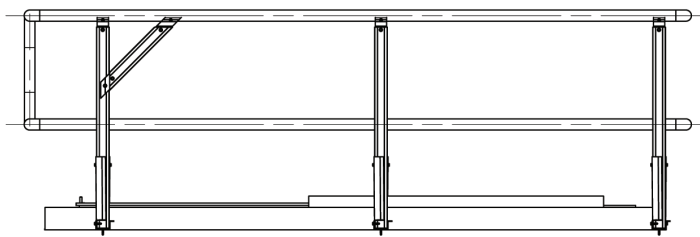


Figure 7.



Recommended designer, manufacturer, installer and certifier:

workplace
access&safety®

Telephone 1300 552 984
www.workplaceaccess.com.au

DEFENDER™

DRAWN: MGB 10/08/13		TOLERANCES U.N.O.		TITLE: DEFENDER™ – ACCESS HATCH	
CHECKED: WAS 10/08/13		FABRICATION 0-1000 ± 1.0 >1000 ± 2.0		DWG. No. 146-008	
APPROVED: 10/08/13		MACHINING ± 0.2		Reserve Bank of Australia	
DO NOT SCALE		HOLE POSITION		SHEET 1 OF 2	
		ALL DIMENSIONS IN mm		SCALE: NONE	
				SIZE A3	

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