

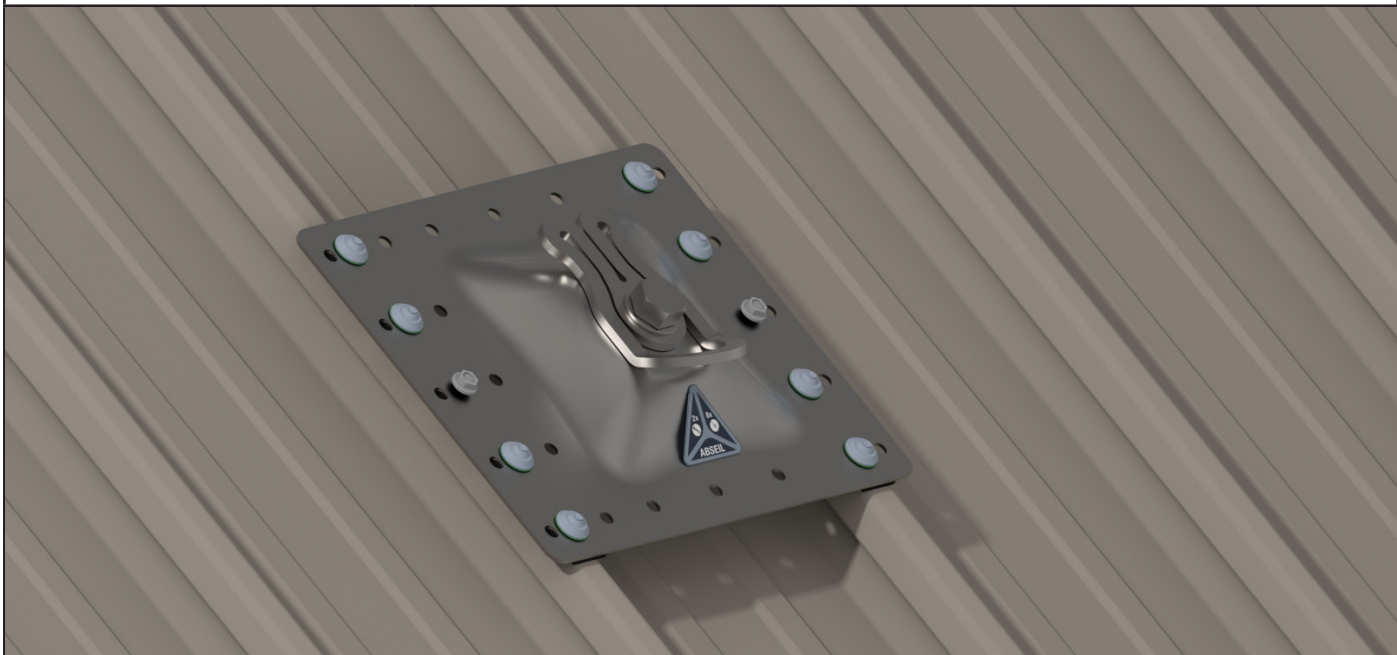


Swivel*Link* Surface Mounted

Anchor Point

Installation and Use

FIGURE 1



PRODUCT CODE:

HSURFABM001 + FIXINGS



SCAN ME

Manual Handbook



SCAN ME

Online Training

Contents

1	Warning	3
2	Specification	3
	2.1 Description.....	3
	2.2 Standard	3
	2.3 User Rating	3
3	Installation	4
	3.1 General.....	4
	3.2 Plate Assembly.....	4
	3.3 Structure requirements	4
	3.4 Fixings.....	5
	3.4.1 Rivets.....	5
	3.4.2 Screws.....	5
	3.5 Screw Down Profiles.....	5
	3.6 Clipping Profile (Kliplok, Speedek Ultra etc)	6
4	Use	10
	4.1 Connecting to the Anchor	10
	4.2 Fall Clearance	10
	4.3 Swing Fall	11
	4.4 Hazards	11
	4.5 Training	11
	4.6 Rescue.....	11
5	Connections	12
	5.1 Making Connection	12
	5.2 Compatibility of Connections.....	12
6	Storage, Transport and Maintenance	13
	6.1 Storage and transport.....	13
	6.2 Maintenance.....	13
	6.2.1 <i>The SwivelLink Surface Mounted Single Point Anchor is non serviceable. The equipment may remain in service until it fails an inspection or is involved in a fall.</i>	13
	6.3 Cleaning	13
7	Inspection	13
	7.1 Before and After Use	13
	7.2 Competent Person	13
	7.3 Procedure.....	13
	7.3.1 Attachment point	13
	7.3.2 Plate.....	13
	7.3.3 Fall Indicators	13
	7.3.4 Energy Absorber	13
	7.3.5 Markings	13

1 Warning

-  ***Improper Use, Installation or Maintenance may result in serious injury or death.***
-  ***The structure or anchorage to which SafetyLink products are to be installed shall be assessed by a professional engineer to ensure it has adequate strength to support the product.***
-  ***SafetyLink products shall be installed, used and maintained in accordance with the applicable SafetyLink installation and use manual.***
-  ***SafetyLink's product shall be used in accordance with the current working at height standards, codes of practice, regulation or legislation in the region of use.***
-  ***During installation, use and maintenance, personnel shall not be exposed to a fall hazard.***
-  ***Installation is to be carried out by, or under the supervision of, a competent person.***
-  ***The installer shall complete the applicable SafetyLink online training modules before installing this product.***
-  ***Connection systems used with SafetyLink Anchor, Lifelines and Rigid Rail Systems shall contain a personal energy absorber.***
-  ***Do not carry out any modifications to this product without written permission from SafetyLink.***

2 Specification

2.1 Description

The SafetyLink SwivelLink Surface Mounted is a permanent single point anchor suitable for installation on metal and timber roof structures.

2.2 Standard

The SwivelLink Surface Mounted is compliant with AS/NZS 5532:2013. Contact SafetyLink for further information on compliant roof profiles. This anchor is suitable for use as part of an AS/NZS1891.4 fall protection system.

2.3 User Rating

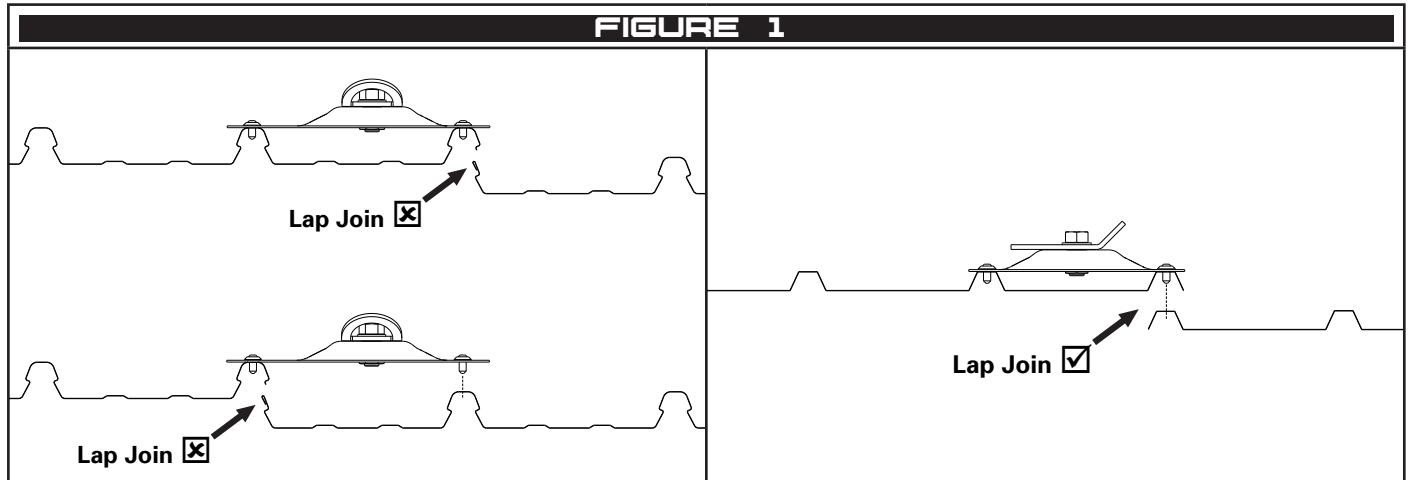
The SwivelLink Surface Mounted is rated to 15kN and suitable for a single user. This product is suitable for fall arrest and live loading or abseil applications subject to extra installation requirements.

-  ***Free fall shall not exceed 2 metres.***

3 Installation

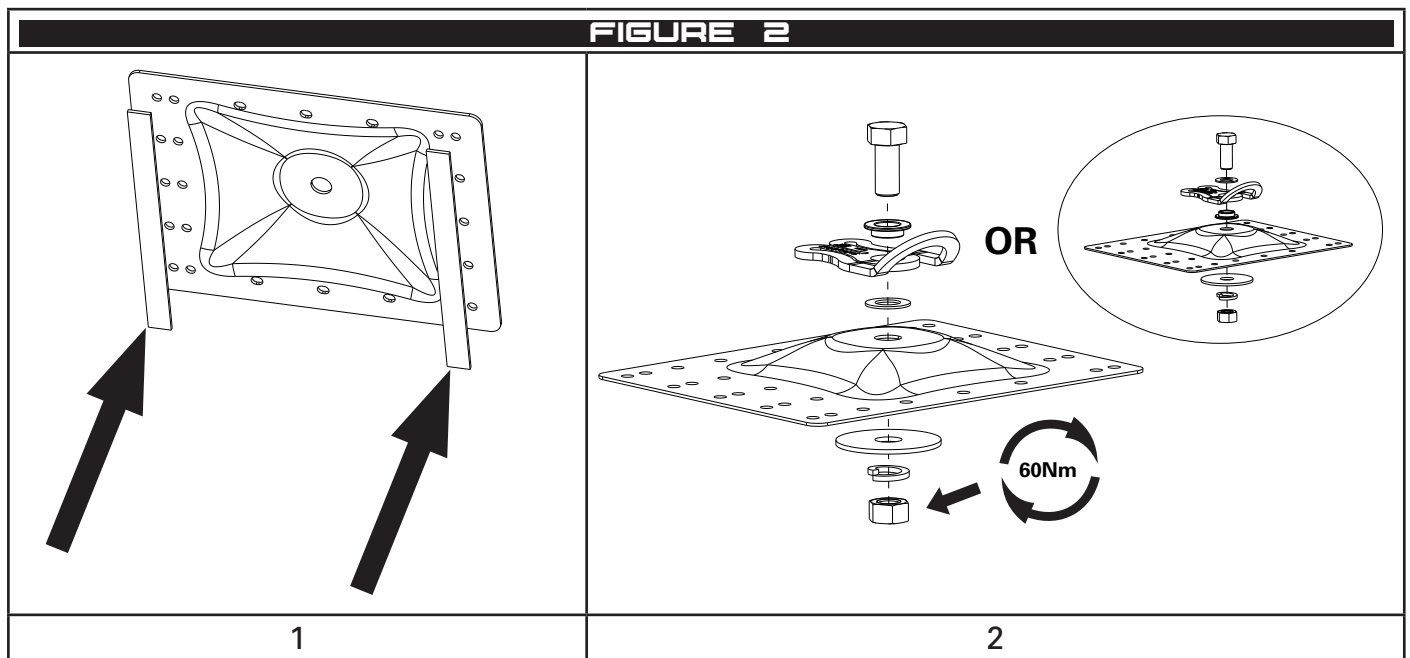
3.1 General

- ⚠** *Only ever install rivets or screws in to a lap join of two sheets if the rivets or screws penetrate both sheets.*



3.2 Plate Assembly

- 1 Apply the water proofing strips to all screw or riveting locations that will be used for installation.
- 2 Assemble the swivel anchor to the plate with the supplied 35mm M16 bolt, swivel bush, M16 washer, 70mm stainless steel washer, M16 spring washer and M16 nut. Tighten the nut to 60Nm.



3.3 Structure requirements

Inspect the structure to determine if it is suitable for installation (see below). Structure shall be free of damage, corrosion, rot, white ants, split timber or anything that may affect the strength of the structure. Structure shall be in accordance with local building codes.

- ✓ The roof shall contain at least 3 rafters or purlins unless specified otherwise.
- ✓ Maximum rafter or purlin spacing of 1200mm.
- ✓ Steel purlins shall be a minimum of 150mmx1.5mm.
- ✓ Timber rafters shall be a minimum of 90x35mm with 70x45mm battens MGP10 or F7.
- ✓ Minimum roof sheet thickness of 0.42mm for steel and 0.7mm for aluminium.

For other configurations please contact SafetyLink for further information.

3.4 Fixings

3.4.1 Rivets

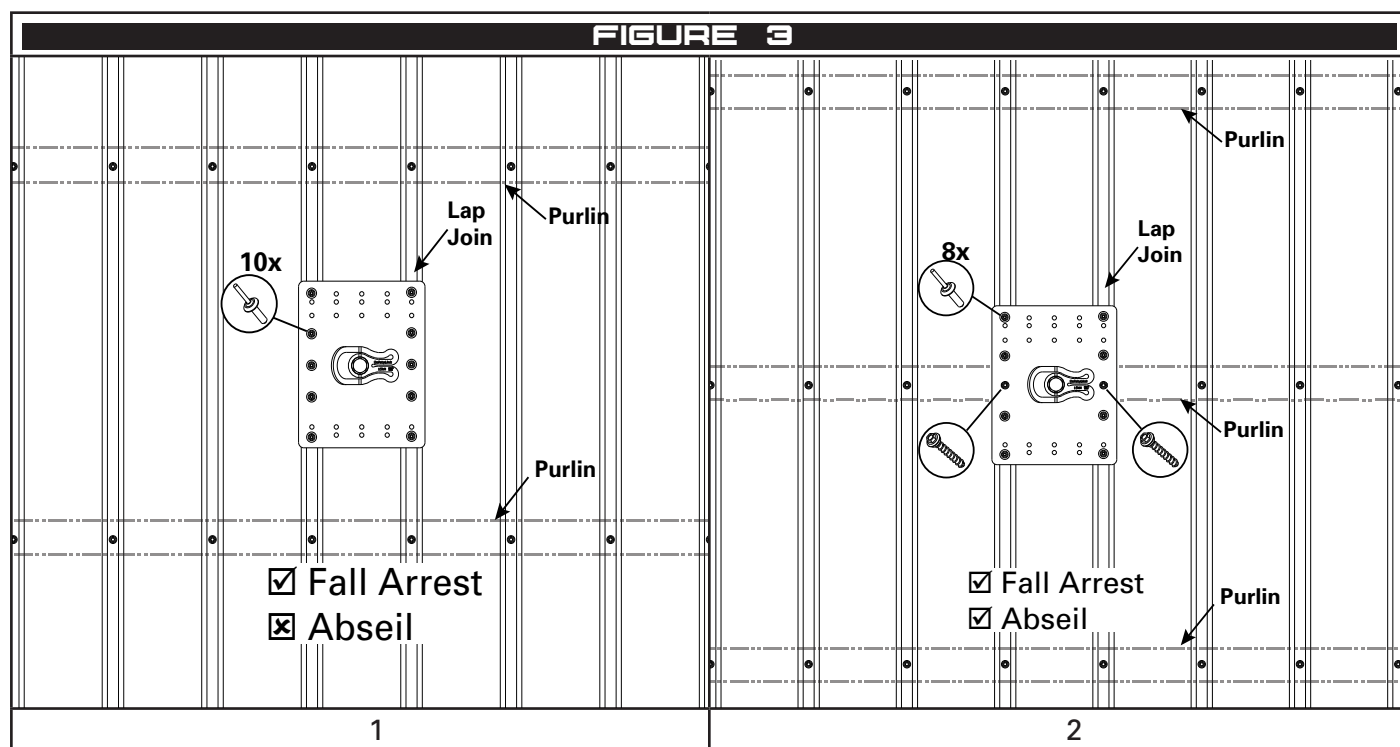
Where rivets are used to fix surface mounted plates, 8mm aluminium trifold rivets shall be used. Holes for rivets must be drilled at 8mm. Care should be taken to ensure that the rivets have correctly deployed.

3.4.2 Screws

Where screws are used to fix a surface mounted plate to the structure or to secure the sheet to the structure, 14 gauge screws of suitable length shall be used. For metal, the screw threads must engage the metal purlin or batten. For timber, the screws must penetrate the timber by a minimum of 35mm.

3.5 Screw Down Profiles

- 1 For fall arrest applications where the roof sheeting is screwed to the structure, the plate must be installed on a lap joint and there must be a screw line above and below the plate.
- 2 If the anchor is intended for abseil applications, the plate must be installed on the screw line with the centre two rivets being replaced by screws. The plate must be installed on a lap joint and there must be a screw line above and below the plate.
- 3 Apply the correct sticker (Fall arrest or Abseil) to indicate the intended use of the anchor.



3.6 Clipping Profile (Kliplok, Speedek Ultra etc)

A If the plate is to be installed without additional fixings the anchor shall;

- I Be more than 3m from any edge,
- II On a roof containing at least 6 purlins, and
- III On a roof containing at least 3 sheets,

Abseil applications require the centre two fixings of the plate to be 14 Gauge screws into the purlin.

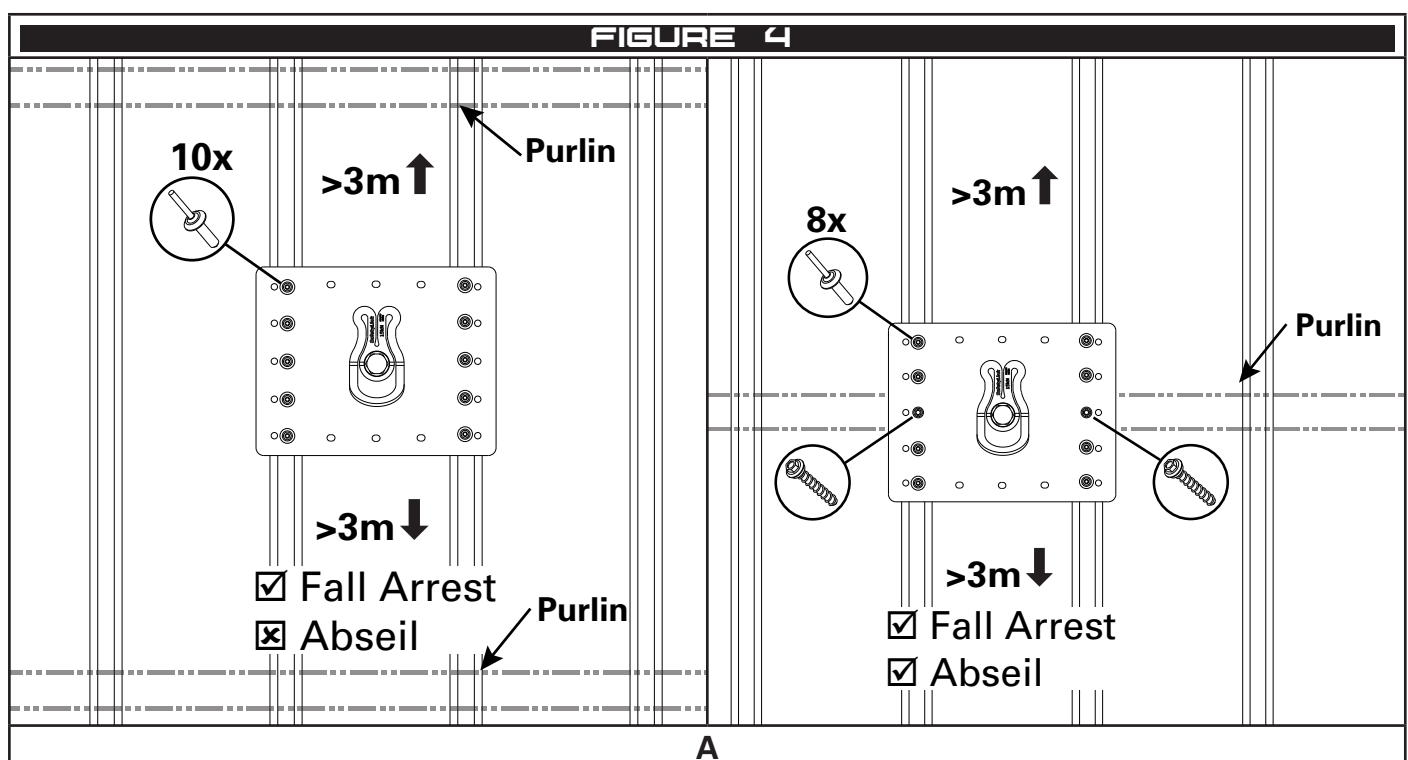
B If the plate is to be installed within 3m of an edge, additional fixings shall be installed through the sheet the plate is on, in to the structure, between the plate and the edge. This must be done for each edge within 3m of the plate. The additional fixings can be;

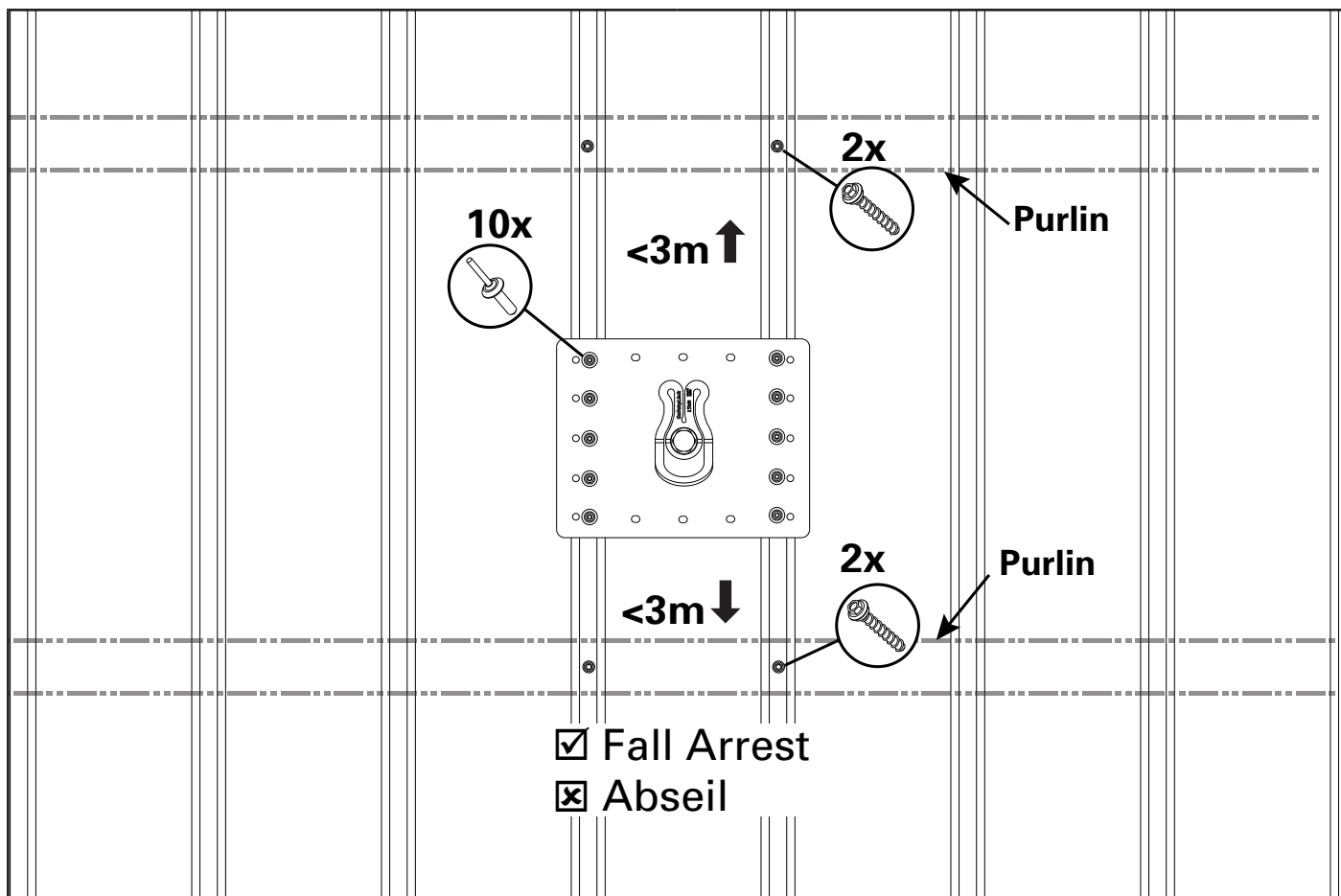
- I 4x 12-Gauge screws through the crest of the sheet, 2 above and 2 below the anchor
- II 4x 12-Gauge screws in the pan of the sheet
- III 4x 8mm tri-fold rivets in the pan of the sheet

C If the plate is to be installed within 3m of an edge, the plate can be installed with 8 rivets and 2 screws through the centre holes in the plate into the purlin or batten below. This installation is suitable for fall arrest or abseil.

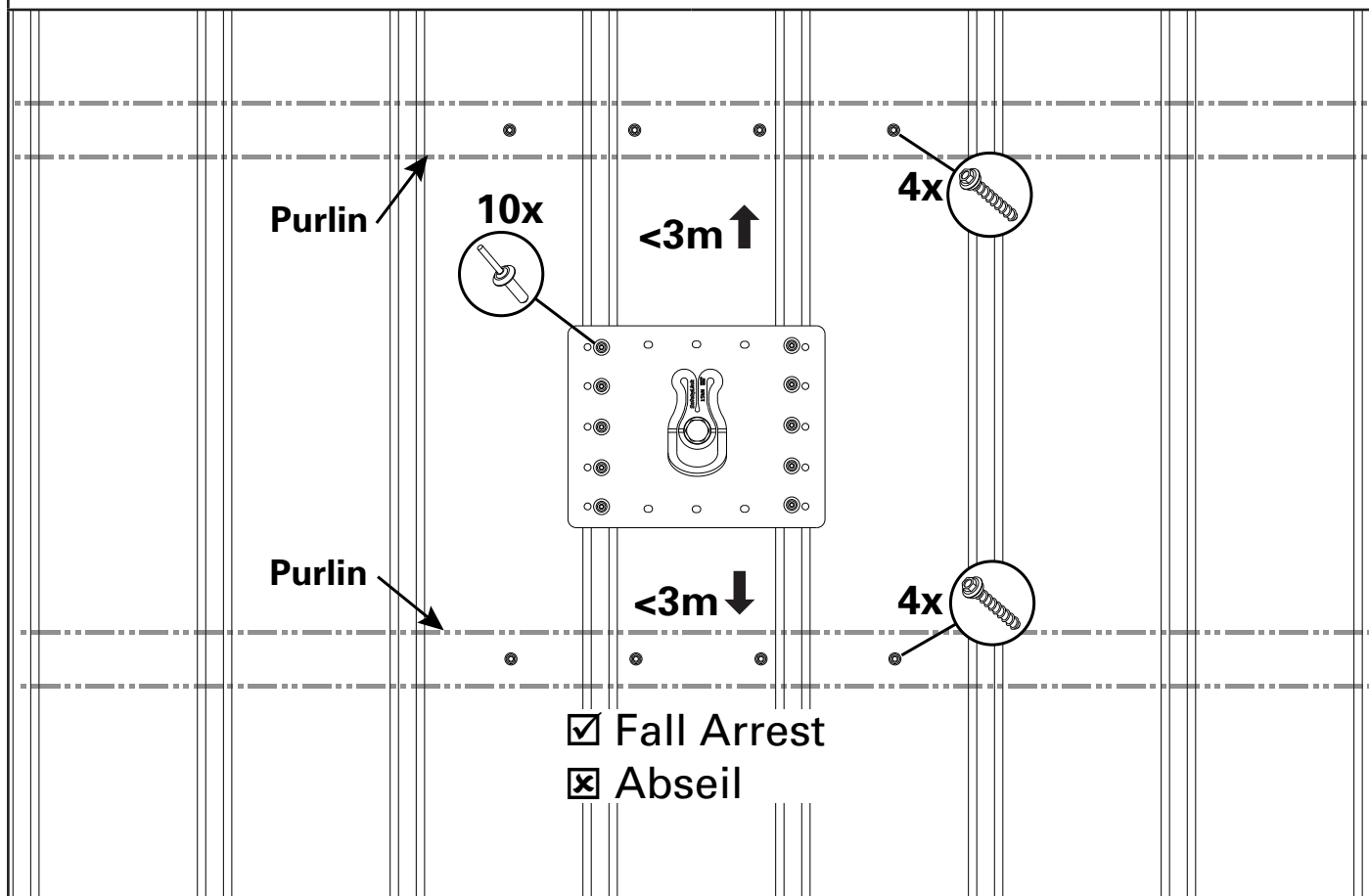
D If the plate is to be installed within 3m of ridge capping or flashing, this can be assessed by a competent person to determine suitable strength as a substitute to additional securing fixings

Apply the correct sticker (Fall Arrest or Abseil) to indicate the intended use of the anchor.

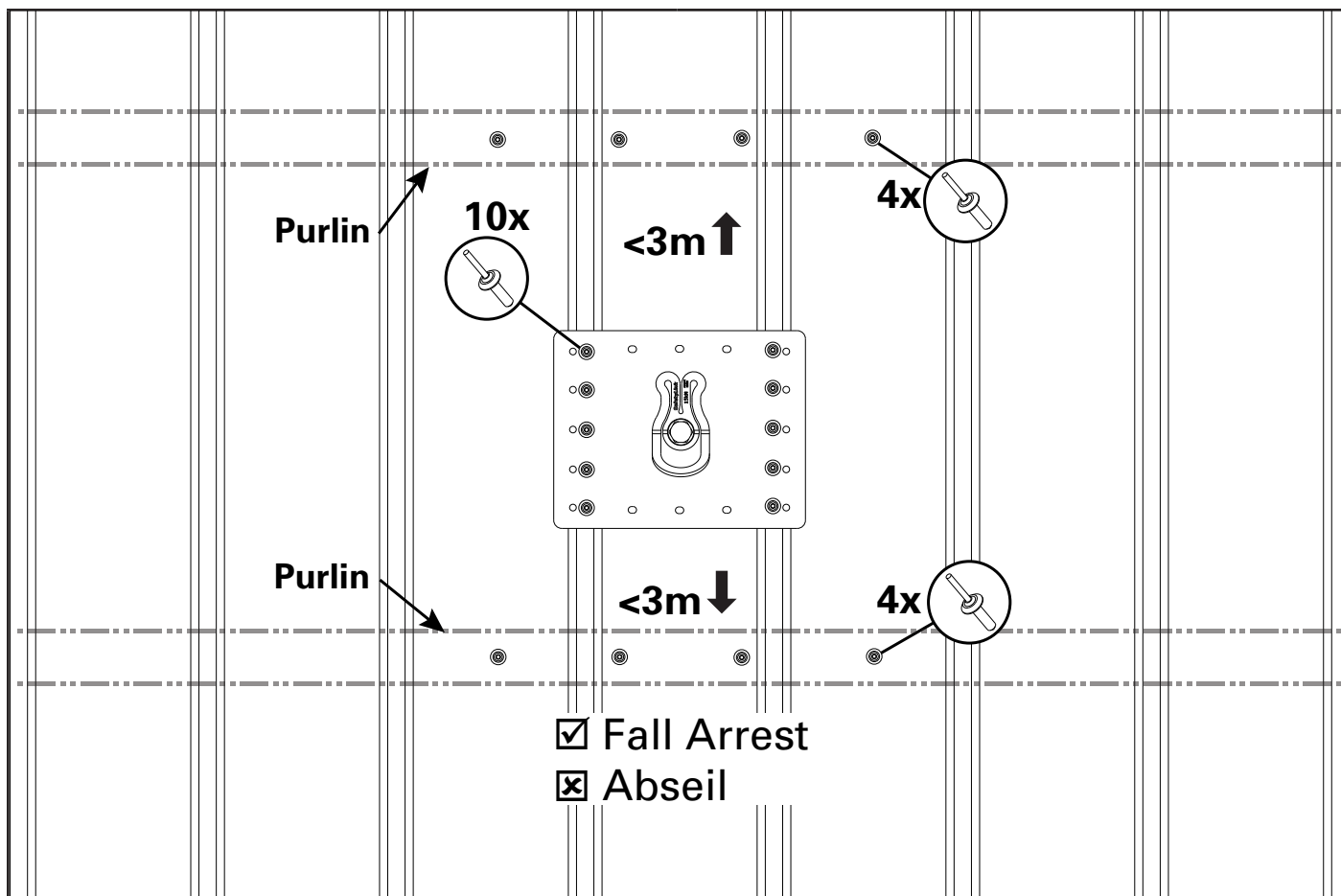




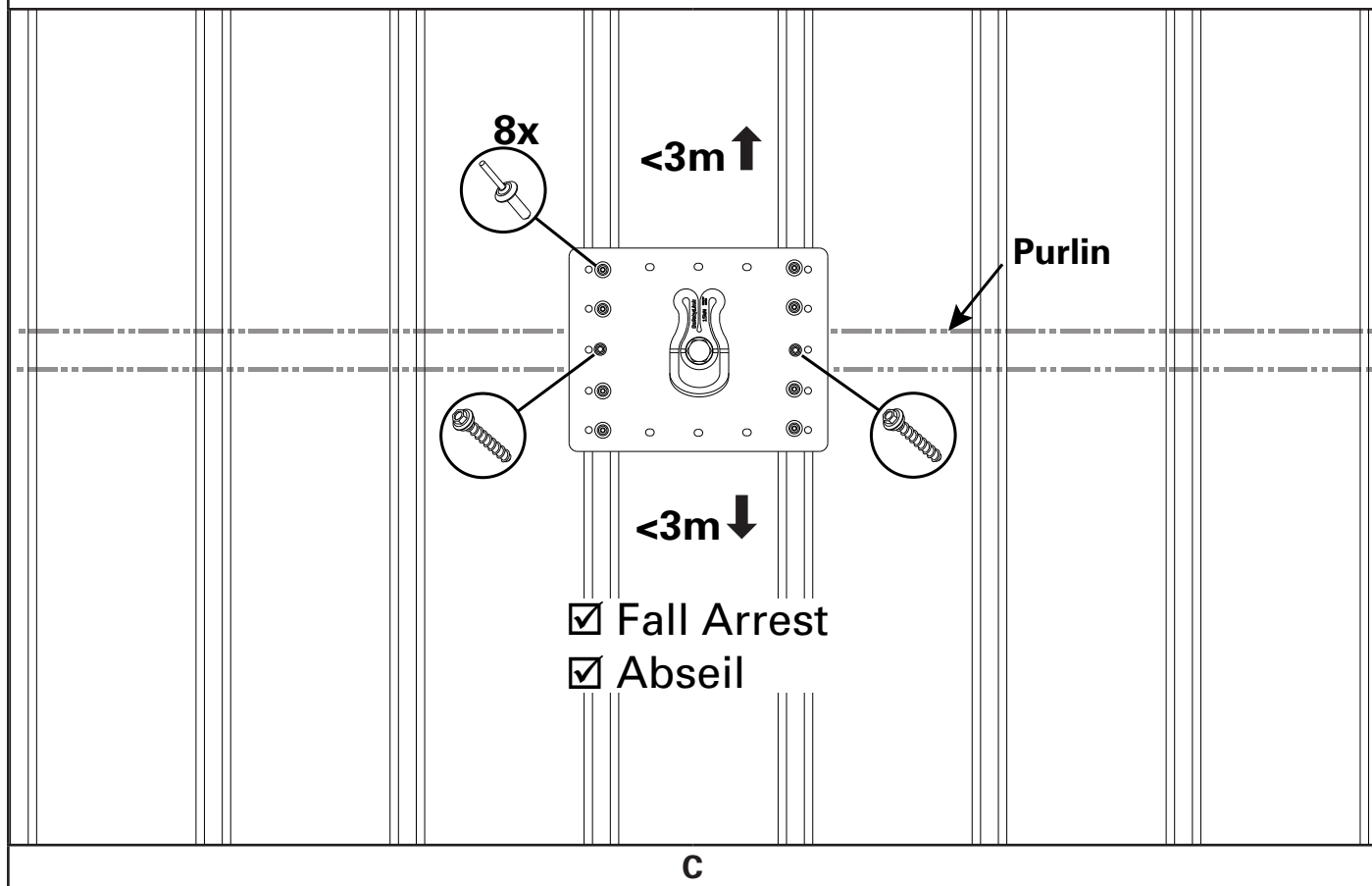
B I



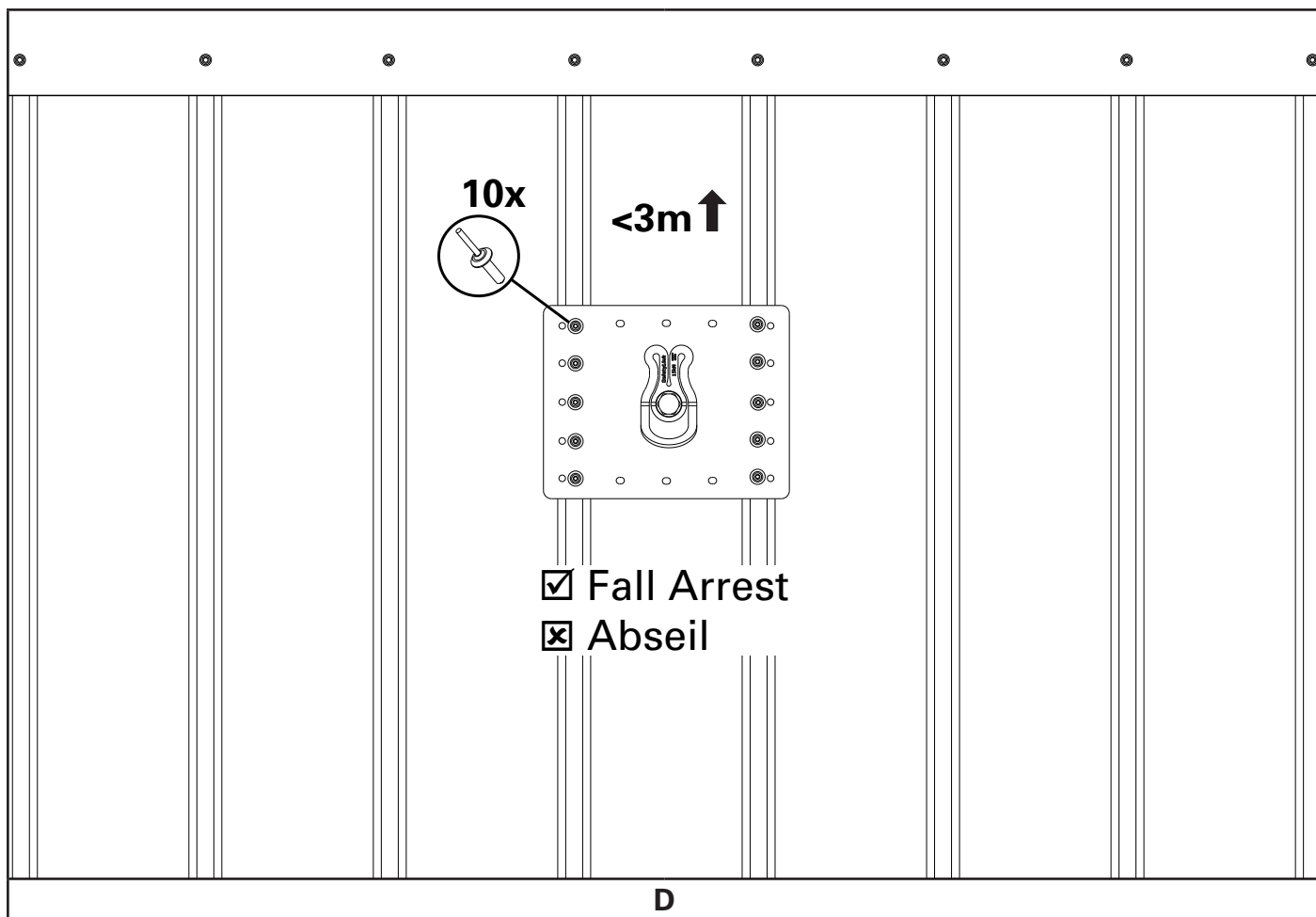
B II



B III



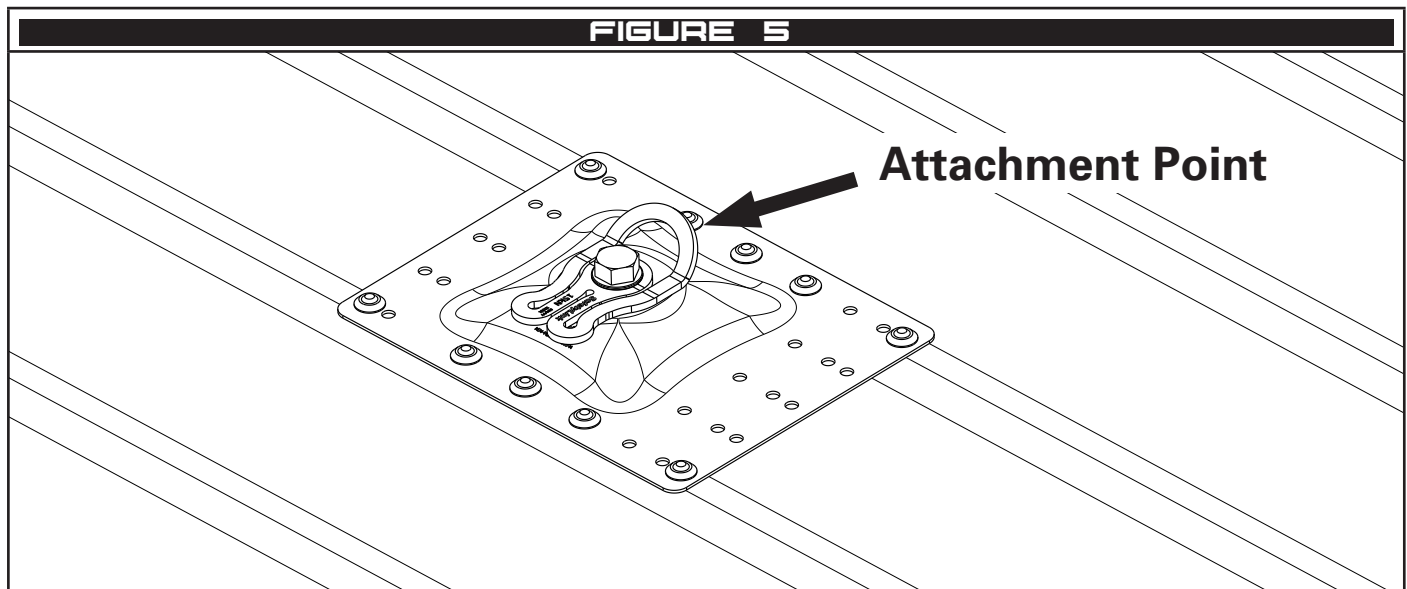
C



4 Use

4.1 Connecting to the Anchor

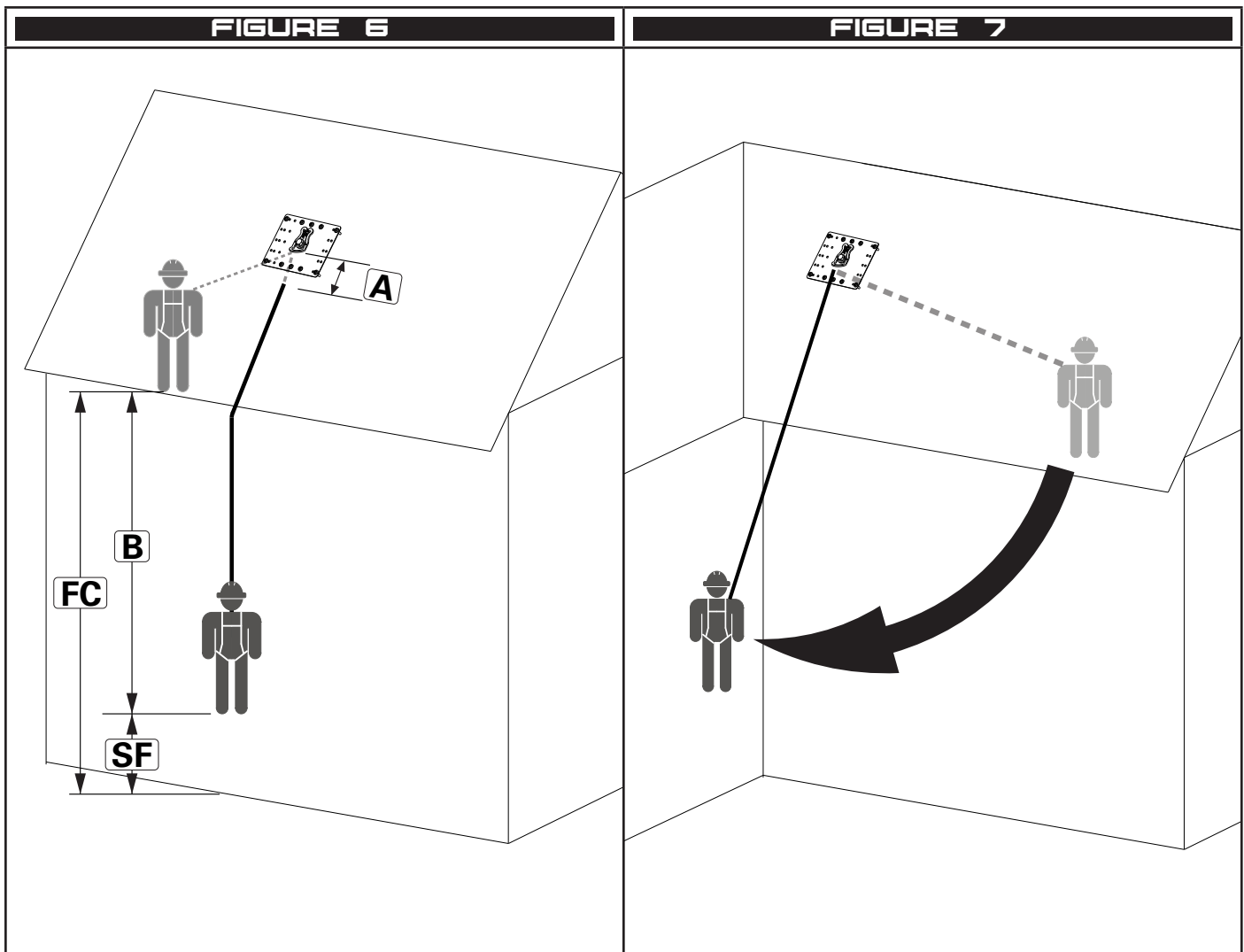
- 1 Inspect the product and structure as per this instruction manual.
- 2 Connect the users fall arrest system to the attachment point on the product.
- 3 The product may be used with a fall direction in any direction around the product.



-  ***This product is for a single user. Do not attach multiple users to this product.***
-  ***The connecting system shall contain a personal energy absorber.***
-  ***Do not attach to any other point on the SwivelLink Surface Mounted other than the specified attachment point.***
-  ***Use of incompatible connectors may lead to forced roll out and unintentional disconnection.***
-  ***Always consult the connecting system manufacturer's instruction to ensure it is suitable for use with this equipment.***
-  ***During use always allow for the required fall clearance, swing fall and hazards present in the work place.***
-  ***Do not load this anchor outside the plan of the roof surface.***

4.2 Fall Clearance

When planning your fall protection system, it is important to accurately assess all components of your system in order to avoid injury. Figure 6 provides guidance on how to calculate fall clearance. In Figure 6, (A) represents the deflection SwivelLink Surface Mounted (80mm Max), (B) represents free fall, energy absorber deployment as well as the estimated D-ring slide of the harness (Refer the manufacturer's information), (SF) represents the recommended safety factor of 1m, (FC) represents the total allowable fall clearance. For safe use (FC) shall always be greater than $A+B+SF$.



4.3 Swing Fall

Working off centre of an anchor point may cause a swing fall. See Figure 7. Fall protection systems shall be setup in such a way to limit swing fall.

⚠ The force of striking an object during a swing fall may result in serious injury or death.

4.4 Hazards

Use of this equipment in the presence of hazards may cause damage to the equipment and/or result in the function of the equipment being impeded. These hazards include but are not limited to; extreme temperature, sharp edges, chemical reagents, electrical conductivity, abrasion, cutting, climatic exposure and rotating or moving machinery.

4.5 Training

It is essential that all users are trained in the proper inspection, setup and use of this equipment. It's the responsibility of the user to ensure they are trained in the correct use of this equipment and understand the limitations of its use.

⚠ Incorrect use of this equipment may result in serious injury or death.

4.6 Rescue

It is the responsibility of the user of this equipment and their employer to have a suitable rescue plan and the ability to implement it at any time during setup and use of this equipment.

5 Connections

5.1 Making Connection

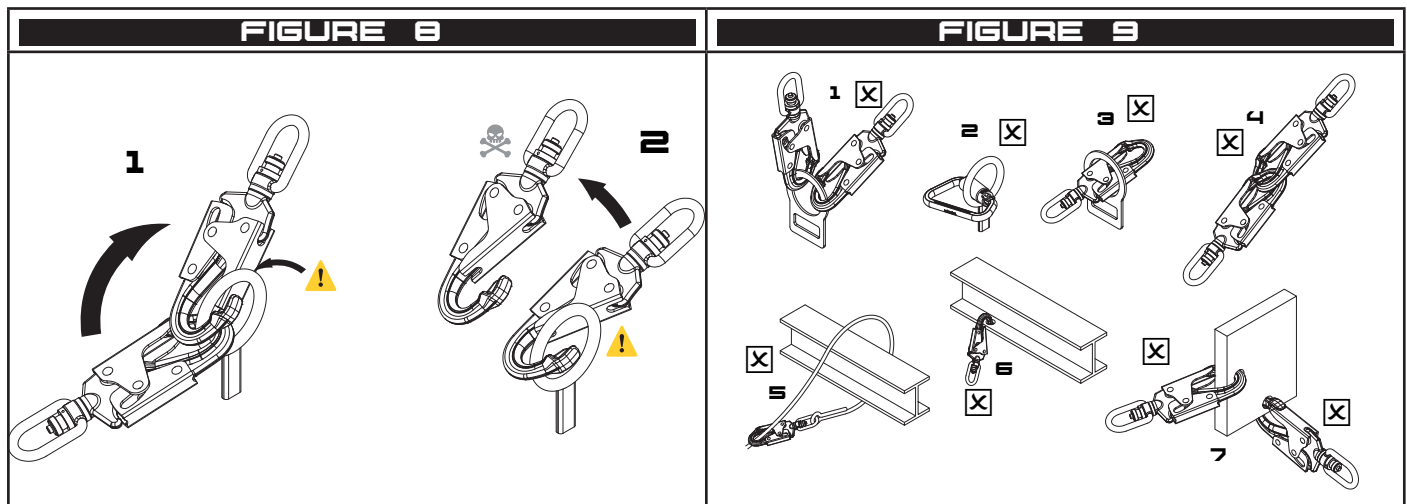
Only make compatible connections. Always ensure connectors close and lock correctly before use. Below and Figure 9 are examples of unsuitable connections;

- 1 To an anchor or D-ring which has another connector attached.
- 2 In a position that will apply load to the gate mechanism.
- 3 By passing the connection through the attachment.
- 4 Connecting a connector to another connector.
- 5 Around a structure and back to the lifeline.
- 6 To an attachment that will limit the function of the gate.
- 7 To a location that will not load the connector as designed.

5.2 Compatibility of Connections

Connection made to and with this equipment shall be compatible. Connector shall be compatible shape, size and equivalent rating in order to ensure a compatible connection is made. Incompatible connections may cause loading of the gate mechanism leading to unintentional disengagement. See Figure 8. Connectors shall be compliant with EN362 and auto closing and locking.

⚠ Making incompatible or unsuitable connection may result in unintentional disengagement of the connector resulting in serious injury or death.



6 Storage, Transport and Maintenance

6.1 Storage and transport

This equipment shall be stored and transported in a cool, dry environment, away from any hazards and out of direct sunlight.

6.2 Maintenance

6.2.1 The SwivelLink Surface Mounted Single Point Anchor is non serviceable. The equipment may remain in service until it fails an inspection or is involved in a fall.

 ***Do not attempt to modify or disassemble this product.***

6.3 Cleaning

The SwivelLink Surface Mounted may be cleaned by the end user periodically to increase service life. After cleaning, the product shall undergo the pre-use inspection. Clean with a rag and warm water to remove dirt and grit. A mild detergent may be used to remove grease or oils from the product.

 ***Do not store this product when wet. Allow the product to dry and conduct a pre-use inspection prior to returning the item to service.***

7 Inspection

7.1 Before and After Use

The SwivelLink Surface Mounted Single Point Anchor shall be inspected before and after each use by the user.

7.2 Competent Person

A competent person shall inspect the product at least every 12 months.

7.3 Procedure

7.3.1 Attachment point

Inspect for damage, deformation, corrosion or signs of over loading.

7.3.2 Plate

Inspect for damage, deformation, corrosion or signs of over loading.

7.3.3 Fall Indicators

Inspect the fall indicator marks Figure 10. Misalignment indicates the anchor has been overloaded.

7.3.4 Energy Absorber

Inspect the serpentines lay flat and inline with the product. Inspect the energy absorber is free of cracks, dirt, debris, defects, damage, deformation, corrosion, signs of over loading.

7.3.5 Markings

Inspect all markings are present and legible. Figure 11

INSPECTION RECORD			
Product Code		Date of Manufacture	
Serial or Batch No.		Date of Install	
Inspector		Date of Inspection	
PROCEDURE	INSPECTION	USER	COMPETENT PERSON
7.3.1	Attachment point	☐	☐
	Comments:		
7.3.2	Plate	☐	☐
	Comments:		
7.3.3	Fall Indicators	☐	☐
	Comments:		
7.3.4	Energy Absorber	☐	☐
	Comments:		
7.3.5	Markings	☐	☐
	Comments:		

FIGURE 10

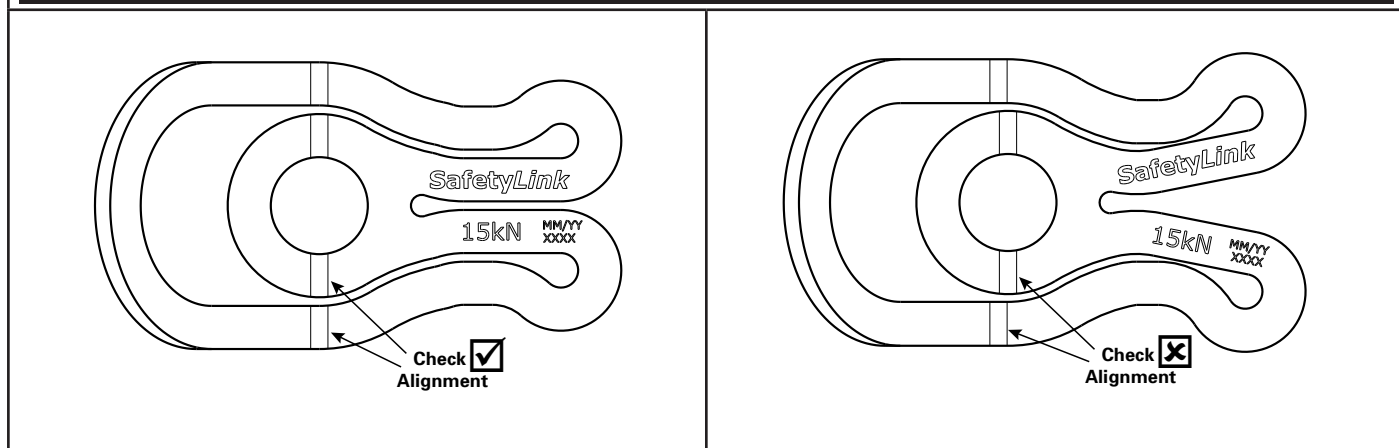
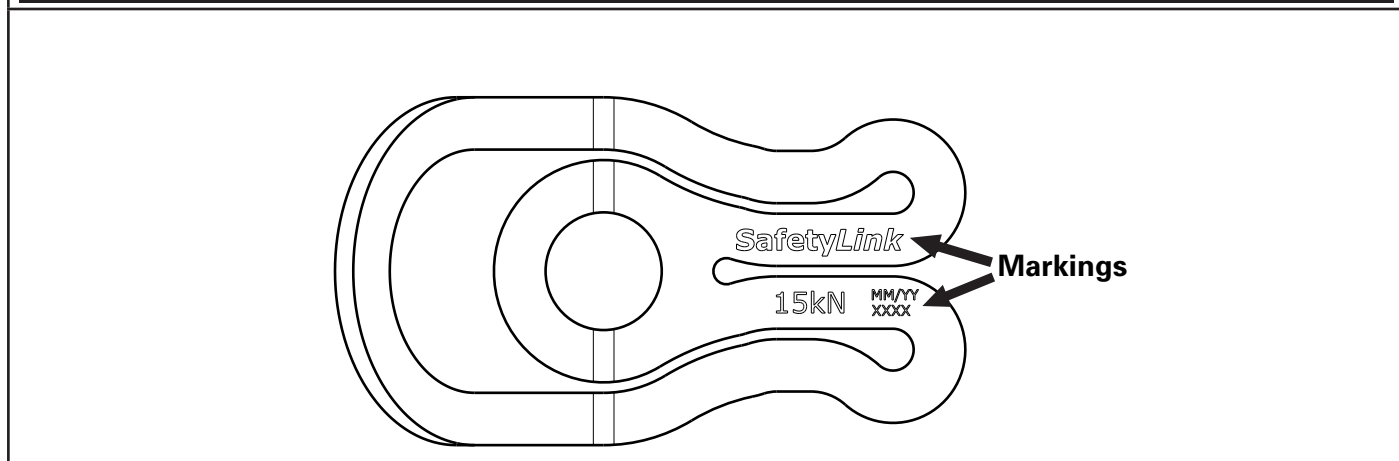


FIGURE 11



WARRANTIES

EXTRACT: SAFETYLINK PTY LTD STANDARD TERMS AND CONDITIONS

- 1.1 To the extent permitted by law all implied conditions, warranties and undertakings are expressly excluded.
- 1.2 Except as provided in this clause the Company shall not be liable for any loss or damage, whether direct or indirect (including consequential losses or damage) arising out of any breach of contract by the Company or any negligence of the Company, its employees or agents.
- 1.3 Should the Company be liable for a breach of a guarantee, condition or warranty implied by the Australian Consumer Law (not being a guarantee, condition or warranty implied by sections 51, 52 and 53 of that Law) then its liability for a breach of any such condition or warranty express or implied shall be limited, at its option, to any one or more of the following.
- A in case of Goods
- I the replacement of the Goods or the supply of equivalent Goods.
 - II the repair of the goods,
 - III the payment of the cost of replacing the Goods or acquiring equivalent Goods.
 - IV the payment of the cost of having the Goods repaired. Provided that any such Goods are returned to the Company by the Purchaser at the Purchaser's expense.
- B in the case of services
- I the supply of the services again,
 - II the payment of the cost of having the services supplied again.
- 1.4 The Company is not liable for the costs of recovery of the Goods from the field, loss of use of the Goods, loss of time, inconvenience, incidental or consequential loss or damage, nor for any other loss or damage other than as stated above, whether ordinary or exemplary, caused either directly or indirectly by use of the Goods.
- 1.5 The Company warrants that at the time of shipment, Products manufactured by it will be free from defects in material and workmanship. In the absence of a modified written warranty, the Company agrees to making good any such defects by repairing the same or at the Company's option by replacement, for a period of (1) one year from the date of shipment. This limited warranty applies provided that:
- a defects have arising solely from faulty materials or workmanship;
 - b the Products have not received maltreatment, inattention or interference;
 - c the Products have been installed in accordance with the Company's Installation Handbooks using only products supplied by the Company;
 - d accessories used with the Products are manufactured by or approved by the Company
 - e the Products are maintained in accordance with Australian Standard 1891.4 (section 9).
 - f you notify any claim under this warranty to SafetyLink in writing to the address below no later than 14 days after the event or occurrence concerning the produce giving rise to the claim and you pay all costs related to your claim.

This warranty does not apply to any defects or other malfunctions caused to the Goods by accident, neglect, vandalism, misuse, alteration, modification or unusual physical, environment or electrical stress.

Please note that the benefits to the purchaser (as a consumer) given by this warranty are in addition to your other rights and remedies under the Australian Consumer Law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

1.6 If any goods are not manufactured by the Company, the guarantee of the manufacturer thereof shall be accepted by the Purchaser as the only express warranty given in respect of the goods.

1.7 Except as provided in this clause 11, all express and implied warranties, guarantees and conditions under statute or general law as the merchantability, description, quality, suitability or fitness of the Products for any purpose or as to design, assembly, installation, materials or workmanship or otherwise are hereby expressly excluded (to the extent to which they may be excluded by law).

PLEASE SEE SAFETYLINK PTY LTD FULL STANDARD TERMS OF CONDITIONS OF SALE FOR FURTHER REFERENCE.



SafetyLink Pty Ltd | ABN 83 081 777 371 | www.safetylink.com

Head Office: 54 Bonville Ave, Thornton, 2322, NSW, Australia

1300 789 545 | +61 2 4964 1068

Asia-Pacific/The Americas | info@safetylink.com

Europe/Africa/Middle East | europe.sales@safetylink.com

Northern Europe | uk.sales@safetylink.com