



V-Line

SRL Anchor

Installation and Use

Figure 1

<p>VLINE.SRL.KIT</p>	<p>VLINE.SRL.ANCHOR GALVANISED STEEL</p>
<p>VLINE.SRL.ROPE UV STABILISED PE</p>	<p>VLINE.SRL.PULLEY GALVANISED STEEL AND NYLON</p>

1 Warning

- ⚠ Improper Use, Installation or Maintenance may result in serious injury or death.**
- ⚠ The building or structure for the anchorages and Lifelines should be assessed by an engineer to ensure that the structure is adequate for V-Line installation works.**
- ⚠ SafetyLink's Height Safety Systems must only be installed as per our installation guides, to structures as specified in the installation manual for each product.**
- ⚠ All safety procedures must be complied with in accordance with the current safety code(s) of practice(s) for working at heights in your region. Ensure safety at all times by being attached to suitable anchor points and approved safety equipment or approved scaffolding.**
- ⚠ Installation is to be carried out by, or under the supervision of, a competent person.**
- ⚠ A personal energy absorber or a fall-arrest device with a personal energy absorber must be used in conjunction with all SafetyLink Anchorages and Lifeline systems.**
- ⚠ Do not carry out any modifications on this system without written permission by SafetyLink Pty Ltd.**

2 Specification

2.1 Description

The SafetyLink V-Line SRL Anchor is a single point anchor designed to be installed on the rungs of a ladder.

2.2 Standard

The V-Line SRL Anchor System is compliant with AS/NZS 5532, EN795 TYPE A and OSHA 1926.502 and 1910.140.

2.3 User Rating

The V-Line SRL Anchor is rated for 1 user per system.

Figure 2			
	EN 795	AS/NZS 5532	OSHA
User Minimum	50kg	50kg	59kg (130lb)
User Maximum	150kg	150kg	140kg (310lb)
Minimum breaking strength	12kN	15kN	16kN (3600lb)

3 Installation

3.1 System Design

3.1.1 General

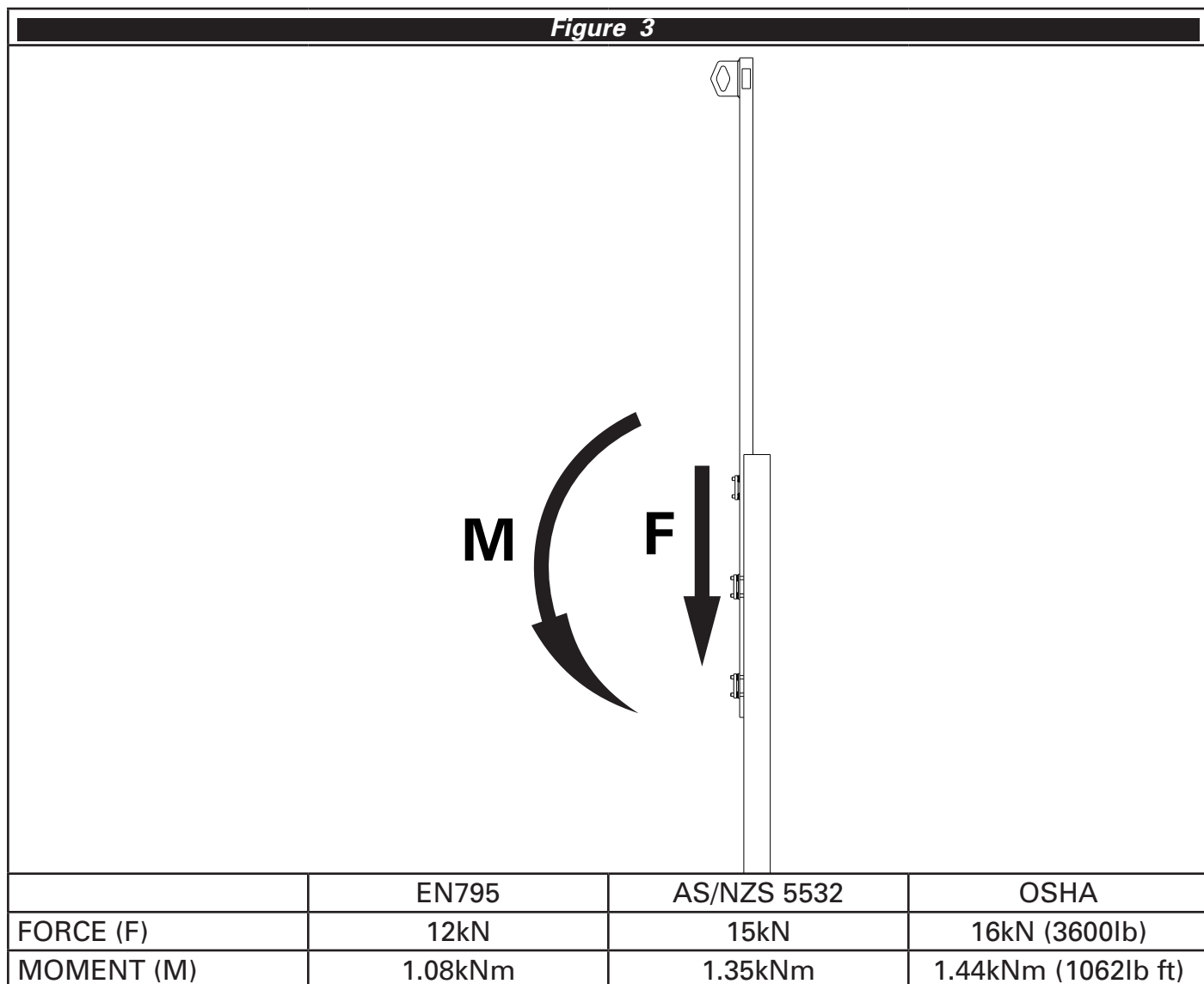
Systems shall be designed to limit free fall, swing fall and maximise fall clearance. Where possible, systems should be installed as close to the centre of the ladder or climbing zone as possible.

3.1.2 Structure Capacity

The supporting structure and fixings used shall be capable of sustaining the load cases in Figure 3.

⚠ All load cases shall be considered by a trained engineer.

⚠ The below cases represent the standard installation configurations, specific installations may require additional load case investigation.



3.2 Fixings

3.2.1 General

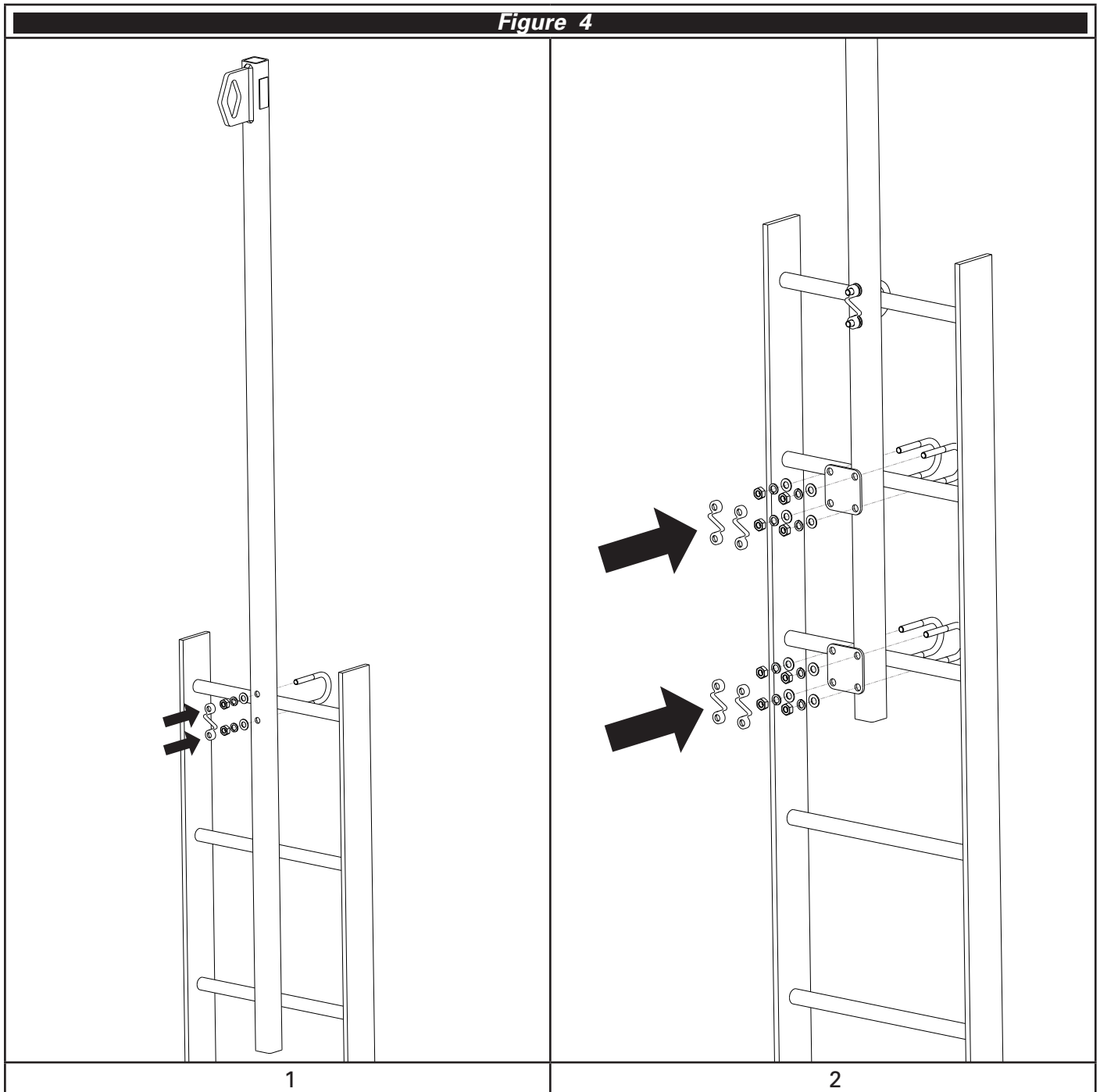
All fixing used to attached the V-Line system to the substrate supplied by SafetyLink are M10 Galvanised steel U-Bolts. Fixing shall be installed with a flat washer, spring washers and nut tightened to 40Nm. Nut tension indicator provided can be installed to assist inspections.

3.3 Installation

3.3.1 Anchor

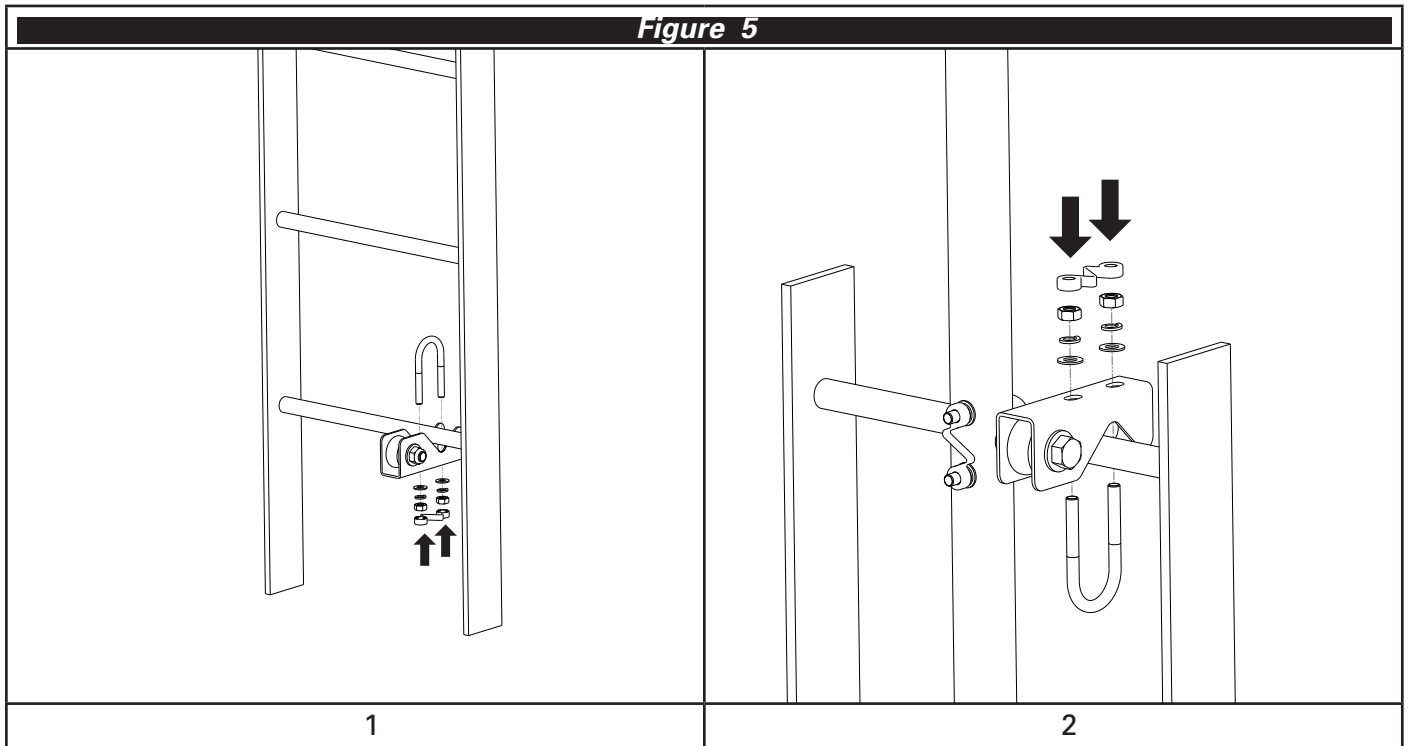
- 1 Position the tube on the top rung with the attachment point facing away from the ladder and install the supplied U-bolt capturing the top rung.
- 2 On the second and third rungs, install the supplied U-bolt and plate kits capturing the rung and the anchor tube. The tube shall be within 5° of vertical.

Figure 4



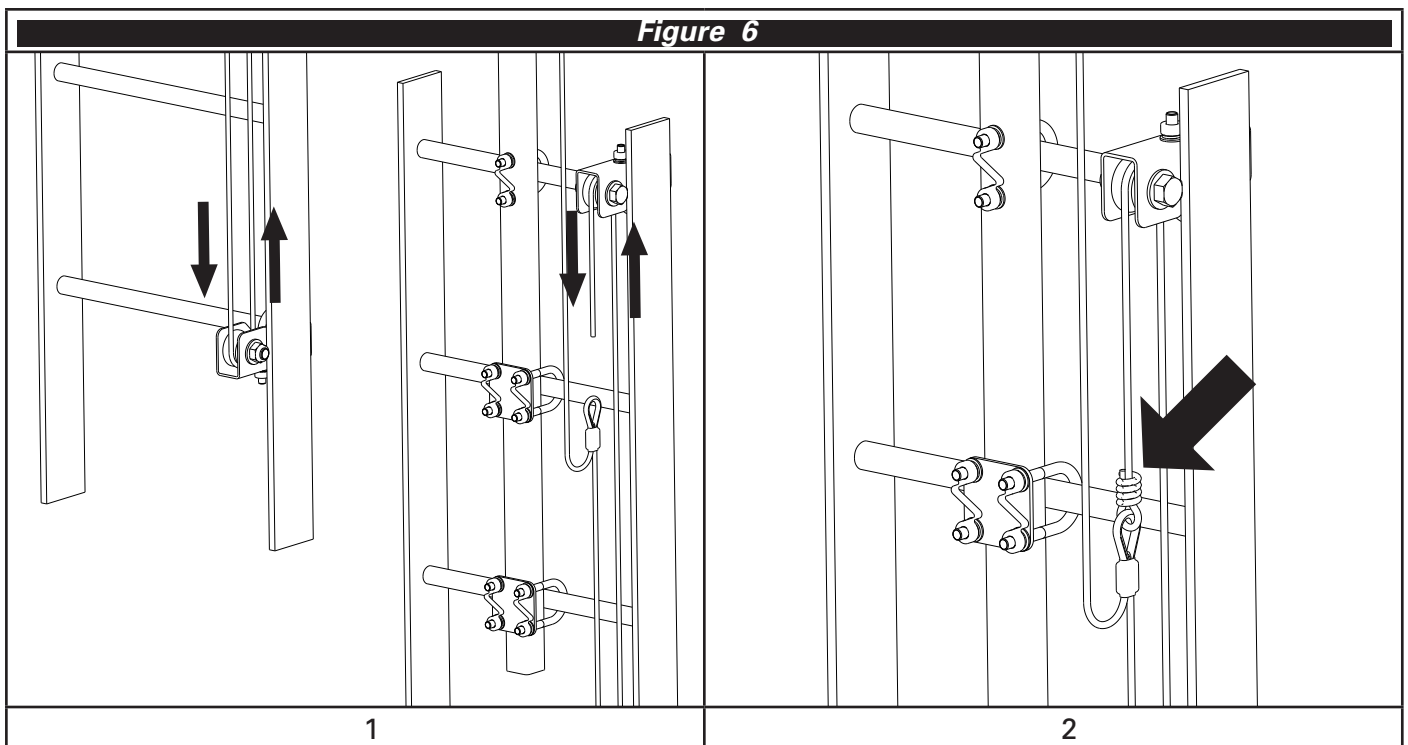
3.3.2 Pulleys

- 1 On the bottom rung install a pulley with the pulley sheave facing up.
- 2 On the top rung install the other pulley with the sheave facing down.



3.3.3 Rope

- 1 Pass the rope through the bottom pulley and up over the top pulley.
- 2 Terminate the rope by tying a thumb or barrel knot through the eyelet in the rope. Any remaining rope can be cut off.

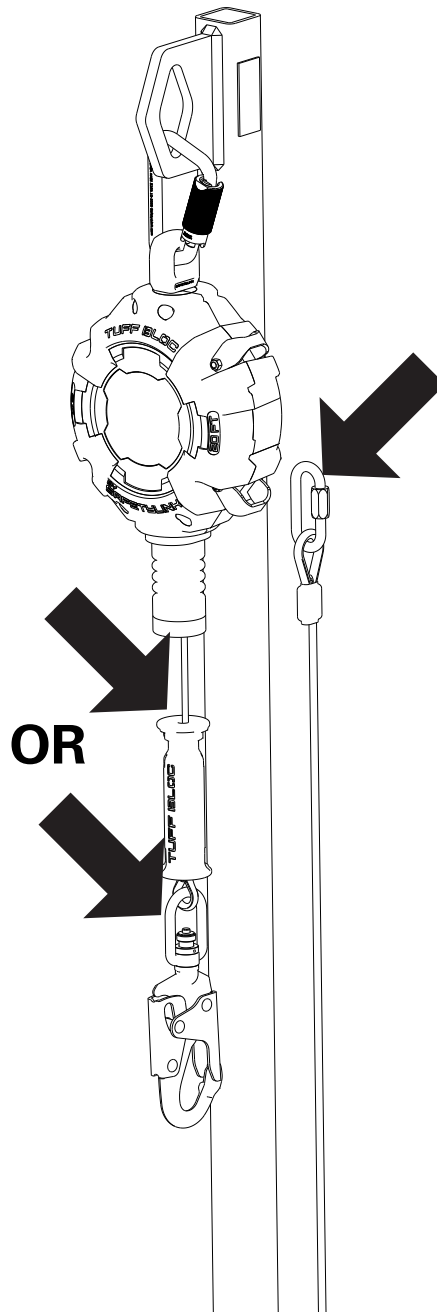


3.3.4 SRL Connection

Connect the rope to the SRL with the quick link provided. The connection can be made to the eye of the hook or to the cable of the SRL.

⚠ *The connection to the SRL shall not be made in a way that will impede the function of the SRL. Consult the manufacturer for details of where a suitable connection can be made.*

Figure 7



4 Limitations of Use

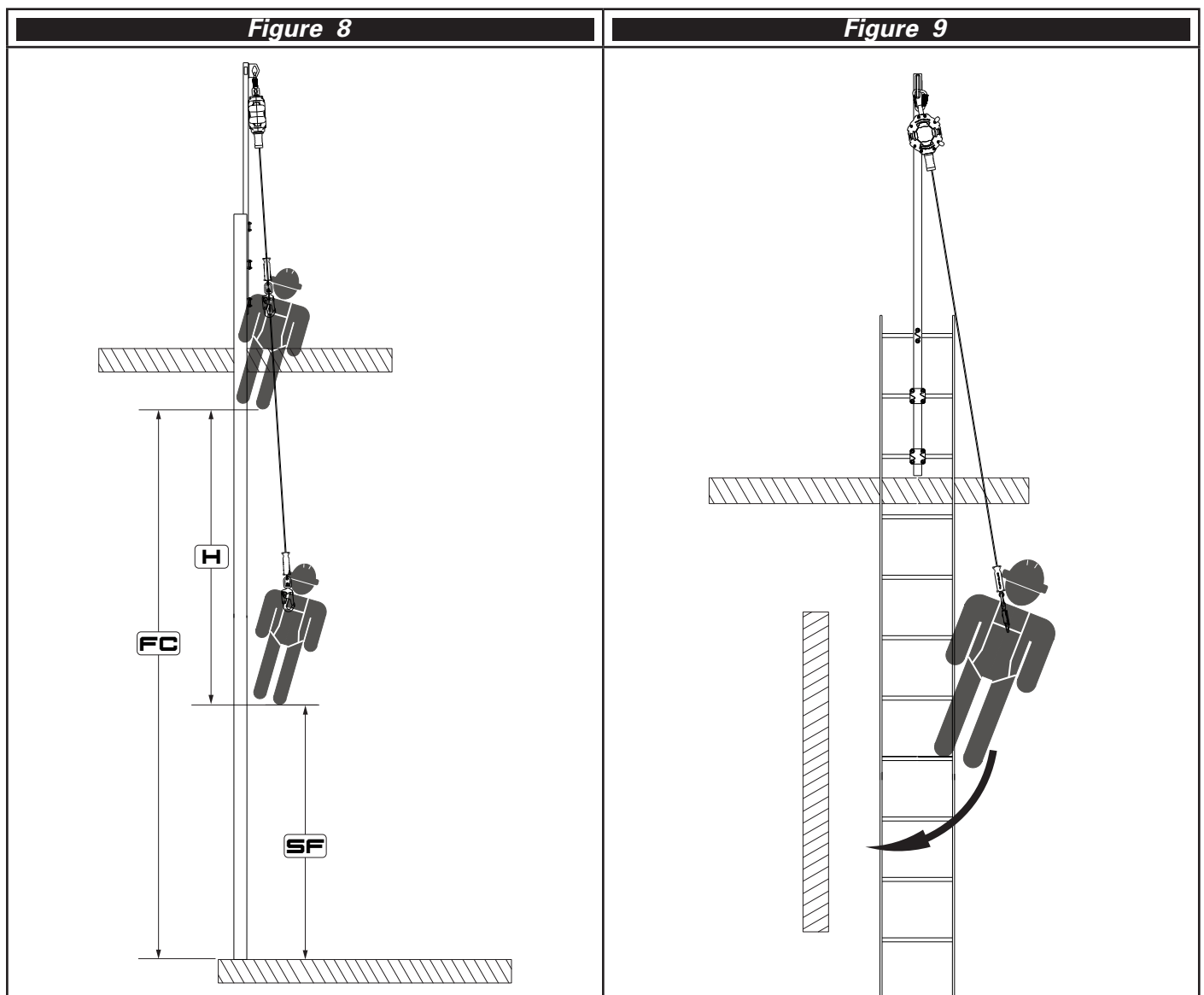
4.1 Fall Clearance

When planning your fall protection system, it is important to accurately assess all components of your system in order to avoid injury. Figure 8 provides guidance on how to calculate fall clearance. In Figure 8, (H) represents extension of the SRL, 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 $H + SF$.

4.2 Swing Fall

Working off centre of a SRL Anchor may cause a swing fall. See Figure 9. 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.



4.3 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.

4.4 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.

4.5 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

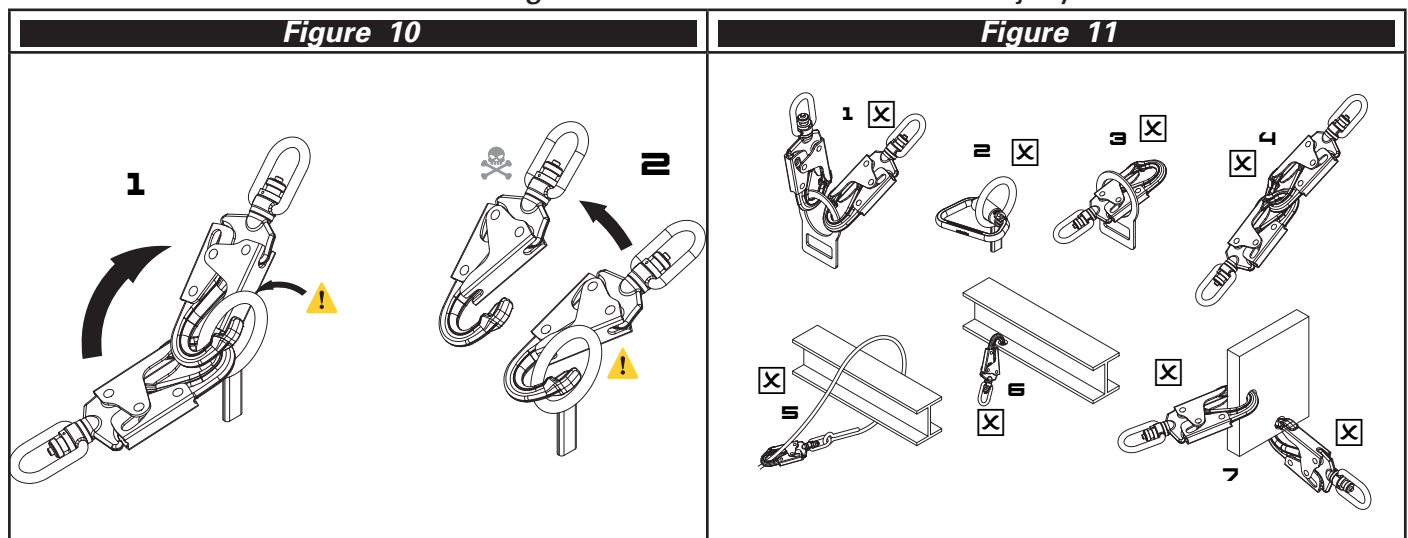
Only make compatible connections. Always ensure connectors close and lock correctly before use. Below and Figure 10 are examples of unsuitable connections;

- 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 11. 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 Use

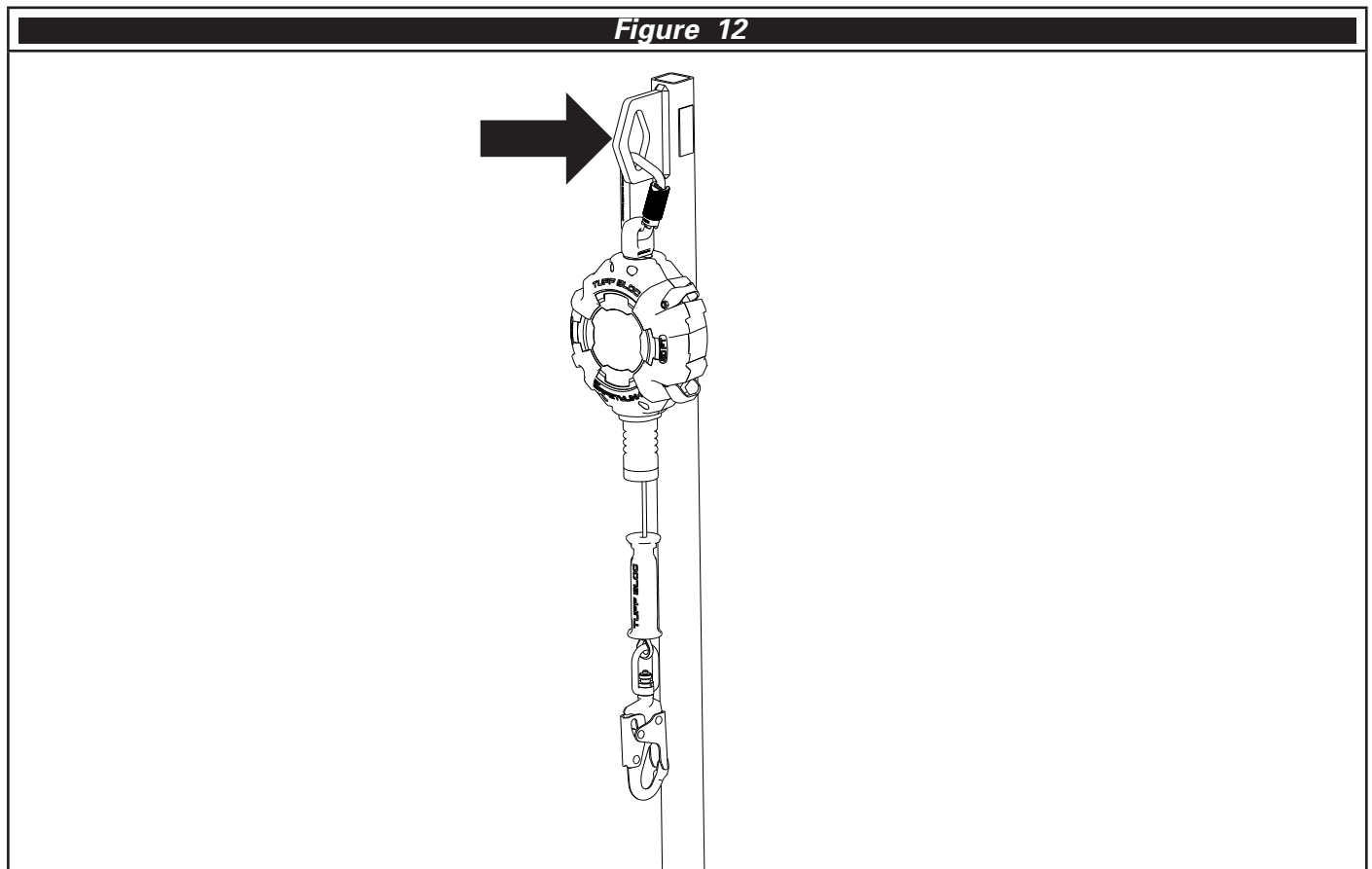
6.1 Planning

Before starting work, plan your working at heights and rescue systems by accounting for all hazards present in the work place and allowing for the available fall clearance. Ensure all users are fit, healthy and capable of safely operating this equipment as well as implementing the rescue plan.

⚠ *During use always allow for the required fall clearance, swing fall and hazards present in the work place.*

6.2 Connection to the Anchor

The V-Line SRL Anchor is supplied with one attachment point to connecting to. See Figure 12.



⚠ *Do not attach multiple users to a single anchor.*

⚠ *Do not attach to any other point on the SRL Anchor.*

7 Storage, Transport and Maintenance

7.1 Storage and transport

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

7.2 Maintenance

7.2.1 The V-Line system is serviceable only by trained and authorised installers. Contact SafetyLink to find your nearest available installer. The service interval will be determined by the condition in which it is used. Harsher conditions will require more frequent servicing. 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.

7.3 Cleaning

The V-Line SRL Anchor may be cleaned by the end user periodically to increase service life. After cleaning, the product shall undergo the pre-use inspection.

Clean the system 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 return the item to service.

8 Inspection

8.1 Before and After Use

The V-Line SRL Anchor shall be inspected before and after each use by the user.

8.2 Competent Person

A competent person shall inspect the system at least every 5 years. Systems installed in harsher conditions will require more frequent inspection. Installations in marine, coastal or other extreme corrosive environments should be inspected at least every 2 years.

8.3 Procedure


8.3.1 Anchor - inspect all fasteners are present and tight. Inspect the for chips, cracks, discolouration, damage to the protective coating, bending or warping. Inspect any welds for corrosion, discolouration or damage. Inspect any steel tubes for damage of the galvanising, deformation or corrosion.

8.3.2 Pulley - inspect all fixings are present and tight. Inspect the galvanised coat is free of chips, cracks, corrosion or damage. Inspect the sheave is free of cracks and missing piece.

8.3.3 Rope - inspect the rope is in good condition. Inspect the sheath covers the core of the rope.

INSPECTION RECORD			
Product Code		Date of Manufacture	
Serial or Batch No.		Date of Install	
Inspector		Date of Inspection	
PROCEDURE	INSPECTION	USER	COMPETENT PERSON
8.3.1	Anchor - inspect all fasteners are present and tight. Inspect the for chips, cracks, discolouration, damage to the protective coating, bending or warping. Inspect any welds for corrosion, discolouration or damage. Inspect any steel tubes for damage of the galvanising, deformation or corrosion.	<input type="checkbox"/>	<input type="checkbox"/>
	Comments:		
8.3.2	Pulley - inspect all fixings are present and tight. Inspect the galvanised coat is free of chips, cracks, corrosion or damage. Inspect the sheave is free of cracks and missing piece.	<input type="checkbox"/>	<input type="checkbox"/>
	Comments:		
8.3.3	Rope - inspect the rope is in good condition. Inspect the sheath covers the core of the rope.	<input type="checkbox"/>	<input type="checkbox"/>
	Comments:		

Figure 13




SafetyLink®
Innovative
Fall Protection


V Line
SRL Anchor

OSHA 1926.502, 1910.140
CAPACITY: 130-310lbs
MAF: 1800lbs

AS/NZS 5532
SINGLE PERSON ANCHOR
15kN

EN795/A
12kN




1x 

⚠ WARNING


Manufacturers instruction supplied with this product shall be followed. Failure to do so could result in serious injury or death. Avoid contact with hazards including, but not limited to, heat, chemical, electricity, sharp or abrasive edges and surfaces. Suitable for one user only.

INSPECTION

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SafetyLink®
Innovative
Fall Protection



SafetyLink®
Innovative
Fall Protection

**PC: VLINE.SRL
BATCH: XXXXX**

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.



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