

# Roof Anchors

## SPECIFICATIONS GUIDE

**DEFENDER™**

*Independently certified safety*

### Defender™ roof anchors

Be certain your fall prevention systems are safe and compliant. Defender roof anchors meet **Australian Standards** for safe and efficient fall restraint, fall arrest and work positioning.

Designed and tested in a **NATA™-accredited** fall prevention laboratory, Defender anchors carry **StandardsMark™** certification, acknowledging full compliance to **AS/NZS 5532** and **AS/NZS 1891** so you can be sure you're on the right side of **OHS legislation** and **state law**.

### Smart design

The safety of a system hinges on its design. Certified Defender Installers consider the configuration of your rooftop and plant to plan a system that will minimise the risk of falls and the potentially lethal pendulum effect.

The system includes all harnesses, static lines, lanyards and shock absorbers, design, installation, certification, permit systems, training and rescue plans.

### Defender ... independently certified safety

Accredited with **StandardsMark™** certification, Defender access and safety equipment is designed by engineers, tested in a **NATA™-accredited** facility and installed by factory-trained installers.

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

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

Access Hatches	Staircases
Cooling Tower Platforms	Static Lines & Rail Systems
Guardrails	Step Type Ladders
Landings & Platforms	Walkways
Rung Ladders	Internal & Suspended Walkways



#### AS/NZS 5532 Approved

AS/NZS 5532 is the Australian standard for the design, construction and installation of roof anchors. Defender anchors are also guaranteed to comply with AS/NZS 1891.

#### NATA™ Accredited Testing

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.

#### Australian Standards Committee Participation

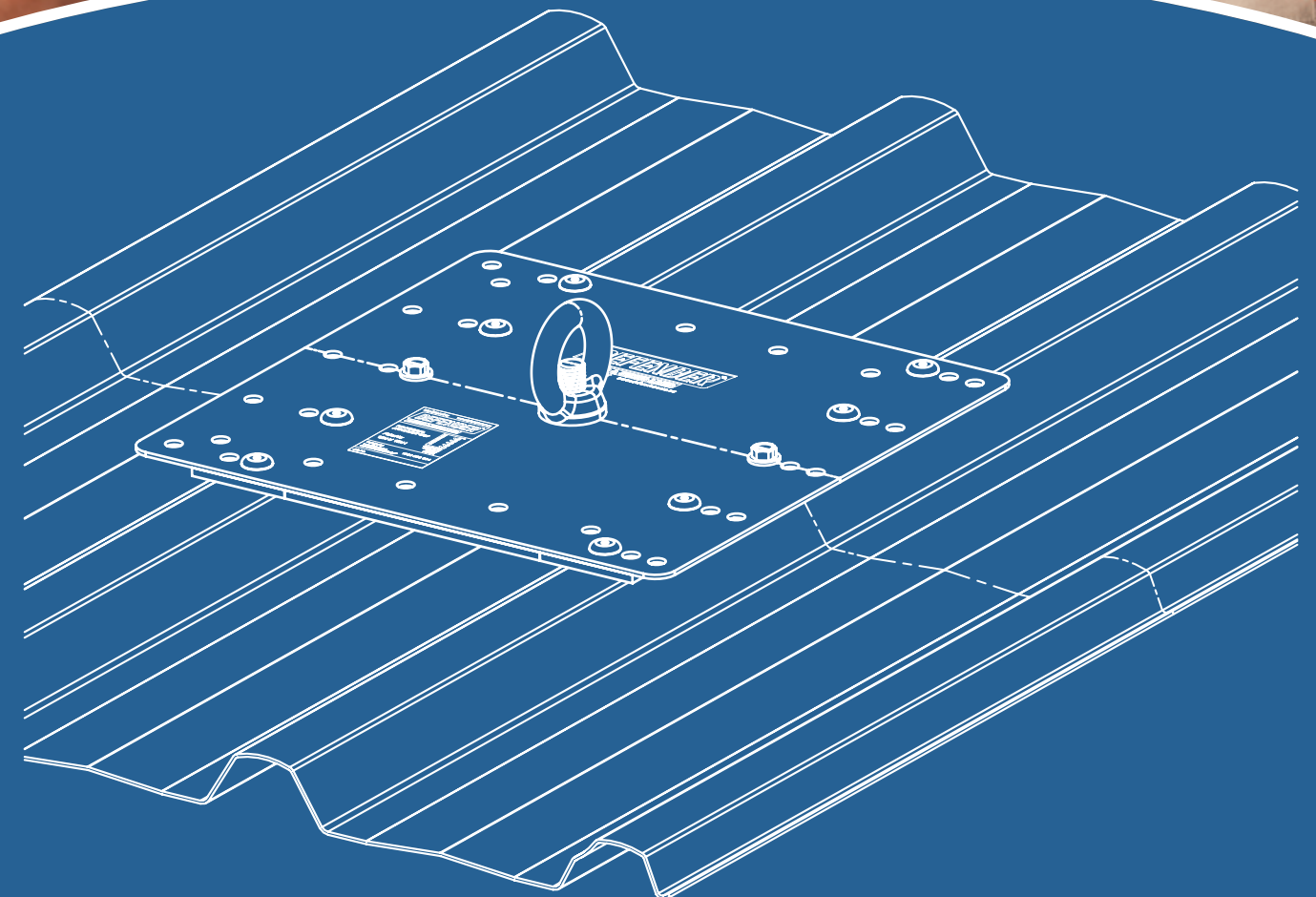
Defender's manufacturer, **Workplace Access & Safety**, is proud to represent the FMA (Facility Management Association) on the Australian Standards Committee, taking an active role in the development of the Australian Standards for fall arrest systems, and contributing technical expertise for the benefit of the community of industrial safety.

#### Proudly Australian Made

Engineered and fabricated in its own ISO 9001 quality-assured factory, Defender guardrails are certified Australian-made.

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**



**DEFENDER™**  
*Independently certified safety*

To order, receive a quote, or for more  
information contact us today at:  
[enquiries@workplacedefender.com.au](mailto:enquiries@workplacedefender.com.au)  
or call 1300 013 794  
[www.workplacedefender.com.au](http://www.workplacedefender.com.au)

Certified Defender™ Installer:  
**workplace  
access&safety®**  
the fall prevention specialists  
Telephone 1300 552 984  
[www.workplaceaccess.com.au](http://www.workplaceaccess.com.au)



[www.workplacedefender.com.au](http://www.workplacedefender.com.au)



## Defender™ anchor manufacture and installation specifications:

### Design

- > Layouts and rigging plans designed by competent technicians to eliminate the pendulum effect and provide access to roof equipment (gutters, air-conditioning, CCTV, lighting, signage, facades, HVAC systems, chillers, extraction systems, kitchen exhausts, condensers, skylight/polycarbonate sheeting and mechanical ducting, etc.).
- > Design Certificate to Code of Practice for guaranteed compliance.

### Manufacture

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

### Documentation

- > 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/NZS 5532 safety requirements.

### Installation

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

### Safe installation and fabrication

- > Installation performed by organization independently certified to AS/NZS 4801 Standard for Health and Safety Management Systems.
- > Licensed to the requirements of state building regulations.

### 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.

### Testing

- > Dynamically tested in a NATA™-accredited fall prevention laboratory to clause 5.2 and clause 6 of AS/NZS 5532.

### Traceability

- > Mark all anchors to provide full traceability to material batches.

### Design

- > System layout and design to be completed by an RTO-trained designer. The design layout, which follows the hierarchy of controls, is included in the specifications, installation and usage instructions.

### Anchors

- > Provide certification by a body independently accredited by SAI Global™ or equivalent to AS/NZS 5532.

### Design Certification

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

### Load rating

- > Anchor points are rated to 15kN (1 person use) under normal conditions.

### Labelling

- > Tag/label each anchor individually with a unique ID number specifying the manufacturer, installer, certifier and next inspection due date on a label that is capable of withstanding at least 12 months of weather exposure. (See below)

<b>DEFENDER™</b> <b>ANCHORS &amp; STATIC LINES</b> www.workplacedefender.com.au	
Job No. _____	
RA-0910 Registered design, patent pending	
Inspection next due date: _____ _____ _____	
Do not use if damaged	
Installed by <b>workplace access&amp;safety®</b> 1300 552 984	
Certified by <b>FOR PERSONAL ATTACHMENT ONLY</b> <b>Rated to: 15kN</b> Australian Standard AS/NZS 5532 SMK40193 <b>AUSTRALIAN MADE</b>	

### Compliance plate

- > Provide a coloured certification plate (min 150mm x 110mm) at the point of entry to the system, identifying the designer, installer, or certifier of the system; state regulatory requirements, and; any other system specific information. See Figure 3.

### Handover documentation

- > Provide an anchor layout or rigging plan and system information that includes:
  - Name of designer and qualifications
  - Anchors installed within testing parameters
  - Certification of compatibility of the structure and anchors
  - Requirement to review minimum swing clearances for a fall

### Inspection

- > System to be routinely inspected at least every 6 months in accordance with state regulatory requirements (except NSW being 12-monthly).

### Rescue

- > Rescue plan to be compiled (site specific), if the user can fall or misuse the system.

### Ancillary harness based equipment

- > Use AS/NZS 1891 compliant equipment.

### Access to the system

- > Provide safe access to the anchor system.

### Fully compliant installation

Figure 1.

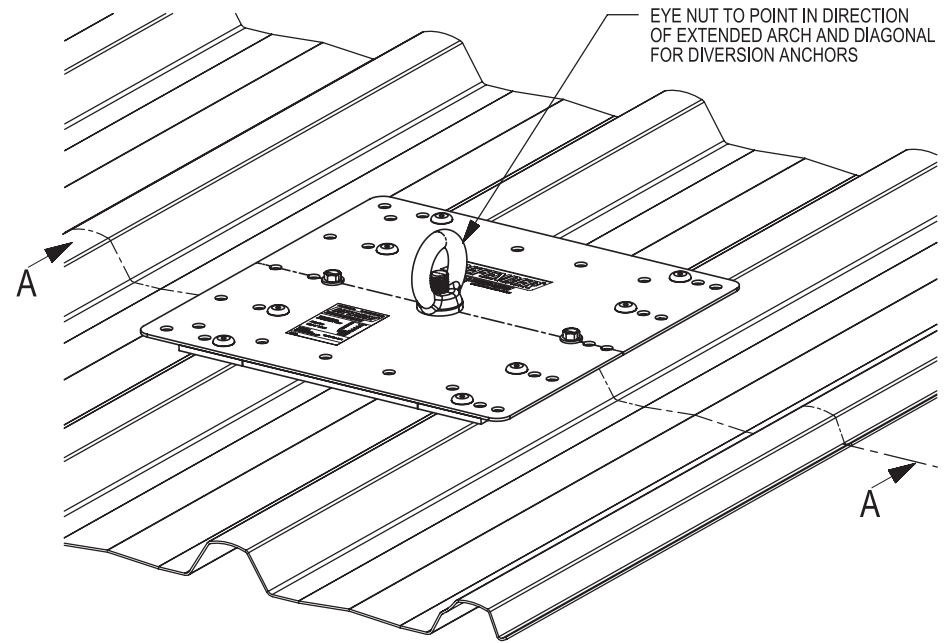
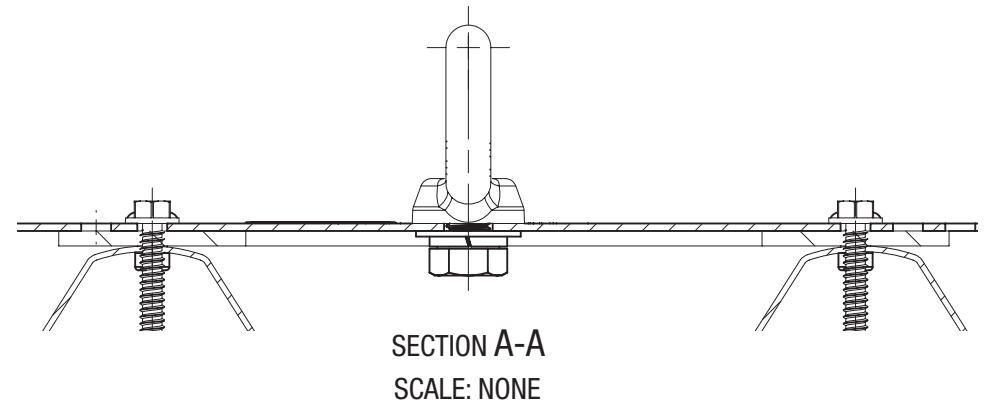


Figure 2.



### Associated products – specifiers: please specify the code

Code	Item
550	Anchor – universal top mount
550.1	3rd party certification
552	Anchor – steel purlin mount
554	Anchor – timber mount with decktite (for tiled roofs)
555	Anchor – concrete mount
556	Anchor – load test
558	Operator manual
559	Roof layout plan – rigging plan
559.1	Rescue plan and procedures
557	Compliance plate
561	Anchor strap
374	Roof entry system

Figure 3. Compliance Plate

<b>WARNING</b>		<b>Harness Attachment Point</b>	
<ul style="list-style-type: none"><li>Only persons who have the necessary competence should use this system.</li><li>Authorisation to access this area must be obtained.</li><li>All safety procedures must be complied with as stated in the current safety codes of practice for working at heights.</li><li>The use of a full body harness with energy absorber complying with AS/NZS 1891.1 must be used when connected to this system.</li><li>In the event of a fall, damage or exposure to chemicals, the system must not be used until it has been inspected and re-certified.</li><li>This system must be inspected every six months. Do not use this system if current date exceeds due service date.</li></ul>			
System installed: Tick <input checked="" type="checkbox"/> or cross <input type="checkbox"/> applicable box.			
<input type="checkbox"/> Anchor Points	No. of persons per anchor: _____		
<input type="checkbox"/> Static Line	No. of persons per line: _____		
<input type="checkbox"/> Other	No. of persons: _____		
Installer/Certifier: _____		<b>workplace access&amp;safety®</b> the fall prevention specialists 1300 552 984	
Identification No: _____		Installed/Certified date: _____	
Next due service date: _____		_____	

Recommended designer, manufacturer, installer and certifier:

**workplace access&safety®**

Telephone 1300 552 984  
www.workplaceaccess.com.au

**DEFENDER™**

DRAWN: MGB	08/03/14	FABRICATION 0-100 ± 1.2
CHECKED: MGB	08/03/14	>100 ± 2.0
APPROVED: CS	08/03/14	MACHINE SURFACES
DO NOT SCALE		SCALE POSITION
ALL DIMENSIONS IN mm		

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