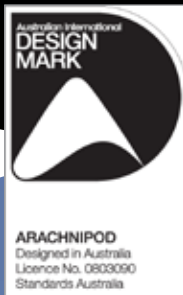


arachnipod

Total Edge Management System

INSPECTION MANUAL

Version 1.1:2012



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CE COMPLIANCE INFORMATION

CE Certifying Organisation:

TÜV Süd Product Servicer GmbH
Ridlerstr. 65
D-80339 MÜNCHEN

The Arachnipod is certified to CE 0123; EN795B in the following configurations:

- Tripod
- Quadpod
- Quadpod with bridge *(Stabilisation rigging required for this configuration only)

Austria, Belgium, Denmark, Germany, Hungary, Luxembourg, Netherlands, Spain, Switzerland	Skylotec GmbH	www.skylotec.de
Finland, Ireland, Israel, Norway, Sweden, UK	International Safety Components	www.iscwales.com
Italy	Climbing Technology (division of Aludesign S.p.a.)	www.climbingtechnology.it
France	Sarl Climbing Technology - France	www.climbingtechnology.com
Canada	Traverse Rescue	www.traverserescue.com
United States	Rescue Technology	www.rescuetechnology.com

SERVICE & REPAIRS

FERNO AUSTRALIA



Head Office: PO Box 5210, Brendale, Queensland 4500, Australia

Tel: +61 7 3881 4999

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Web: www.ferno.com.au

GLOSSARY

Abbreviation	Description	Abbreviation	Description
CE0123	No. of Notified Body for PPE	m	Metre
EN795B	Standard for Anchor Systems	"	Inch
TEMS	Total Edge Management System	PPE	Personal Protective Equipment
SA	Sideways A-frame	Qty	Quantity
N/A	Not Applicable	ea	Each
kN	Kilonewton	A ●	Anchor
kg	Kilogram		Load
lbs	Pounds	WLL	Working Load Limit
mm	Millimetre	MBS	Minimum Breaking Strength
	Spare Part		

DEFINITION OF A COMPETENT PERSON

A person who has a combination of training, qualification and experience, acquired knowledge and skills enabling that person to correctly perform a specified task.

INTRODUCTION

The Arachnipod must be inspected prior to and after each use, and should be inspected at least once a year by a competent person. Record the date of the inspection and the results in the equipment log. Each user should be trained as a competent person in equipment inspection.

Inspect the Arachnipod for cracks, dents, or elongation of the karabiner and pin holes. The legs should fit together smoothly and should not appear bent or deformed. Pins should have the retaining hardware present and must function freely. Inspect plastic parts for wear or chemical damage. If any significant damage is observed, the equipment should be removed from service. Detailed explanations of these procedures are contained further into this manual.

If there is any doubt regarding the safety of the equipment, it should be removed from service and retired.

The Arachnipod must be Inspected annually by a competent person and recorded in the equipment log

ARACHNIPOD COMPONENTS & PART NUMBERS

ARACHNIPOD PART NUMBER	ARACHNIPOD COMPONENT	ARACHNIPOD INDUSTRIAL	ARACHNIPOD INDUSTRIAL PLUS	ARACHNIPOD ADVANTAGE BASIC	ARACHNIPOD ADVANTAGE
	TRIPOD STYLES:	APOD-IND	APOD-IND+	APOD-ADV-B	APOD-ADV
90-0108	Standard Leg	3	2	2	1
90-0110	Pulley leg		1		1
90-0114	Lazy leg			1	1
APOD-LLA	Lazy Leg Adaptor Plug			1	1
42-1019	Feet Rope & Rope Grab	1	1	1	1
42-1011	Arachnipod bag			1	1
ARACHNIPOD PART NUMBER	ARACHNIPOD PART NAMES	ARACHNIPOD RESCUE	ARACHNIPOD ADVANTAGE PLUS BASIC	ARACHNIPOD ADVANTAGE PLUS	ARACHNIPOD RESCUE PLUS
	TRIPOD & ACCESSORIES KITS:	APOD-RESQ	APOD-ADV+B	APOD-ADV+	APOD-RESQ+
90-0108	Standard Leg	2	2	1	1
90-0110	Pulley leg	1		1	1
90-0114	Lazy leg		1	1	1
APOD-LLA	Lazy Leg Adaptor Plug		1	1	1
42-1019	Feet Rope & Rope Grab	1	1	1	1
42-1011	Arachnipod Bag	1	1	1	1
26-0007-0	Rigging Plate	1	1	1	
90-0120	Spike Feet	3			
APOD -AKIT	Arachnipod Full Accessory Kit				1
07-1027-0	Quad Plate		1	1	
90-0121	Reverse Head		1	1	
03-1037-0	Gin Head		1	1	
APOD-ADV-AB	Advantage Accessory Kit Bag		1	1	

ARACHNIPOD PART NUMBER	ARACHNIPOD PART NAMES	ARACHNIPOD TEMS 2 metre Bridge	ARACHNIPOD TEMS 3 metre Bridge	ARACHNIPOD TEMS 4 metre Bridge
		APOD-TEMS2	APOD-TEMS3	APOD-TEMS4
90-0108	Standard Leg	1	1	1
90-0110	Pulley leg	1	1	1
90-0114	Lazy leg	1	1	1
APOD-LLA	Lazy Leg Adaptor Plug	1	1	1
42-1019	Feet Rope & Rope Grab	1	1	1
42-1011	Arachnipod Bag	1	1	1
26-0007-0	Rigging Plate			
90-0120	Spike Feet			
APOD -AKIT	Arachnipod Full Accessory Kit	1	1	1
APOD-BR2	2m Bridge Kit	1		
APOD-BR3	3m Bridge Kit		1	
APOD-BR4	4m Bridge Kit			1
INCLUDED IN BRIDGE KITS:				
	Bridge	2m Bridge	3m Bridge	4m Bridge
90-0108	Spare Standard Leg	1	1	1
42-1013	2m Bridge Bag	1		
42-1014	3m Bridge Bag		1	
42-1015	4m Bridge Bag			1
42-1019	Foot Tether Rope	1	1	1
BRIDGE KIT OPTIONAL UPGRADES/ ACCESSORIES				
APOD-BRSSU	Bridge Kit Stainless Steel Upgrade Kit			
APOD-BRS	Bridge Ratchet Strap Kit			
APOD-BRSB3	Strongback Bridge Reinforcement 3m			
APOD-BRSB4	Strongback Bridge Reinforcement 4m			

FULL ACCESSORY KIT CONTENTS

PART NUMBER	COMPONENT	QUANTITY	PART NUMBER	COMPONENT	QUANTITY
42-1012	Accessory Bag	1	68-0036	Spare Detent Pins	2
90-0120	Spike Feet	4	68-0054	Spare Leg Pin c/w Detent Pin	1
03-1037-0	Gin Head	1	07-1026-0	Steps	2
34-0032	Soft Ground Shoes	4	90-0119	Equipment Bracket	1
16-1046-0	Hold-Down Stakes	4	26-0007-0	Rigging Plate	1
68-0041	M12 Tru-bolts	8	07-1027-0	Quad Plate	1
68-0042	M12 Masonry Drill Bit	2	90-0121	Reverse Head	1
22-1002	Spare Qik-Link Head Pins	2			
LAZY LEG KIT CONTENTS (APOD-LLK)			WINCH & FALL ARRESTOR KITS		
90-0114	Lazy Leg	1	APOD-W10	10m Winch & Mount- 6mm cable	1
90-0121	Reverse Head	1	APOD-W20	20m Winch & Mount - 6mm cable	1
42-1020	Lazy leg Bag	1	APOD-FA	15m Type 3 Fall Arrestor & Mount	1
APOD LLA	Lazy Leg Adapter Plug	1			

SAFETY INFORMATION

If the Arachnipod has been subjected to impact or a fall, it should be withdrawn from service immediately and must be tested and inspected by a competent person or the supplier of the System. Please be aware that extreme temperature, chemicals and rough handling of the System may cause damage.

REPAIRS

Any repair work must be done by the manufacturer or a Ferno-authorized repair agent. Any other repair work or modifications will void the warranty.

CARE, MAINTENANCE & STORAGE

- Wash the unit with warm water and soft detergent soap.
- Rinse with clean water.
- Leave unpacked unit in a warm, dry, well-shaded and ventilated place to dry.
- Do not use additional heat sources or blowers to dry the unit.
- Avoid contact with chemical, oils, solvents and other aggressive corrosive materials or agents.
- Once cleaning is complete, store unit in bag and store at room temperature away from direct sunlight.
- If unit requires any further maintenance, contact your supplier for further details.

LIFE CYCLE

The Arachnipod's life span is dependent on the individual operational conditions that it is subjected to. Many factors affect equipment lifespan including frequency of use, actual conditions of use, care and maintenance of the unit, weather and environmental conditions.

The maximum life span of the Arachnipod is 12 years from date of manufacture provided it has not sustained damage, is maintained, serviced and inspected according to manufacturer's instructions. Arachnipod components are labelled with the Date of Manufacture. When the unit is retired from service, destroy the unit so it cannot be re-entered into service by mistake.

PRODUCT UPDATE

From May 2012 the Leg Pin with Lynch Pin shown in Figure 1 will be replaced with the Arachnipod Ball Lock Leg Pin illustrated in Figure 2 (Part # 68-0054).



Fig 1



Fig 2



WARNING

The Arachnipod has been engineered and tested using the original equipment as supplied. Never replace any pins, bolts or other components with non-genuine parts.

DO NOT USE YOUR ARACHNIPOD IF ANY PARTS ARE MISSING.



WARNING

Arachnipods should be decommissioned from service after a maximum of 12 years from the date of commissioning into service. However if the date of commissioning into service is NOT recorded, the unit should be decommissioned from service after 12 years from the date of manufacture.

ARACHNIPOD DISASSEMBLY

The disassembly and rigging process for the Arachnipod depends upon a number of factors including:

- The type of Arachnipod kit
- The configuration that is used.

It is recommend that two or more people work together to disassemble the Arachnipod components as follows:

Step 1: Preparation

- Establish a working area where the Arachnipod components can be laid out
- A working area is a location that is safe, away from fall, slip and other hazards that would impede the inspection process
- A clean tarp or work area is beneficial for the inspection process

Step 2: legs

- Remove the Arachnipod from the storage bag (if supplied)
- Lay the unit down on the work/ inspection area
- Remove the Qik-Link pins from each of the heads (Fig 3)
- Repeat this process for any other legs to ensure all the legs are independent to each other



Fig 3

LEG INSPECTION

Extend and Inspection of Legs and Pins

1. Remove both leg pins from the legs and extend the legs to their maximum extension. During the process of extending the legs, ensure the legs move smoothly without any snagging.
2. When legs are at maximum extension, ensure the legs do not come apart and are stopped by the internal leg stopper.
3. Inspect the legs for damage, deep gouging, deformation and straightness. If there are any signs of bending, deformation or deep gouging the leg must be replaced.
4. Check each leg pin hole on the leg (Fig 4), looking for lower deep indentations on the pin area. If deep (more than 0.5mm) indents re evident, this may be an indication that the leg has been subjected to overloading and should be removed from service.

IMPORTANT
<p>If the stoppers are missing or do not work, the leg sections can separate completely from one another. Any legs with missing or damaged stoppers must be returned to Ferno or an authorised repair agent for repair.</p>

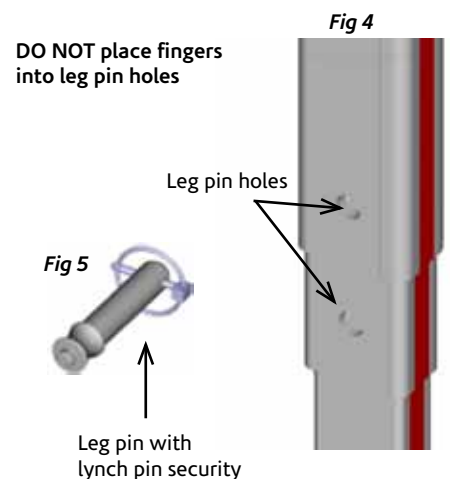
Leg Pin with Lynch Pin Assembly Inspection

1. Inspect the leg pin (Fig 5) and ensure there is no deformation, deep gouging or obvious damage.
2. Inspect the lynch pin (Fig 5) and ensure the operation is smooth and check the spring on the pin is operational.
3. Inspect the cable that attaches the leg pin and lynch pin to the leg. If the cable is damaged, replace the cable accordingly.

 **CABLE, 150mm with rings #91-0004**
ARACHNIPOD BALL LOCK LEG PIN #68-0054

Labels



Red labels are adhered to the outside face of each leg. The middle and lower leg have alpha and numeric markings at each hole position to allow all legs to be easily set to the same height (eg B-3). Check all labels are present and legible. Replace any damaged labels.



 **ARACHNIPOD RED LEG LABELS**
- set of 3 #51-0058
ARACHNIPOD LABEL -
Reflective Silver #51-0050

INSPECTING THE HEADS OF EACH LEG

Standard Leg (Fig 6)

1. Remove the Qik Link pin from the leg and inspect the pin for any damage or deformation. Inspect the cable on the Qik Link pin that holds the pin on to the head for damage. In the event of damage or deformation, replace cable with:
 **CABLE, 250mm with rings #91-0005**
ARACHNIPOD QIK LINK Head Pin #22-1002
2. Inspect the attachment points (cutouts) and ensure they are not damaged and that the Qik Link pin inserts easily into the cutouts. Ensure the Qik Link pin locks into the spring keeper and that the Qik Link pin is held firmly into place once inserted into the head attachment point.
3. Inspect the rated load attachment point (eyebolt) and ensure it can swivel 360° and that the top holding nut weld is intact and has not been tampered with. Ensure the eye is not deformed and there is no evidence that the attachment point has been overloaded. In the event of overloading or deformation the leg must be permanently removed from service.
4. Inspect Stabilisation Attachment Point (D-shackle) for deformation or damage. In the event of deformation or damage, replace the D-shackle.
 **D-SHACKLE with hardware #91-0006**
5. Ensure head moves and swivels easily on the leg and there is no binding up of the movement.
6. Ensure the Head/ Leg bolt is tight and secure. If the head/ leg connecting bolt is loose, remove the bolt and apply Loctite® 7262 thread locking compound to the threads and retighten the bolt. **Be careful not to cross-thread the bolts as the product will become unsafe, dramatically reduce the WLL and be dangerous to use.** If cross threaded, the unit must be sent back to Ferno Australia.
7. Inspect the entire head for damage and indentations. Normal wear and tear is acceptable. However if obvious damage is noticeable, return to Ferno or an authorised agent for repair or replace the entire leg unit.
8. Inspect the load rating labels on either the head or leg and ensure all the information is legible.

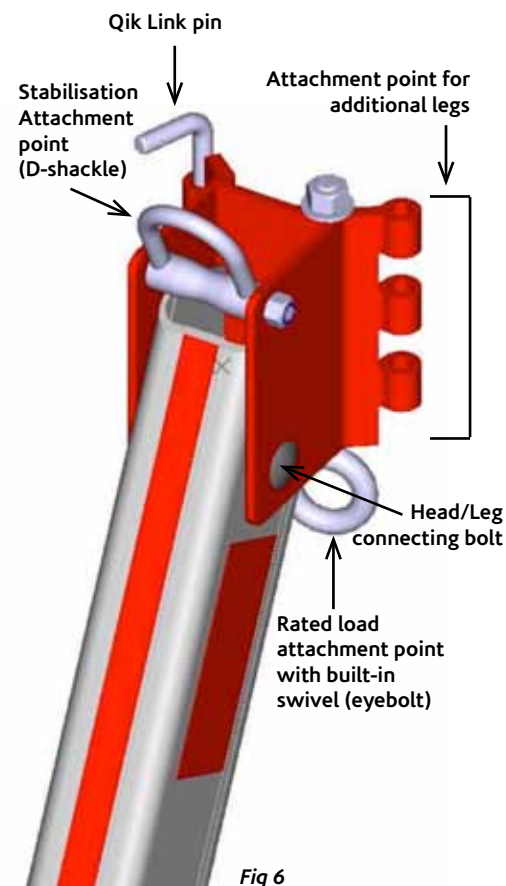



Fig 6

Pulley Leg (Fig 7)

1. Follow all the inspection procedures as laid down for the Standard Leg.
2. Inspect the pulley and ensure that the pulley rotates freely and there is no binding up or resistance on the bearings of the pulley. Inspect the grooves of the pulley and ensure there is no damage or sharp edges within the sheave.
3. Ensure the two detent pins are fully operational and insert easily into the holes of the head. If they show signs of rust, lubricate with a Teflon based spray lubricant. The pulley has been designed to accommodate up to 13mm fibre rope as well as up to 8mm steel/stainless steel wire rope cable.
4. The stabilisation attachment point (D-shackle) is removable. It is attached with the two detent pins via a cable. Ensure the cable is intact and free from damage. If any parts are damaged, replace with the following parts:

-  **D-shackle on cable, with ring #90-0007**
SS Detent Pin - 3/8" dia x 3" #68-0036

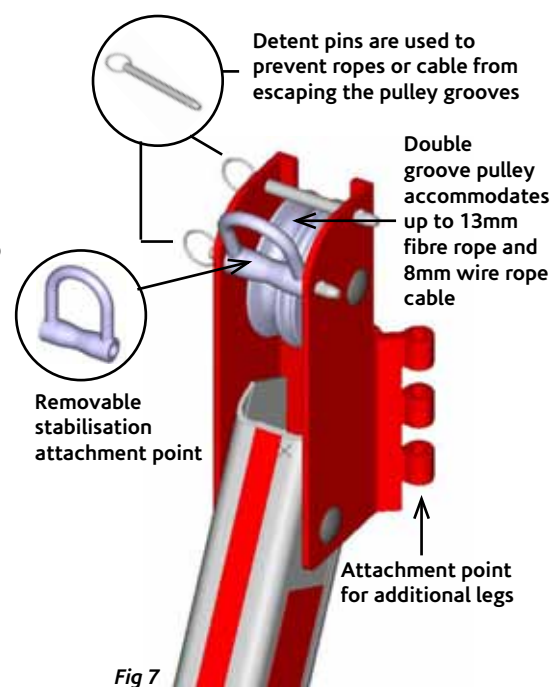

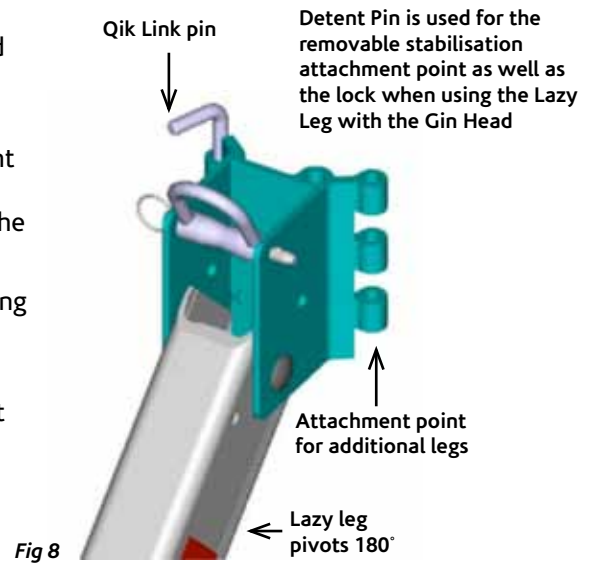


Fig 7

Lazy Leg (Fig 8)

1. Follow all the inspection procedures as laid down for the Standard Leg.
2. The Lazy Leg is coloured blue for easy identification. It has a pivot range of 180°. Remove the Detent Pin and Stabilisation Attachment Point (D-shackle) from the head. If a Lazy Leg Adaptor is present, remove it. Refer to Arachnipod Operators' Instructions regarding the Lazy Leg Adaptor application and use.
3. Ensure the Lazy Leg Head can pivot 180° and that there is no binding up or stiffness in the pivot action.
4. The stabilisation attachment point (D-shackle) is removable. It is attached with the Detent Pin via a cable. Ensure the cable is intact and free from damage. If any parts are damaged, replace with the following parts:

-  **D-SHACKLE on cable, with ring #90-0007**
- SS DETENT PIN 3/8" dia x 3" #68-0036**
- ARACHNIPOD QIK LINK Head Pin #22-1002**




FOOT INSPECTION


Standard Feet (Fig 9)

Standard feet are supplied with all legs.

1. Remove the Detent Pin from the leg and inspect the Detent Pin and cable attachment. Replace the cable if it is damaged with part:


-  **CABLE, 150mm with rings #91-0004**
- SS Detent Pin - 3/8" dia x 2.5" #68-0035**

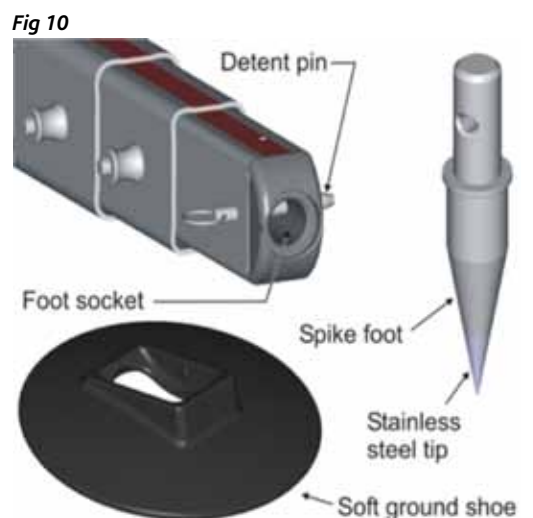
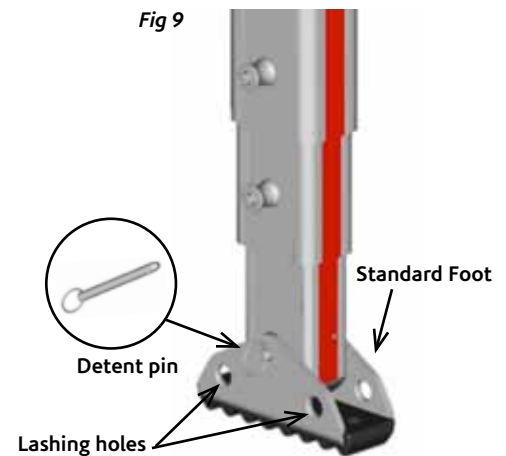
2. Inspect the foot ensuring the polyurethane plastic tread is not damaged.
3. Inspect the foot and lashing holes for deformation, damage and sharp edges. If any of these are evident, replace the foot with part:

-  **ARACHNIPOD FOOT, with tread #07-1024-0**

Spike Foot (Fig 10)

A Spike Foot can be used for point loading and ground penetration applications. A stainless steel tip has been incorporated to extend the service life of the Spike Foot. The Spike Foot inserts in to the foot socket on the leg end and is held in place with a Detent Pin.

1. Inspect the Spike Foot for deformation, damage and sharp edges. If the Spike Foot's stainless steel tip is deformed and damaged, it can be replaced by unscrewing the tip and replacing it with a new tip.
-  **SPIKE FOOT TIP #22-1004; SPIKE FOOT with tip #90-0120** Prior to inserting the new tip, place Loctite® 7262 thread-locking compound on to the thread and then tighten.
2. Insert the Spike Foot into the foot socket on the leg, ensuring the Spike Foot slides smoothly into the socket. Align the Spike Foot Detent Pin hole and insert the Detent Pin through these holes. The insertion and locking process should be smooth and easy.
3. Remove the Detent Pin and Spike Foot from the leg and repeat this process for all the Spike feet.



Soft Ground Shoe (Fig 11)

The Soft Ground shoe is used in conjunction with the Spike Foot and is fitted to the leg over the Spike Foot.

1. Inspect each Soft Ground shoe ensuring there is no deformation or cracking present.
2. Insert a Spike Foot into the leg prior to checking the operation of the Soft Ground Shoe.
3. Place the Soft Ground Shoe on to the curved part of the foot adaptor plug on the bottom of the leg, ensuring the Soft Ground Shoe moves freely and stays in place once inserted on to the leg.

Replacement/ additional Soft Ground shoes part number:
ARACHNIPOD SOFT GROUND DISC #34-0032



Fig 11



HOLD DOWN STAKE INSPECTION (Fig 12)

A Hold Down Stake can be used to secure a Standard Foot to the ground. The Foot Locating Spike lines up with one of the holes in a Standard Foot.

1. Inspect the Hold Down Stake and ensure there is no deformation or damage. Ensure the welding on the component is intact and there is no cracking on the welded areas.
2. Ensure the Foot Locating Spike feeds easily through Standard Foot hole as illustrated in Fig 12.

Replacement/additional hold down stakes are available:
ARACHNIPOD SOFT GROUND STAKE #16-1046-0

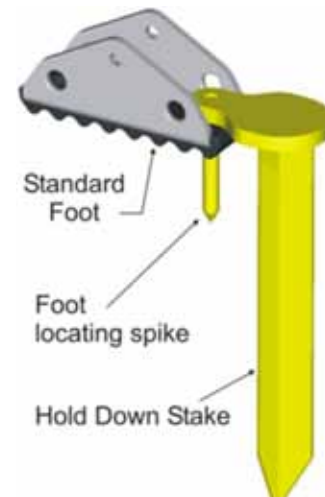


Fig 12

GIN HEAD INSPECTION (Fig 13)

The Gin Head is used with a Lazy Leg to form a Gin Pole.

1. Inspect the Gin Head for any damage, deformation and sharp edges.
2. Insert the Gin Head into the Lazy Leg ensuring there is no binding or resistance during insertion.
3. Place the Lazy Leg Detent Pin into the Lazy Leg and ensure the pin moves smoothly through the Detent Pin hole of the Gin Head and Lazy leg.
4. Ensure the label on the Gin Head is legible and that all information on the label is intact. If the information is obscured or illegible, replace the label or remove the unit from service.

Replacement label part: **GIN HEAD LABEL #51-0063**

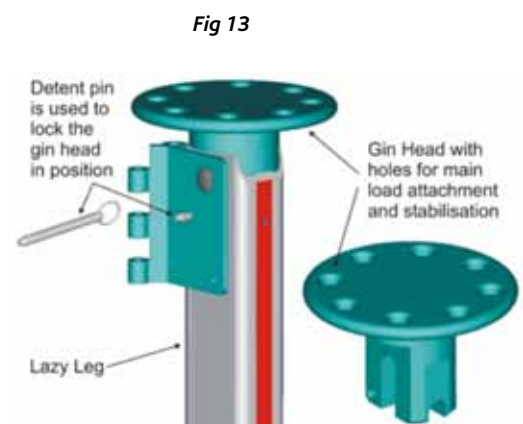


Fig 13

RIGGING PLATE INSPECTION (Fig 14)

A rigging plate is used when two legs are connected as an A-Frame.

1. Inspect Rigging Plate and ensure there is no deformation, damage or sharp edges.

Replacement/additional rigging plates are available:
 **ARACHNIPOD RIGGING PLATE #26-0007-0**

Qik Link pins used to lock the Rigging Plate into position

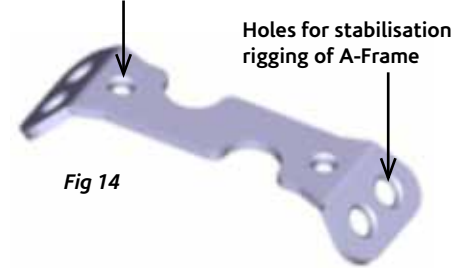


Fig 14

EQUIPMENT BRACKET (Fig 15)

The Equipment Bracket must only be used when attached to the mid section of the telescopic leg.

1. Remove lynch pins from leg pins to release and remove leg pins from Equipment Bracket.
2. Inspect cables that attach the leg and lynch pins and ensure cables are not damaged. If there is any damage, replace the cables.
3. Ensure the bolts on the attachment point are tight and secure. If either of the bolts are loose, remove the bolt and apply Loctite® 7262 thread locking compound to the threads and re-tighten the bolt. **Be careful not to cross-thread the bolts as the product will become unsafe, dramatically reduce the WLL and be dangerous to use.** If cross threaded, the unit must be sent back to Ferno Australia.
4. Ensure the label on the Equipment Bracket is readable and that no writing/ information is obscured. If there is damage to the label, replace it.

 **EQUIPMENT BRACKET LABEL #51-0064**
CABLE, 150mm with rings #91-0004
ARACHNIPOD BALL LOCK Leg Pin #68-0054

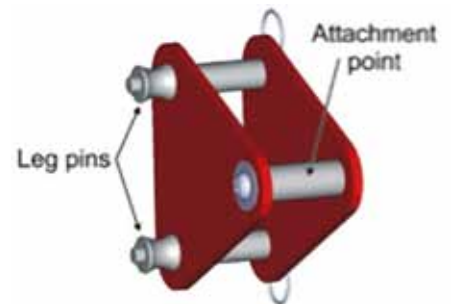


Fig 15

REVERSE HEAD (Fig 16)

1. Remove the Qik Link pin from the head and inspect the pin for any damage or deformation. Inspect the cable on the Qik Link pin that holds the pin on the head for damage. In the event of damage or deformation, replace cable with:

 **CABLE, 250mm with rings #91-0005**

2. Inspect the attachment points (cutouts) and ensure they are not damaged and that the Qik Link pin inserts easily into the cutouts. Ensure the Qik Link pin locks into the spring keeper and the pin is held firmly into place once inserted into the head attachment point.
3. Inspect the entire head and D-shackle for damage and indentations. Normal wear and tear is acceptable. If obvious damage is noticed, replace the entire unit.
4. Ensure the D-shackle centre bolt is tight and the actual D-shackle pivots freely on the bolt. If the bolt and nut are loose, retighten Nylock nut on the side of the Head.
5. Inspect the load rating label on the Head and ensure all the information is legible.

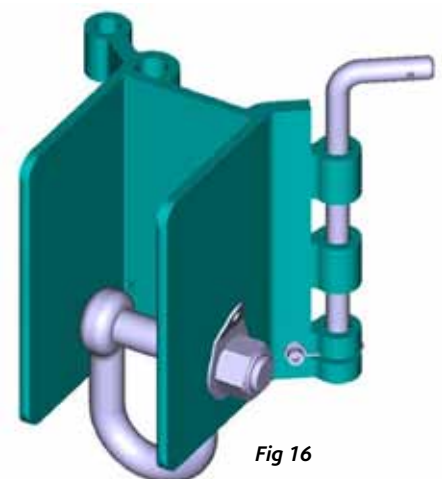


Fig 16

BRIDGE BEAM & TROLLEY INSPECTION (Fig 17)

Bridge Beams are available in lengths up to 6m.

Bridge Beam

1. Lay the Bridge Beam on a flat surface and ensure there is no bending or deformation of the beam. Ensure there are no sharp edges, deep indentations or cracks within the Bridge Beam.
2. Inspect each Head attachment point ensuring the Qik Link pins are aligned and they insert smoothly into the cutout sections. Ensure the Qik Link pins bed securely into Spring Keeper.
3. Ensure all the bolts that hold the head attachment points on to the beam are tight and fastened. If any bolts are loose, re-tighten them.
4. Inspect the Trolley rope. The rope should be tied to the eyebolts on the Bridge Trolley with Yosemite bowline knots. Check the knots are secure and ensure there is no damage, evidence of chemical contamination or abrasion of the rope. If any of these are present, the rope must be replaced. It is important to replace the rope with 8mm kernmantle rope as supplied by Ferno Australia.
5. Inspect the pulleys through which the trolley guide rope runs at each end of the Bridge. Ensure that pulleys move freely and do not bind up. If the bearings need replacing, return the unit to Ferno or an authorised Ferno repair agent.

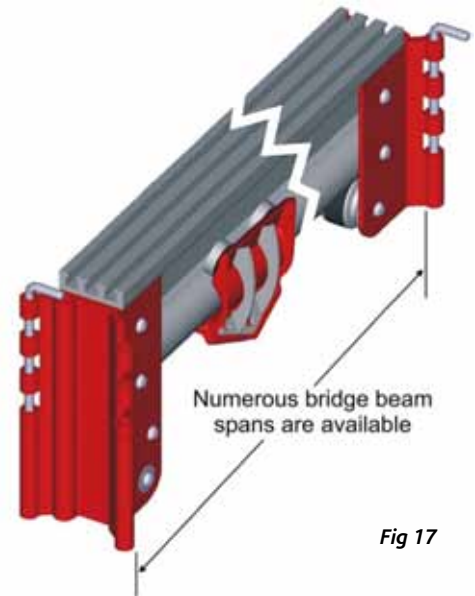


Fig 17

Bridge Beam Trolley

1. Inspect the Bridge Beam Trolley ensuring there is no deformation, damage or rust on the trolley.
2. Check all the bolts on the Bridge Beam Trolley are fastened and secure.
3. Ensure the Trolley or bearings on the Bridge Beam Trolley are not corroded and that the bearings rotate freely without any resistance. If the bearings need replacing, return the unit to Ferno or an authorised Ferno repair agent.
4. Check the trolley has the SWL/ WLL label present. If illegible or missing, replace the label with:

 **ARACHNIPOD BRIDGE TROLLEY 250kg WLL Label #51-0069**

ARACHNIPOD WINCH INSPECTION (Fig 18)

The Winch is supplied with a bracket to mount it to the mid-section of any Arachnipod supporting leg. It is rated to 220kg/ 485lb.

Thorough Inspection of Arachnipod Winch

1. Clean if required and visually inspect the winch and mount bracket for physical damage and chemical contamination.
2. Check for cracks, corrosion, deformation, abrasions and any other damage.
3. Check the label is in good condition and legible. Replace if



Fig 18

necessary.

 **ARACHNIPOD WINCH LABEL #51-0066**

NOTE: When replacing a label, the Winch serial number must be transferred to the new label and recorded in the equipment log.

Thorough Inspection of Winch Wire Rope Cable

1. Unwind the drum until the cable is completely unwound.
2. Visually inspect the entire length of the wire rope by passing the wire rope through gloved hands, flexing the cable every few inches to expose any broken strands of wires.
3. Inspect for any degradation or damage. Especially look for cuts, local surface abrasion, signs of chemical contamination, corrosion (rust), discolouration and glazing. Special attention should be paid to the wire rope around the swaged eye.
4. The cable has a red indicator to alert users when there is only 1m of cable left on the drum. Check this red heat shrink marker is still present on the cable. It should be approximately 1m from the drum.
5. Ensure wire rope end is securely fastened to the drum of winch. Check that the wire rope is threaded through the hole within the bolt and that the nut is securely fastened.
6. Check there are three (3) wraps of cable secured together with a swage, and that the swage is tight.
7. The cable should be replaced if there are six or more randomly broken wires in one lay, or three or more broken wires in one strand in one lay. If the cable needs replacing, return the complete winch to Ferno or a Ferno authorised repair agent.

Winch Notes

- LAY is a length of wire rope that it takes for one strand to complete one revolution or twist along the cable
- STRAND is a larger group of wires that make up a cable.
- The cable should be replaced if there are any broken wires within 25mm (1") of the metal swages at either end of the cable.
- The cable assembly should be replaced if the cable is severely kinked, cut, crushed, burnt, corroded or suffering any other type of damage.

Thorough Inspection Function Test

1. Extract 600mm to 1000mm of rope
2. Apply 50kg weight to the rope. The rope should lock off with no slippage.
3. Wind the winch making sure that the gears aren't slipping.

Lubrication on the Winch

The only lubrication to be used on the winch is an aerosol spray chain lube. This should only be applied to the gears.

ARACHNIPOD KIT RECORDS

Each Arachnipod Kit is assigned a Kit Number. This is one collective number recorded on Ferno Australia's database, which references all individual serial numbers contained within the Arachnipod kit.

A kit contains more than one item with a serial number. It can be just a tripod, a tripod plus accessories, a Bridge Kit, a full TEMS kit etc. The Kit Number can be found next to the serial number on ONE of the standard legs contained within the kit. **Please record this number in the space below along with all the individual serial numbers for your own reference.**

KIT NUMBER: DATE PURCHASED:

TICK TYPE OF KT PURCHASED BELOW:

Tripod	<input type="checkbox"/>	Bridge Kit	<input type="checkbox"/>	Lazy Leg Kit	<input type="checkbox"/>
Lazy Leg Extension Kit	<input type="checkbox"/>	Rescue	<input type="checkbox"/>	Rescue Plus	<input type="checkbox"/>
Advantage Basic	<input type="checkbox"/>	Advantage Plus	<input type="checkbox"/>	Total Edge Management System	<input type="checkbox"/>

Record serial numbers and commission dates in the table below.

ITEM		SERIAL NUMBER	DATE COMMISSIONED INTO SERVICE
Tripod	Leg 1	AP-	
	Leg 2	AP-	
	Leg 3	AP-	
Lazy Leg		AP-	
Additional Leg		AP-	
Bridge		AP-	
Reverse Head		AP-	
Fall Arrest Block		AP-	
Winch		AP-	
Lazy Leg Extender	Head Assy	AP-	
	Plate Assy	AP-	
		AP-	
		AP-	
		AP-	
		AP-	
		AP-	

REGULAR & ANNUAL INSPECTIONS

- The unit must be inspected before and after every use by the operator.
- Additionally, the Arachnipod must be inspected by a competent, instructed, accredited person at least once a year to ensure the unit is fully functional.
- Details of this annual inspection should be recorded using the Inspection Record Form below.
- Please make additional copies of this Inspection Record Form as required or download the Form from Ferno Australia's website: www.ferno.com.au

Record details of Annual Inspection in the table below.

ANNUAL INSPECTION RECORD			
<input type="checkbox"/> Tripod	<input type="checkbox"/> Lazy Leg	<input type="checkbox"/> Spare Legs	<input type="checkbox"/> Bridge
<input type="checkbox"/> Reverse Head	<input type="checkbox"/> Fall Arrest Block	<input type="checkbox"/> Winch	<input type="checkbox"/> Accessory Kit
<input type="checkbox"/> Lazy leg Extender Kit			
<i>Detail any items requiring maintenance and action taken. Use additional Forms as required.</i>			
ITEM & SERIAL #	MAINTENANCE & ACTION TAKEN		
Inspected by: Name: (PRINT NAME) Signature:	Inspection Date: / / <div style="display: flex; justify-content: space-around; width: 100%;"> DAY MONTH YEAR </div>		

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ANNUAL INSPECTION RECORD

- | | | | |
|--|--|-------------------------------------|--|
| <input type="checkbox"/> Tripod | <input type="checkbox"/> Lazy Leg | <input type="checkbox"/> Spare Legs | <input type="checkbox"/> Bridge |
| <input type="checkbox"/> Reverse Head | <input type="checkbox"/> Fall Arrest Block | <input type="checkbox"/> Winch | <input type="checkbox"/> Accessory Kit |
| <input type="checkbox"/> Lazy leg Extender Kit | | | |

Detail any items requiring maintenance and action taken. Use additional Forms as required.

ITEM & SERIAL #	MAINTENANCE & ACTION TAKEN

<p>Inspected by:</p> <p>Name: (PRINT NAME)</p> <p>Signature:</p>	<p>Inspection Date:</p> <p>..... / /</p> <p style="text-align: center;">DAY MONTH YEAR</p>
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SPECIFICATIONS: WORKING LOAD LIMITS (WLL)

The typical weight of a single person load ranges from 80kg to 120kg (176lb[†] to 265lb) depending on a number of factors. The safe working load (SWL) of the Arachnipod **exceeds** this load in all configurations.

The weight of a rescue load typically ranges from 200kg to 280kg (440lb to 617lb) depending on a number of factors. The Arachnipod offers many configurations that match or exceed the 280kg load with only a few exceptions.

The table below outlines the safe working loads of the Arachnipod in various configurations.

	Leg c	SWL External Anchor Point	MBS	SWL Load Anchored to Leg
Gin Pole at 2050mm extension	F-6	280kg/ 616lb	28kN	N/A
Gin Pole at 3050mm full extension	A-1	150kg/ 330lb	15kN	N/A
A-Frame <i>or</i> Offset A-Frame <i>or</i> A-Frame with Lazy Leg	A-1 B-2 C-3	280kg/ 616lb 340kg/ 784lb 400kg/ 880lb	28kN 34kN 40kN	220kg/ 485lb
Tripod and Quadpod	A-1	400kg/ 880lb	40kN	
Handrail Monopole	F-6	280kg/ 616lb	28kN	
Bridge Beam 2000mm span*	A-1	280kg/ 616lb	28kN	
Bridge Beam 3000mm span*	A-1	230kg/ 506lb	23kN	
Bridge Beam 4000mm span*	a-1	175kg/ 385lb	17.5kN	



NOTE: * If Bridge Beam has Strongbac fitted, WLL for Bridge Beam becomes 280kg/ 616lb at any length up to 6000mm/ 19' 8"

* WLL for Bridge Trolley is 250kg/ 550lb (MBS 24.5kN)

† Throughout this manual 1lb (pound) = 0.453kg and 1kg = 2.2lb

DIMENSIONS & WEIGHT

ITEM	STORAGE	MAX LENGTH	WEIGHT
Standard Leg	1420mm / 56"	3050mm/ 120"	8.6kg/ 19lb
Pulley Leg	1550mm/ 61"	3150mm/ 124"	10kg/ 22lb
Tripod	370mm x 130mm x 1420mm 14.6" x 5.1" x 56"	see Leg Lengths	25.8kg/ 57lb
Tripod with Pulley Head	370mm x 130mm x 1550mm 14.6" x 5.1" x 61"	see Leg Lengths	27.2kg/ 60lb
Tripod Bag	380mm x 150mm x 1600mm 15" x 6" x 63"		0.9kg/ 2lb
Accessories Bag	400mm x 200mm x 660mm 15.7" x 7.9" x 26"		19kg/ 41.8lb
Bridge Bag (2m)	300mm x 160mm x 2150mm 11.8" x 6.3" x 84.7"		35kg/ 77lb

