

Edge Safe Handrail System



Hazard and Risk Assessments

Before using this equipment, the job you are doing must be assessed for foreseeable hazards and risks and appropriate measures to eliminate, control or reduce those risks must be taken before you commence work.

Suggested PPE (Personal Protective Equipment)



Protective Gloves



Protective Footwear



Hard Hat

Note: PPE must be suited to the risks and person(s) using the equipment.

Safety Instructions:

- Operating Instructions** – Before using this equipment ensure you have read the ‘Operating Instructions’ and taken note of the ‘Hazards and Risks’ detailed on this instruction sheet and taken all necessary steps to prevent injury.
- Personal Protective Equipment** – Use appropriate personal protective equipment for the job.
- Installation Advice** – The safe use and application of these this equipment must be in accordance with AS3610, the Occupational Health and Safety Act, approved Codes of Practice and any other regulatory requirements. Consultation with a competent person or qualified engineer is advised.

HAZARD: Risk of falling

- ... Always install the system from a position of safety
- ... Never lean over the edge of the excavation to adjust the clamps
- ... Avoid gaps between the panels greater than 120mm
- ...Make sure that once clamped the panels cannot be lifted, slide or rotate
- ...Top handrail to be no lower than 900mm to ground level

Installation Requirements:

Two people are needed to safely install the brackets and handrails. Adjustable spanners are required. The connecting feet have provision for a toe board, these are not supplied by Shore Hire. If toe boards are required they should be not less than 150mm high. Once installed the top of the handrail should be no lower than 900mm from ground level.

ENSURE YOU HAVE BEEN PROPERLY INSTRUCTED BY A COMPETENT PERSON BEFORE USING THIS EQUIPMENT.

Purpose for which this equipment is designed:

The Edge Safe Handrail System is compliant with Australian Standards AS 4994.1 ‘Temporary Edge Protection’ and is used to keep site personnel safe from falls into deep excavations.

The three rail handrail panels are mechanically fixed to the connection feet, via a socket and pin arrangement. The connecting feet then straddle the top of the shoring panel and are held in place by retaining bolts. Where required some feet can straddle the lifting eye or trench sheet and have a through bolt and retaining bolt to hold them in position.

There is provision for a toe board to be held in position via a retaining bolt. These are used to protect workers in the excavation from any rocks or tools being knocked into the excavation from ground level.



Handrail Panels come in 1,2,3 and 4m lengths

Caution:

- Do not use panels to support ladders, services, equipment or materials
- Ensure that panels are not damaged, and if they are that they are replaced, as with any safety device a visual inspection is required prior to use
- Position handrails so that they are no lower than 900mm from ground level to the top of the top rail
- Leave no gap greater than 120mm between the ends of the handrails

Operating and Safety Instructions

www.Shorehire.com.au



Handrail connecting feet for; trench sheets, shoring box lifting eyes, aluminium smooth wall and MAPs, 3,4 & 6m steel shoring and large heavy duty aluminium boxes.



Pins used to connect Handrail to Connecting feet socket

Installation of the Edge Safe Handrail System

The Edge Safe System consists of a three rail panel that is pinned to the bolt-on connection feet. Ensure that the correct feet for the application have been provided, as there are different width connection feet for the various thicknesses in shoring and trench sheets (see picture above). The panels are stored and transported in stillage's, and the connecting feet in accessory stillage's, with pins and bolts attached.

Using two people the panel uprights are inserted into connecting feet sockets and pinned into place (see pin and integrated clip picture above). The panel is then lifted into position, with the connecting feet straddling either the shoring panel or the trench sheets. Check that the connecting feet are both facing the same direction, and with the bolt head facing away from the trench opening. The feet are then clamped to the shoring panel, through the lifting eye of the shoring box or trench sheets, with the through bolts and retaining bolts provided. Tighten the retaining and through bolts fully, ensuring that the handrails sit plumb and square, and that the top of the top rail is no lower than 900mm from the ground. When installing the next handrail make sure that the gap between them is no greater than 120mm.

If toe boards are being installed, they are held in place via retaining bolts in the 'L' bracket at the base of the connecting feet socket.

These brackets should be positioned on the outside of the handrail. Ensure that all toe boards are butted up to each other, with no gaps.

RISK ASSESSMENT (1= HIGH RISK, 5 = LOW RISK)

Risk(Ranking)	Description	Control
1	Falling into the excavation when installing panels	Always complete a risk assessment, where appropriate use a fall arrest system. Never lean over the panel or edge of the excavation to adjust the clamps
3	Trip Hazard	Keep site tidy and area you are working in as level as possible
3	Cuts and grazes may occur from improper Handling procedure	Observe safety procedures, always wear correct PPE

Ladder Safe

Hazard and Risk Assessments

Before using this equipment, the job you are doing must be assessed for foreseeable hazards and risks and appropriate measures to eliminate, control or reduce those risks must be taken before you commence work.

Suggested PPE (Personal Protective Equipment):



Protective Gloves Protective Footwear Hard Hat Eye Wear

Note: PPE must be suited to the risks and person(s) using the equipment.

Safety Instructions:

- Operating Instructions** – Before using this equipment ensure you have read the 'Operating Instructions' and taken note of the 'Hazards and Risks' detailed on this instruction sheet and taken all necessary steps to prevent injury.
- Personal Protective Equipment** – Use appropriate personal protective equipment for the job.
- Installation Advice** – The safe use and application of this equipment must be in accordance with AS3610, the Occupational Health and Safety Act, approved Codes of Practice and any other regulatory requirements. Consultation with a qualified engineer is advised.

HAZARD: Risk of Collapse, Crushing, or Falling

... Incorrectly installed Ladder Safe may cause the unit to become loose and fall, causing injury or death.

... Always tie ladder to Ladder Safe.

Inspection

The designated competent person will inspect all components of the Ladder Safe system prior to use, as well as daily and when changes in job site conditions require. Any damaged, defective or inadequate components shall be repaired or replaced.

Safety Recommendations

- A competent person needs to understand the regulations relating to OH&S and the Excavation Code of Practice and determine proper protective system requirements.
- Ensure that all personnel are wearing proper personal protection equipment.
- Always make sure lifting equipment is adequate for the task and meets OH&S requirements. Please note that tie down chains and other improvised slings are not appropriate as lifting devices.
- Ensure that the platform and ladder are not damaged and the clamps are working properly prior to use.
- Always install the system from a position of safety. If working from an unsupported edge a full risk assessment should be carried out for the installation. Once clamped check the platform cannot be lifted, slide, rotate or move/slip.
- Always ensure that Ladder Safe platform is fully tightened and sits square and plum on the top of the shoring.
- Avoid gaps between Ladder Safe platform and edge safe hand rails greater than 250mm.
- Always replace damaged Ladder Safe platforms or components.
- Ladder Safe should only be fitted to Shore Hire excavation support systems. The customer must ensure these support systems are installed in accordance with Shore Hire's operating instructions and are sufficiently robust and stable to act as a effective edge protection support.
- Take care when handling Ladder Safe and storing on site as gates can be easily be damaged. Always stack on timber and lift using the lifting lugs provided.
- Platform and ladder to be used by one person at a time. Do not store plant and equipment on the platform, and do not attempt to carry equipment down ladder.
- Ensure ladder is adequately footed within trench box, and securely lashed to the ladder pole on platform and that ladder extends at least one rung above the Ladder pole.
- Ladder must be installed at a safe angle of inclination between 65° and 75° (degrees).
- Ensure that gate is working correctly and closing freely.
- At all times, avoid gaps between shoring and edge of excavation.



Operating and Safety Instructions

www.shorehire.com.au

Ladder Safe

Shore Hire is committed to improving site safety in and around excavations through innovation. The Shore Hire range of excavation edge protection safety systems bears testament to this commitment and are available for use with the complete range of Shore Hires excavation support systems.

These systems are manufactured by Shore Hire to meet the requirements of the Australian Excavation Work Code of Practice regulations under section 274 of the Work Health and Safety Act.

Shore Hire Ladder Safe is a simple, robust ladder platform for use with Shore Hires excavation support systems. The system quickly and effectively clamps to either steel trench boxes or steel trench sheet system providing a safe access platform for entry to the excavation via a ladder attached to Ladder Safe Platform.

The platform is designed to be lifted into place by an excavator and adjustable clamps are provided to lock the system in position on all Shore Hire trench boxes and shields. An extension platform is available when using the Ladder Safe with Shore Hire Hydraulic Bracing. (Shore Hire can supply a suitable one piece ladder in a variety of lengths for sale only).

Installation

1. Ensure shoring is level and there is a clear area on shoring to allow Ladder Safe to be installed.
2. Using approved lifting device, connect lifting chains to lifting shackles on Shore Hire Ladder Safe platform.
3. Prior to lifting, ensure adjustable "jaws" are open wide enough to fit over shoring panel or trench sheets by rotating adjuster nuts on outside of platform.
4. Lift Ladder Safe platform into place.
5. Rotate adjuster nuts to tighten jaws onto shoring. Use timber packers if necessary.
6. Ensure unit is square and tight. Remove lifting chains.
7. Install ladderpole by screwing into receiver at either end of handrails.
8. Install Ladder into excavation and tie off to ladder pole, ensuring that at least 1 rung is above the ladder pole.
9. Check gate for automatic closing.
10. Always take care when using ladders, and use safety harness if required.
11. Keep platform clear of tools and equipment to prevent trip hazards.

RISK ASSESSMENT (1= HIGH RISK, 5 = LOW RISK)

Risk (Ranking)	Description	Control
1	Installing Ladder Safe platforms incorrectly could cause platform to slip, fall or move.	Always ensure Ladder Safe platform is securely locked into position before entering and standing on the platform.
1	Overloading Ladder Safe platform could cause platform to slip, move fall, bend or collapse.	Do not store plant and equipment, or have more than one person on Ladder Safe platform.
1	Installing Ladder Safe platform without adhering to operating instructions may cause platform to move or fall.	Adhere to operating instructions to ensure platforms are only installed in the correct manner.
3	Storage of equipment on platform could cause personnel to trip or fall causing serious injury or death.	Never store or leave equipment on platform to alleviate trip hazards.
2	Dropping units, trapping feet and hands or mishandling can cause serious injury.	Follow safety procedure and operating instructions. Wear PP&E.

Fall Arrest/ Retrieval Winch

Hazard and Risk Assessments

Before using this equipment, the job you are doing must be assessed for foreseeable hazards and risks and appropriate measures to eliminate, control or reduce those risks must be taken before you commence work.

Suggested PPE (Personal Protective Equipment):



Protective Gloves Protective Footwear Hard Hat Eye Wear

Note: PPE must be suited to the risks and person(s) using the equipment.

Safety Instructions:

- Operating Instructions** – Before using this equipment ensure you have read the ‘Operating Instructions’ and taken note of the ‘Hazards and Risks’ detailed on this instruction sheet and taken all necessary steps to prevent injury.
- Personal Protective Equipment** – Use appropriate personal protective equipment for the job.
- Installation Advice** – The safe use and application of this equipment must be in accordance with AS3610, the Occupational Health and Safety Act, approved Codes of Practice and any other regulatory requirements. Consultation with a qualified engineer is advised.

HAZARD: Risk of Collapse, Crushing, or Falling

...Incorrectly installed Winch may become loose and fall, causing injury or death. Install as per operating instructions

... Always check connections and unit before every use. Physically inspect cable for any damage.

Inspection

The designated competent person will inspect all components of the Fall Arrest/Retrieval Winch System prior to use, as well as daily and when changes in job site conditions require. Replace any damaged, defective or inadequate components.

Safety Recommendations

- A competent person needs to understand the regulations relating to OH&S and the Excavation Code of Practice and determine proper protective system requirements.
- Ensure that all personnel are wearing proper personal protection equipment.
- Always make sure lifting equipment is adequate for the task and meets OH&S requirements.
- Ensure that the Winch is not damaged and the Davit or mounting points are secure.

- Always install the system from a position of safety. If working from an unsupported edge a full risk assessment should be carried out for the installation. Once connected, check the Winch and support mechanism cannot be lifted, slide, rotate or move/slip.
- Always ensure that Winch and the support mechanism is fully tightened and sits square and plum.
- If used on shoring, avoid gaps between panels and the ground. Use edge safe hand rails or Laddersafe unit if gaps > 250mm.
- Always replace damaged Winch components.
- Winch should only be fitted to Shore Hire Davit system. The customer must ensure these systems are installed in accordance with Operating Instructions and is sufficiently robust and stable to be an effective fall arrest or retrieval system.
- Take care when handling Winch and associated equipment and storing on site. Always stack/store correctly.
- Winch is to be used for one person at a time. Do not lift plant and equipment with winch, and do not attempt to use winch and/or Shore Hire Davit System to install or lift equipment in any way.
- Ensure Winch/Davit is adequately connected to Trench box or other mounting system.
- Winch/Davit must be installed at a safe angle of inclination to operate effectively.
- Ensure that all parts are working correctly and closing freely.
- At all times, avoid gaps between shoring and edge of excavation.

Fall Arrest/Retrieval Winch

Shore Hire is committed to improving site safety in and around excavations through innovation. The Shore Hire range of excavation Edge Protection safety systems bears testament to this commitment and are available for use with the complete range of Shore Hires excavation support systems.

These systems are sourced & manufactured by Shore Hire to meet the requirements of the Australian Excavation Work Code OF Practice regulations under section 274 of the Work Health and Safety Act.

Shore Hire Winch System is simple and robust, and is designed for use with Shore Hires excavation support systems and Edge Protection Equipment. The system quickly and effectively clamps to either steel trench boxes or steel trench sheet system providing a safe and easy safety system if a person slips or requires retrieval from within an excavation. For additional Safety, use in conjunction with Shore Hire Handrails, Laddersafe and Davit arm

Australian Standard

The Australian Standard AS/NZS 1891.3:1997 states Point “1.6 ACCEPTANCE OF MATERIAL SUPPLIED FROM OVERSEAS Fall-arrest devices complying with EN 353-1, EN 353-2 or EN 360 are acceptable for use in Australia and New Zealand”. The equipment outlined in this instruction comply with EN 360.

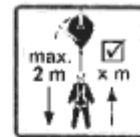
Operating and Safety Instructions

www.shorehire.com.au

Instructions For Use – Hazard Area

1. The IKAR Fall Arrest Block HRA with recovery mechanism in accordance with EN 360:2002 / 1496:2007 is an automatic fall arrest system, part of a fall protection PPE with integrated fall restraint functions to serve as a fall arrest and recovery lifting device. In conjunction with a safety harness (EN 361 / 1497), the HRA device provides safety for persons carrying out work with a risk of falling (e.g. when moving in containers, vertical shafts, sewer systems). With the recovery mechanism, the lifeline is wound up to lift the casualty in an emergency. Descent of the person is limited to a path of 2 m (Fig. 1). The HRA device may only be used for the intended purpose.
2. The instructions for use are to be fully read and understood before use. Non-observance of the instructions for use will put lives at risk (Fig. 2). In case of fall, prolonged suspension of a person for more than 20 minutes must be avoided (risk of shock).
3. The recovery mechanism has only been approved for recovery purposes, not for lifting and lowering loads.
4. Only safety harnesses in accordance with EN 361 or EN 361/1497 are permitted for use with the fall arrest block with recovery mechanism (other harnesses are not permitted) (Fig. 3).
5. One device can only protect one person at a time, but can be used successively by several persons.
6. A rescue plan covering any rescue case that might occur during work must exist.
7. During the rescue operation, there must always be direct or indirect visual or communicative contact with the person to be rescued.
8. For devices with a hand chain drive, a suitable attachment point of sufficient carrying capacity must be chosen (e.g. anchorage point in accordance with EN 795; 10 kN or 7.5 kN carrying capacity at present constructions; BGR 198) (Fig. 5). Attachment is made using a suitable connecting element in accordance with EN 362 or sling rope, the rope being pulled through the handle of the fall arrest block and closed with a secured connecting element in accordance with EN 362.
9. The HRA device should be in a perpendicular position above the head of the person to be rescued in order to prevent swinging (Fig. 6). The suspension of the device must allow for compensating deviations in rope/webbing length. When the device has been attached to the anchorage point, attach the end of the connecting device (karabiner type connector) to the ring attachment point of the safety harness. If the karabiner hooks are not self-locking, they must be screwed tight with a sleeve nut.
10. The HRA fall arrest block with winding handle can only be used as part of a fall arrest system in conjunction with the holders and support brackets of the IKAR anchor devices in accordance with DIN 795. The instructions for use of the anchor devices and their components must be observed.
11. Before every use, check the readability of the product label.
12. A visual inspection and functional test of the HSA fall arrest block must be performed before every use (Fig. 7). To do so, attach the fall arrest block to a suitable anchor point: Pull the rope, the ratchets must lock audibly and the device must be locking. Firmly hold the rope and allow it to retract into the fall arrest block in a controlled manner. If the rope is released, it may cause injuries and damage by its quick and uncontrolled retraction into the housing. Check the karabiner hook for proper functioning (self-closing, lockable). Check the retractable connecting device for proper condition. A HRA fall arrest block with a damaged connecting device (Fig. 8), e.g. ropes with a kink or broken/torn strand, must not be used.
13. A fall arrest block must be withdrawn from use if damaged, loaded by fall or if its safe condition is doubtful. It may only be used further if tested and released in writing by an expert from or trained by the manufacturer.

Illus. 1



Illus. 2



Illus. 3



Illus. 4



Illus. 5



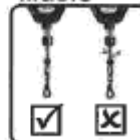
Illus. 6



Illus. 7



Illus. 8



Operating and Safety Instructions

www.shorehire.com.au

14. Fall arrest blocks must not be used for securing persons working above bulk goods or similar substances where people can sink in (Fig. 9).
15. As necessary, but at least every 12 months, fall arrest blocks with recovery mechanism must be inspected by the manufacturer or by persons trained and authorised by the manufacturer (Fig. 10). This must be documented in the inspection log book supplied with the product. The effectiveness and durability of the fall arrest block depends on regular inspection.
16. Observe BGR 198 (fall and BGR 199 (rescue operation)).
17. With the fall arrest block above the user, the clear height below the user must be 2.4 m.
18. The IKAR fall arrest block with recovery mechanism can be used in a temperature range from -30° C to +50° C in accordance with EN 360 (Fig. 12).
19. The rated load is 136 kg (Fig. 13).
20. Fall arrest blocks with recovery mechanisms must be protected from the effects of welding flames and sparks, fire, acids, lyes, solvents and similar agents.
21. No modifications may be made on the device.
22. Note: Fall arrest blocks with recovery mechanism may only be used by persons who are appropriately trained or otherwise skilled. Users must be free from health impairments (alcohol, drug, medication or cardiovascular problems).
23. The service life of the fall arrest block with recovery mechanism must be determined in the yearly inspection; it is approx. 10 years depending on load stress.
24. After every use of the fall arrest block, the device must be inspected by an expert trained by the manufacturer.
25. When the HRA fall arrest block is used, it must be ensured that the loaded lifeline does not pass over edges.

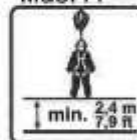
Illus. 9



Illus. 10



Illus. 11



Illus. 12



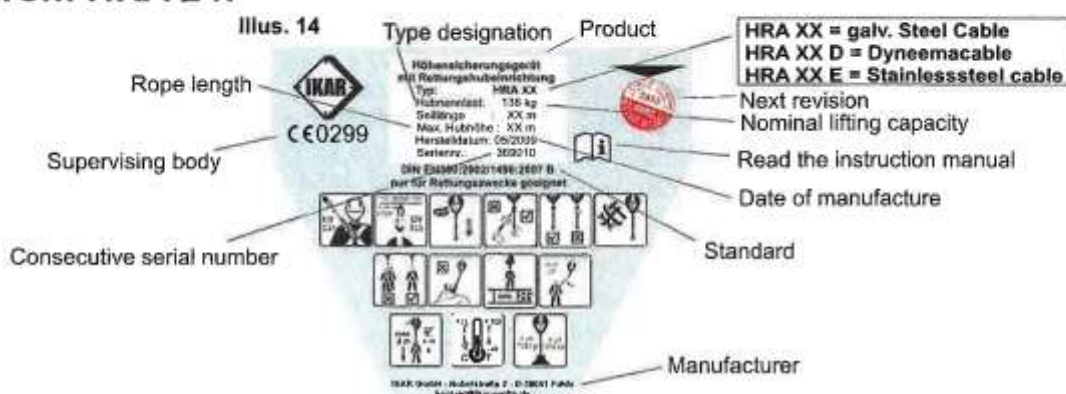
Illus. 13



Service and maintenance

1. The lifeline shall only retract under load. On no account may the lifeline be fully pulled out and released because the karabiner hook jolting against the device may cause the retraction spring to break.
2. For devices that are constantly exposed to the weather, it is recommended to grease the steel rope with acid-free oils or Vaseline at regular intervals.
3. IKAR fall arrest blocks with recovery mechanism should be stored in dry, dust- and oilfree condition in a suitable container.
4. Components which have become wet during cleaning or use may only be dried naturally, not near a fire or similar heat sources.

Labelling of the fall arrest block with recovery mechanism from HRA 24:

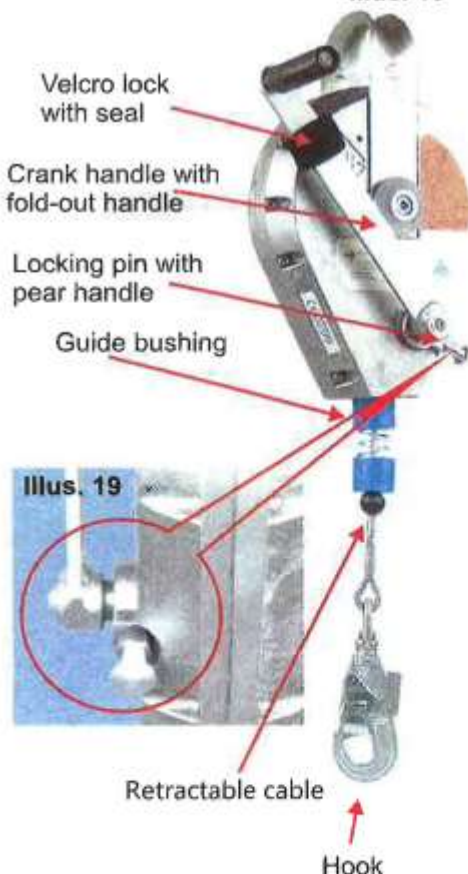


Labelling of the self-retracting lifeline with lifting device up to type HRA 18:



Function description for self-retracting lifelines with rescue lifting device through crank mechanism (type HRA) according to DIN EN 1496:2007 - class B

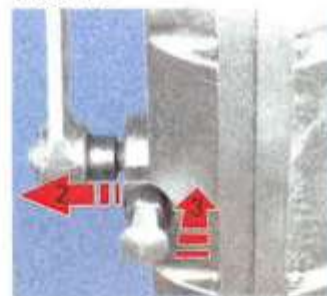
Rescue application: Illus. 16



Illus. 17



Illus. 18



Required operations:

1. Open the sealed Velcro lock, see illustration 16.
2. Unfold the crank handle, see illustration 16.
3. Pull out the locking pin with pear handle (see illustration 17) (action 1), until the crank handle axis (action 2) pops out audibly and visibly (illustration 18).
4. Rotate the crank handle back and forth until the gear has engaged. The locking pin jumps back into its initial position (action 3).
5. The "rescue function" of the HRA device is established.
6. The casualty can now be cranked up and down. Descending is only allowed to a maximum distance of 2 m.

Note: Devices with rescue hoisting crank may only be used with the corresponding holders (holding plates) for IKAR fastening facilities EN 795. After successfully using the rescue hoisting device, the HRA device must always be checked by an expert trained by the manufacturer.

Illustration 16 /19 shows the IKAR self-retracting lifeline HRA with crank position set to the "self-retracting lifeline" function!

Retrieval Winch

RISK ASSESSMENT (1= HIGH RISK, 5 = LOW RISK)

Risk (Ranking)	Description	Control
1	Not knowing how to operate Fall Arrest/Retrieval Winch causes person to fall.	Ensure that operator is competent and has read and understands Operating Instructions.
1	Retrieval Winch becomes loose and is dislodged.	Tighten all pins and connecting bolts and check daily and prior to use.
1	Lifting materials causes load to fall.	Do not use to lift materials.
1	Lifting 2 people causes Winch to fail.	Only lift 1 person at a time (max 136kgs)

Shore Hire Davit Arm

Hazard and Risk Assessments

Before using this equipment, the job you are doing must be assessed for foreseeable hazards and risks and appropriate measures to eliminate, control or reduce those risks must be taken before you commence work.

Suggested PPE (Personal Protective Equipment):



Protective Gloves Protective Footwear Hard Hat Eye Wear

Note: PPE must be suited to the risks and person(s) using the equipment.

Safety Instructions:

- Operating Instructions** – Before using this equipment ensure you have read the 'Operating Instructions' and taken note of the 'Hazards and Risks' detailed on this instruction sheet and taken all necessary steps to prevent injury.
- Personal Protective Equipment** – Use appropriate personal protective equipment for the job.
- Installation Advice** – The safe use and application of this equipment must be in accordance with AS3610, the Occupational Health and Safety Act, approved Codes of Practice and any other regulatory requirements. Consultation with a qualified engineer is advised.

HAZARD: Risk of Collapse, Crushing, or Falling

...Incorrectly installed Davit may become loose and fall, causing injury or death. Install as per operating instructions

... Always check connections and unit before every use. Physically inspect for any damage or loose parts.

Inspection

The designated competent person will inspect all components of the Davit System prior to use, as well as daily and when changes in job site conditions require. Replace any damaged, defective or inadequate components.

Safety Recommendations

- A competent person needs to understand the regulations relating to OH&S and the Excavation Code of Practice and determine proper protective system requirements.
- Ensure that all personnel are wearing proper personal protection equipment.
- Always make sure lifting equipment is adequate for the task and meets OH&S requirements.

- Ensure that the Davit Arm is not damaged and the mounting points are secure.
- Always install the system from a position of safety. If working from an unsupported edge a full risk assessment should be carried out for the installation. Once connected, check the Davit (& Winch) and support mechanisms cannot be lifted, slide, rotate or move/slip.
- Always ensure that Davit Arm is fully tightened and sits square and plum.
- If used on shoring, avoid gaps between panels and the ground. Use edge safe hand rails or Laddersafe unit if gaps > 250mm.
- Always replace damaged Davit Arm & Winch components.
- Davit & Retrieval/Fall Arrest Winch should only be fitted to Shore Hire Shoring systems. The customer must ensure these systems are installed in accordance with Operating Instructions and is sufficiently robust and stable to be an effective fall arrest or retrieval system.
- Take care when handling Davit Arm and associated equipment and storing on site. Always stack/store correctly.
- Davit/Winch is to be used for one person at a time. Do not lift plant and equipment with winch, and do not attempt to use winch and/or Shore Hire Davit System to install or lift equipment in any way.
- Ensure Winch/Davit is adequately connected to Trench box or other mounting system.
- Winch/Davit must be installed at a safe angle of inclination to operate effectively.
- Ensure that all parts are working correctly and closing freely.
- At all times, avoid gaps between shoring and edge of excavation.
- MAXIMUM LOAD CAPACITY IS 200kg**

Davit Arm

Shore Hire is committed to improving site safety in and around excavations through innovation. The Shore Hire range of excavation Edge Protection safety systems bears testament to this commitment and are available for use with the complete range of Shore Hires excavation support systems.

These systems are sourced & manufactured by Shore Hire to meet the requirements of the Australian Excavation Work Code OF Practice regulations under section 274 of the Work Health and Safety Act.

Shore Hire Davit Arm System is simple and robust, and is designed for use with Shore Hires excavation support systems and Edge Protection Equipment. The system quickly and effectively clamps to either steel trench boxes or steel trench sheet system providing a safe and easy safety system if a person slips or requires retrieval from within an excavation. For additional Safety, use in conjunction with Shore hire Handrails, Laddersafe and Fall Arrest/Retrieval Winch.

Operating and Safety Instructions

www.shorehire.com.au

Installation & Use

1. Place Davit Arm Mounting Bracket onto Shore hire Trench Box Lifting eye or Trench Sheet. Bracket can be installed with spigot either inside or outside of panel depending on requirements (see Fig 1) (Other types of Mounting Brackets are available - ensure suitability for use).
2. Tighten bolt securely ensuring that Bracket is square and plum and is not obstructing Handrails or Laddersafe unit (see Fig 2)
3. Lift the stem of the Davit Arm over Spigot and tighten rotation bolt to desired location. Ensure positioning of Davit Arm does not obstruct ability to lift equipment into excavation or hinder access by personnel. See Fig 3.

Always ensure that appropriate and certified lifting equipment is used and that equipment is within Operating Capacity.

4. Lift the boom to full extension (see Fig 4) and insert locating pin. (see Fig 5)
5. Pull Fall Arrester/Retrieval Winch cable over pulley wheel at end of boom and replace locking clip. (see Fig 6)
6. Ensure that Fall Arrest/Retrieval Winch Operating Instructions are adhered to at all times.



Fig 1.



Fig 2.



Fig 3.



Fig 4.



Fig 5.



Fig 6.

RISK ASSESSMENT (1= HIGH RISK, 5 = LOW RISK)

Risk (Ranking)	Description	Control
1	Davit becomes loose and becomes dislodged.	Ensure that bracket and bolt are tightened securely.
2	Davit Arm moves on spigot causing injury.	Tighten rotation bolt- check daily and before use.
2	Boom becomes loose and falls.	Ensure that locating pin is inserted and pinned. Check daily and before use.
3	Cuts and grazes may occur from improper handling procedure.	Observe safety procedures. Always wear PPE.