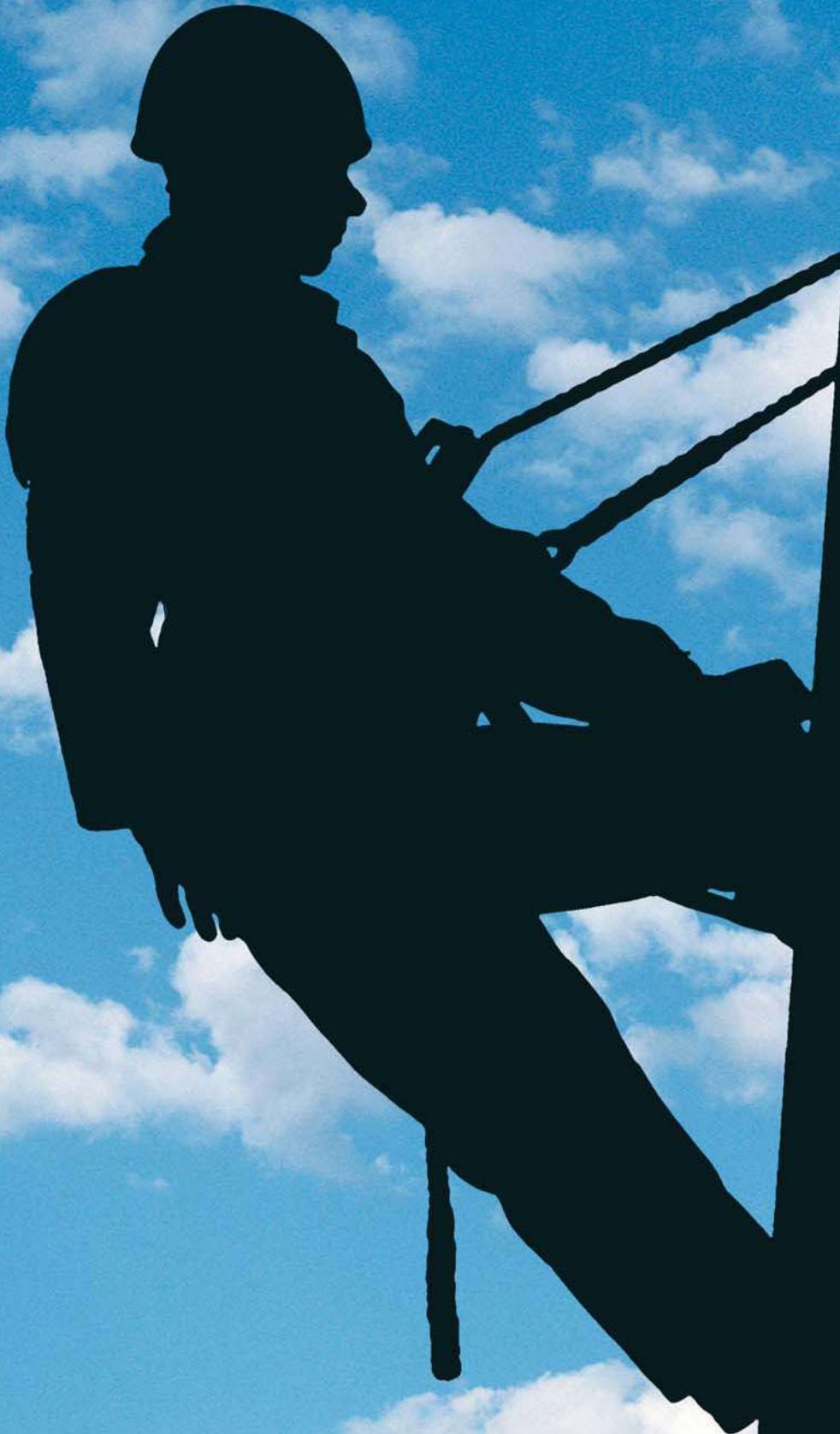


01

Height Safety  
Lifting  
Lashing

SpanSet®





# SpanSet®

INFORMATION

**SpanSet Limited is part of the SpanSet International Group which has twelve operating companies sited across the world.**



Based in a modern, purpose-built factory in Middlewich, Cheshire. SpanSet Limited has been in operation in the UK for over 30 years.

The company's vast experience in webbing-based products provided the perfect background for the development of the innovative range of height safety equipment shown in the following pages.

## **CONTINUOUS PROGRAMME OF DEVELOPMENT**

SpanSet is committed to the design and manufacture of products to our customers need. We attribute the success of our products to our good listening skills and our policy of continual research and development, covering all applications from Fall Arrest and Work Positioning to Rope Access and the Gotcha Rescue Range. All SpanSet's products have been developed with total safety in mind.

## **RIGOROUS QUALITY STANDARDS**

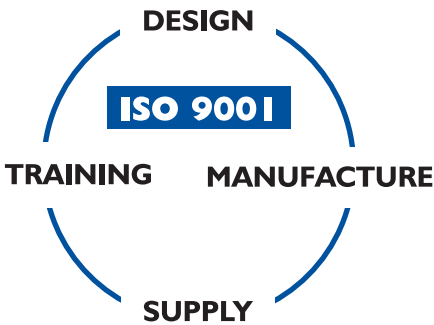
### **ISO 9001: 2000**

The ISO System for the Registration of Firms of Assessed Capability - ISO 9001 : 2000 - is intended to act as a completely independent and regulated audit of a firm's ability to operate an efficient and effective Quality System. This benefits the customer through the absolute assurance of product quality. It can also cut our customers' needs for supplier assessments and received goods inspection costs as well as improving business relationships with our customers.

Our scope for registration includes the design, development and manufacture of fall arrest systems together with relevant training courses.



**PRODUCT CIRCLE**



By specialising in all areas SpanSet are able to address customer requirements more effectively.



**SPANSET TRAINING COURSES**

Based upon our commitment to quality it is SpanSet's aim to provide training and support for height safety products and techniques. SpanSet's training courses provide the client with a knowledge of equipment and techniques allowing them to operate safely in designated environments.

A comprehensive, modular based range of training courses have been developed based on user feedback.

This clearly structured hierarchical plan of training allows for planned progress to be made.

SpanSet offers training covering basic harness use and inspection through various stages and options to highly specialised rope access techniques and legislation.

Training modules are available to suit most industries. The police and emergency services are catered for with modules specifically designed for their requirements.

Training can be carried out either at SpanSet or on-site.

SpanSet is the first fall arrest equipment manufacturer to be accredited by the BSI and registered to ISO 9001 covering height safety training.





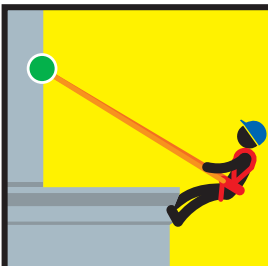
## HIERARCHY of measures for work at height when using

Prior to carrying out work at height careful consideration should be given to ensure that the safest possible solution is chosen. It is not acceptable to select a method of work without first considering the alternatives. A hierarchy of measures exists to assist in this process. Users should ensure that they select an option as high in the hierarchy as possible. By doing so the potential risk to the user will be minimised. At the top of the hierarchy and the safest option is **AVOIDANCE**, wherever possible avoid unnecessary work at height. This is followed by **WORK RESTRAINT** then **WORK POSITION** and finally **FALL ARREST**.



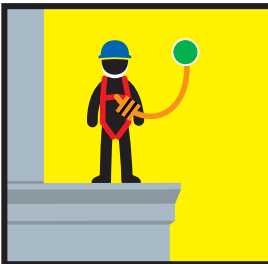
### Work Restraint

This category of work covers techniques that restrict the movement of the user to prevent them approaching fall hazards. Careful assessment must be carried out first to identify all the relevant fall hazards. An effective technique will then provide an extremely high level of safety.



### Work Position

Techniques in this category utilise equipment to suspend the user in their 'work position'. As the user is then suspended at height careful selection of the equipment and adequate training are essential in order to provide an effective solution. Work positioning techniques generally require an additional safety or back-up system. This must also be selected using the hierarchy, but it is quite common for fall arrest techniques to be chosen.



### Fall Arrest

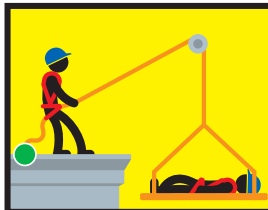
Fall arrest is the only category that actually allows a fall to take place. The fall arrest system then reacts by arresting the fall in a controlled manner. Careful consideration must be given to ensure that the system selected is suitable for use in the intended orientation and that there is adequate clearance height below the user to prevent contact with obstacles during a fall.

## Additional specialist topics for work at height



### Confined Space

Safe access and egress from confined spaces requires careful planning. When the access or egress also includes the potential for falls, then it is considered as work at height. The choice of equipment and techniques must be selected according to the hierarchy of measures. In all cases rescue and recovery must be considered as well as providing a system to prevent falls in the event that the primary system fails.



### Rescue

When working at heights incidents or occurrences have an additional element - That of Rescue or Recovery. Depending upon the situation the recovery of a suspended or injured worker may require specialised equipment and techniques. This issue must be included in the initial assessment process. We offer solutions to both general users of height safety equipment as well as professional rescue organisations, all within the Gotcha Rescue Range.


	BOX	DESCRIPTION
<b>KEY</b>	<b>HARNESSES/LANYARDS</b>	<b>SPANSET HARNESSES, LANYARDS MOST SUITABLE FOR THE CATEGORY OF WORK</b>
	<b>SPECIALISED</b>	<b>SPANSET PRODUCTS RELATING TO SPECIFIC REQUIREMENTS</b>
	<b>RECOMMENDED KIT</b>	<b>SPANSET PRODUCT(S) RECOMMENDED FOR THE SPECIFIC INDUSTRIAL SECTORS</b>






# Personal Protective Equipment




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 Confined Space

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**Height Safety and Rescue Training**  
When working at heights it is essential that users fully understand the equipment and techniques required. Without adequate training the safety equipment itself can become a hazard. SpanSet training is designed to cater for users who demand the best from their equipment. The course modules offer syllabi to suit most situations, we provide courses for industry, police, emergency and security services, our training is quality assured and extremely cost effective.



# Harnesses

A full body harness is described as 'a body support for fall arrest purposes, i.e. a component of a fall arrest system' (BS EN363). Additionally SpanSet recommend full body harnesses as the most suitable type of harness for use in work restraint systems.

SpanSet harnesses have been designed with the user in mind. Our design criteria considers that a full body harness should, be constructed from materials that conform to the shape of the user with minimal restriction, be easy to fit and adjust, offer full security and support in the event of a fall. This is when the user needs it the most.

## Why choose a SpanSet Harness?

All SpanSet Harnesses offer

- 1 High quality polyester webbing so that it is supple and conforms to the users shape.
- 2 Polished Stainless Steel fittings throughout for corrosion resistance and ease of adjustment.
- 3 Additional reinforcement at high wear areas where required.
- 4 Clear labelling showing the model, year of manufacture, standards tested to and individual serial number for traceability.
- 5 Fitting instructions in pictorial form.
- 6 Stitch patterns clearly visible for ease of inspection.
- 7 Web tidies to secure loose ends.
- Lightweight and cost effective.
- Available in versions suitable for persons up to 136kg





# Lanyards

A lanyard is described as ‘a connecting element or component of a system’.

A lanyard may be of synthetic fibre rope, wire rope, webbing or chain.’

(BS EN363). This definition applies to both fall arrest and restraint lanyards.

In the case of fall arrest lanyards they will also incorporate a shock absorbing element which is described as ‘a component of a fall arrest system’. An energy absorber guarantees the full ability for the safe arresting of a fall from a height in all cases of recommended application.’ (BS EN363)

SpanSet lanyards have been designed with the application in mind. Our design criteria considers, that the lanyard should be of suitable configuration, adequate length for the task without compromising the users safety, with connectors that allow ease of attachment to other compatible elements.

Careful selection will ensure that the user can carry out their task safely and effectively.

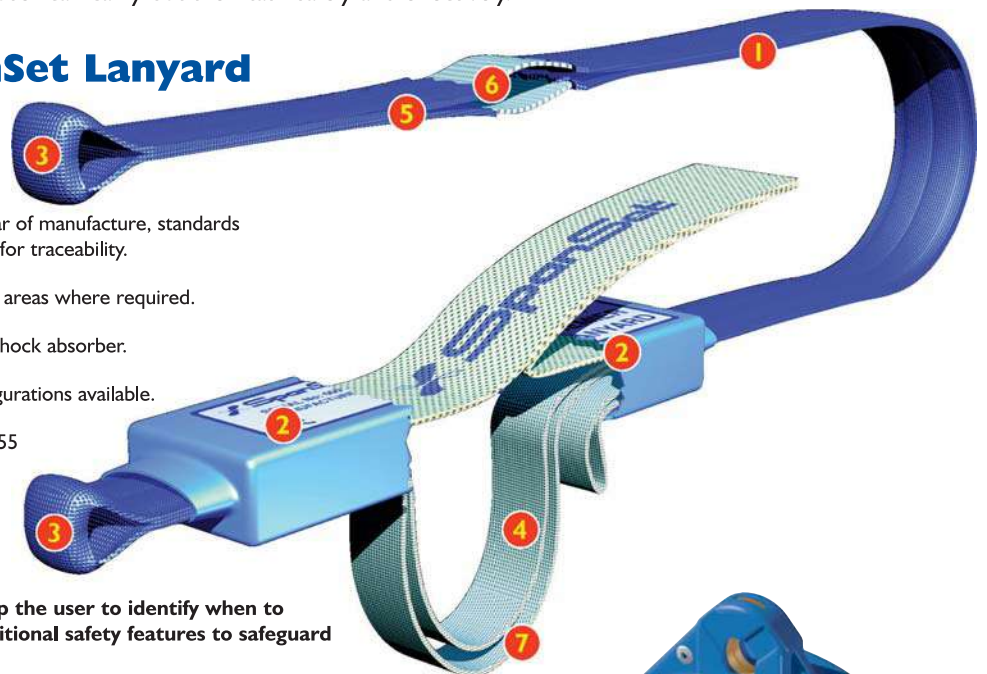
## Why choose a SpanSet Lanyard

### All T-PAK lanyards offer.

- 1 High quality polyester webbing.
- 2 Clear labelling showing the model, year of manufacture, standards tested to and individual serial number for traceability.
- 3 Additional reinforcement at high wear areas where required.
- 4 Integral back-up security strap in the shock absorber.
- 5 A wide range of connectors and configurations available.
- 6 All T-PAK Lanyards are tested to EN355

The T-PAK Titan lanyard is designed with a new concept in mind. Our aim is to provide a lanyard that is ‘up to the job’ throughout its lifespan, that will help the user to identify when to retire the lanyard, and incorporates additional safety features to safeguard the user in extreme circumstances.

- 5 Fully sheathed lanyard for increased durability and strength. Extreme UV resistance.
- 6 Innovative construction with colour change feature which defines when excessive wear has occurred whilst still providing full protection to the user. The deterioration of the lanyard after this point cannot be clearly defined and the unit should be retired.
- 7 Double integral back-up security straps in the shock absorber for full security.
- 8 Suitable for persons up to 136kg.
- 9 Lightweight and cost effective.



# Fall Arrest Blocks

Mechanical fall arrest devices are safety lines that pay out and retract as the user demands.

They are available in cable or webbing versions, in a large variety of lengths, but all work on the same principle. In the event of a fall the device reacts quickly, arresting the user and ensuring they do not receive a high impact force.

Due to their design these devices can be a good choice when working in areas with low clearance heights. The fall arrest and recovery devices include a winching facility that can be utilised in the event of a fall. This allows the user to be raised or lowered to a point of safety. This facility is not to be used for routinely raising or lowering personnel.



# Horizontal Safety Lines

The SpanSet Horizontal Safety Line is a temporary anchorage line, designed for use in conjunction with compatible fall arrest and work restraint equipment. It provides a lightweight and easily installed solution for a wide variety of situations.

The line is installed by attaching it between two anchorages that are rated to a minimum of 15kN. The anchorages can be structural elements, tested installations or certified components. It is then tensioned using the ratchet, which is locked off once complete. The maximum length available is 20 metres, although the line can be set at any length up to that. Once finished with the line is easily removed and can be re used many times, provided that it is suitably inspected and maintained.

## Fall arrest use

The HSL is tested for single person use with a fall arrest lanyard (EN355). The location of the line in relation to the user and the length of lanyard selected will vary the safe working height. SpanSet can assist with this assessment.

## Work restraint use

When used as part of a work restraint system the horizontal line is suitable for multiple users. They can attach to it using restraint or fall arrest lanyards which can be fixed length or adjustable providing that they adequately restrain the user from approaching the hazard. They may also attach using adjustable restraint systems such as the SpanSet standard safety line (SSL-A). This will enable the user to cover a larger working area as long as the SSL-A is adjusted correctly.

The Horizontal Safety Line is available with swivel hooks or plain loops at each end. The loop version needs EN362 karabiners connectors for attachment.

The system is supplied in an integral bag with shoulder strap for ease of carrying. The bag also helps to store excess webbing when not in use.

For inspection purposes there is a black line woven into the webbing selvage.

When this becomes visible the horizontal safety line must be withdrawn from service.

Available in lengths up to 20 metres.

CE approved using the procedure described in EN795.

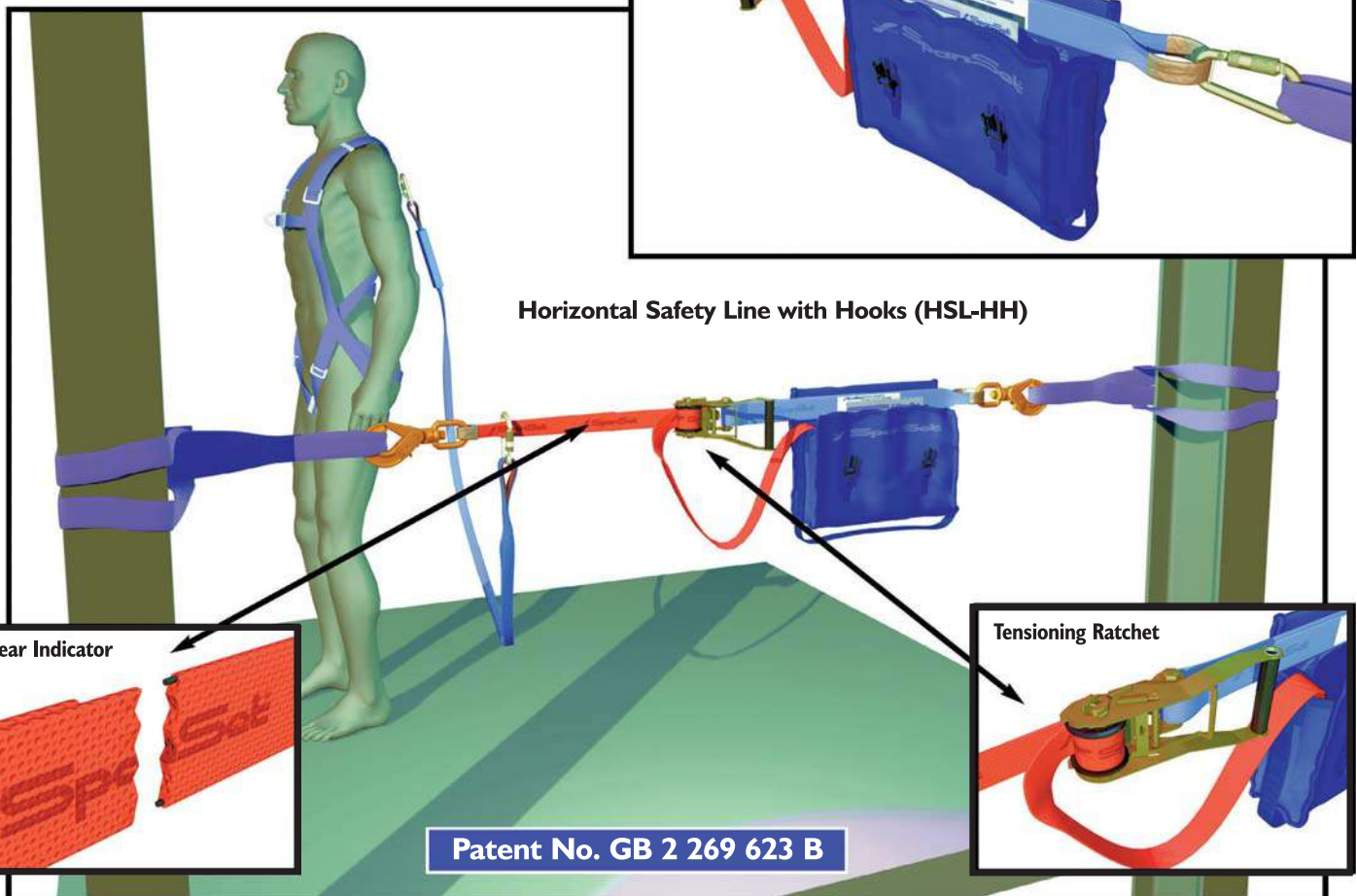
Horizontal safety line patent no. GB 2 269 623 B

Order Code: HSL-HH

Order Code: HSL-LL



Horizontal Safety Line with Loops (HSL-LL)



Horizontal Safety Line with Hooks (HSL-HH)

Wear Indicator

Tensioning Ratchet

Patent No. GB 2 269 623 B



## SpanSet Recommended Kits



Horizontal Line System  
Fall Arrest



Horizontal Line System  
Work Restraint

Order : HSL KIT

Kit Content:

- HSL 18m-LL
- 2 Point Harness
- Adjustable Fall Arrest Lanyard  
1.95m length inc fittings
- SSL-A-10m
- ATSL-1m x 2

**KIT SUPPLIED WITH HOLDALL**



WE OFFER A COMPREHENSIVE RANGE OF TRAINING COURSES

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# Work Restraint

In the event of a user being required to approach an unprotected fall hazard then the safest form of protection is a work restraint system.

A work restraint system uses equipment to prevent the user from being able to approach the hazard and therefore no fall can occur. Once set up the user will become reliant upon the work restraint system, their awareness of hazards will decrease and the importance of the initial assessment becomes apparent.

Equipment that is designed for fall arrest and work positioning may also be suitable for work restraint. If you have any doubts as to the suitability of height safety equipment please contact SpanSet.

## FIRST - SELECT A HARNESS SUITABLE FOR WORK RESTRAINT

### Harnesses suitable for Work Restraint

#### IPL Harness

Order Code: IPL



- One fall arrest link at rear.
- A lightweight full body harness.
- Stainless Steel fittings.
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

#### 2-Point Harness

Order Code: 2P



- Fall arrest links at front and rear
- A lightweight simple to use full body harness
- Stainless Steel fittings
- Fitted with clear usage instructions
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

#### Jacket Harness

Order Codes: JH-STD/JH-LRG



- Fall arrest links at front and rear
- The jacket harness combines a full body harness and a high visibility jacket with reflective strips
- Stainless Steel fittings
- Side work positioning attachments
- Available in standard and large
- Padded Waist
- Facility to add a Lifejacket (Refer to Fall Arrest Pages for description of Lifejacket harness)
- SOLAS Flame tested
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361 & EN358

## NOW CHOOSE A SUITABLE LANYARD

### Lanyards suitable for Work Restraint

#### Restraint Lanyard

Order Code: RLI.5M



- Comprising of:
- Two twist lock Karabiners
  - Re-inforced with PVC sleeving.
  - 1.5m length inc. fittings

CE approved to EN 354

#### T-PAK 3 Loop Lanyard

Order Code: TP3L252



- Comprising of:
- Two Steel Twistlock Karabiners
  - Fully Shock Absorbed Pack
  - 1.95m in length inc. fittings
  - 3 Loops to allow lanyard to be shortened

CE approved to EN 355

#### Adjustable Restraint Lanyard

Order Code: ARL027



- Comprising of:
- Two steel twist lock Karabiners
  - Adjustable from 1.3m to 2.0m

CE approved to EN 354

#### T-PAK Adjustable Lanyard

Order Code: TPA029



- Comprising of:
- Two Steel Twistlock Karabiners
  - Fully Shock Absorbed Pack
  - Adjustable from 1.3m up to 2 mtrs

CE approved to EN 355

Try one of our recommended kits see page 13



## HAVING CHOSEN A HARNESS AND LANYARD YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Temporary Horizontal Safety Lines

**Horizontal Safety Line**  
Order Code: HSL-HH/HSL-LL



**UK Patent No: GB 2 269 623 B**

A simple to install horizontal webbing safety line incorporating ratchet for tensioning. For restraint purposes the horizontal safety line can be used in conjunction with the fixed length or adjustable restraint and fall arrest lanyards. It can also be used as an anchorage for use with the SpanSet standard safety line or for fall arrest use.

- For single person use
- Assembly provided in a robust bag with shoulder straps enabling the user to easily carry it to the workplace
- For safety, a black wear line is incorporated into the webbing edge. If it becomes visible, the line must be taken out of service
- Available in maximum length of 20m
- Available with loops at each end or hooks at each end
- Standard length 18m.
- HSL-LL = Horizontal Safety Line with Loops
- HSL-HH = Horizontal Safety Line with Hooks
- Individually serial numbered for traceability

**N.B.** Two safety slings are required in use  
CE approved using the test procedure described in EN 795:1996 Class C

**For comprehensive details refer to pages 8 and 9.**

**Attachment Slings**  
Order Code: ATSL IM EWL



Continuous polyester sling in protective tubular sleeve.  
MBS 70kN  
Other lengths available - contact SpanSet for details.  
CE approved to EN 566 and EN 795

This product is individually serial numbered for traceability.



SpanSet Training Modules 1 and 2



Roof Top Safety



MEWPS Recommended Kits



## HAVING CHOSEN A HARNESS AND LANYARD YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Roof Top Safety

**Man Anchor**  
Order Code: MAN ANCHOR



Portable weight anchor ce marked to EN795, easily transported and simply erected. Ideal for use on roofs and locations with no suitable permanent anchorage.

- Compact, portable mobile anchor system
- Breaks down into sub 20kg components
- Designed for attachment of inertia blocks and permanent lines

CE approved to EN 795 Class E.

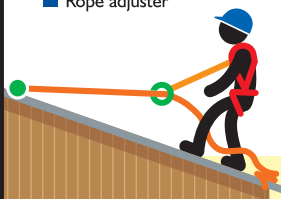
**Standard Safety Line - Adjustable**  
Order Code: SSL-A



- Standard 10m length of 16mm rope
- Double ring for creating anchorage
- Double action safety hook
- Other sizes available to order
- Rope adjuster
- Can be used with a lanyard

CE approved to EN 358

Individually serial numbered for traceability



### Fixed Anchors

These innovative anchors are specially designed to dissipate the energy generated by a fall, protecting both the worker and the structure to which it is attached. They can reduce a 22kN shock down to 8.9kN through pre-determined deformation. There are models available for all types of structures including the revolutionary RetroLink which can be top fixed without the need for underside access, and the concealed WindowLink. They are supplied in Kit form with installing instructions.

**Window Link**  
Order Code: WL



**Retro Link - Crest mounted**  
Order Code: RL



**Truslink with Side Plates**  
Order Code: TL



**Horizontal Safety Line**  
Order Code: HSL-HH/HSL-LL



- For single person use
- Assembly provided in a robust bag with shoulder straps enabling the user to easily carry it to the workplace
- For safety, a black wear line is incorporated into the webbing edge. If it becomes visible, the line must be taken out of service
- Available in maximum length of 20m
- Available with loops at each end or hooks at each end
- HSL-LL = Horizontal Safety Line with Loops
- HSL-HH = Horizontal Safety Line with Hooks
- Individually serial numbered for traceability

**N.B.** Two safety slings are required in use

CE approved using the test procedure described in EN 795:1996 Class C

**UK Patent No: GB 2 269 623 B**

For comprehensive details refer to pages 8 and 9.





## MEWPS (Mobile Elevated Work Platforms) and Aerial Work Platforms

When working in a MEWP/aerial platforms, the safest form of personal protection is a work restraint system that restricts the users movement to within the safe working area. A simple and effective solution is provided by a lightweight full body harness used in conjunction with an adjustable restraint lanyard or adjustable fall arrest lanyard.

**IPL Harness**  
Order Code: IPL



- One fall arrest link at rear.
- A lightweight full body harness.
- Stainless Steel fittings.
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

**Adjustable Restraint Lanyard**  
Order Code: ARL027



- Comprising of:
- Two steel twist lock Karabiners
  - Adjustable from 1.3m to 2.0m
- CE approved to EN 354

**Gotcha Evac**  
Order Code: GOTCHA EVAC



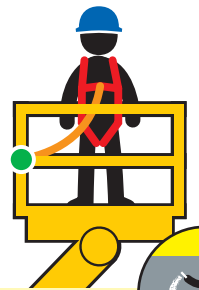
A self contained kit designed for evacuation of injured or stranded personnel from elevated platforms.

**FEATURES:**

- Lightweight/compact self contained kit
- Auto-lock Descender
- Anchoring Sling plus connecting steel karabiners
- Various lengths available
- Rope Protection
- Provided in a clearly labelled, robust "Rescue" bag with attachment points for ease of carrying.

CE EN: 341 Class D

Individually serial numbered for traceability



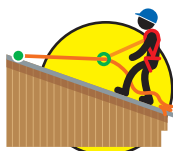
SpanSet Training Module 1

## SpanSet Recommended Kits



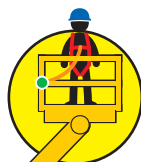
**Horizontal Safety Line**

- Order: HSL KIT  
Kit Content:
- HSL 18m – LL
  - 2 Point Harness
  - Adjustable Fall Arrest Lanyard 1.95m length inc fittings
  - SSL-A – 10m
  - ATSL- 1m x 2



**Roof Top Safety**

- Order : ROOF KIT  
Kit Content:
- 2P Harness
  - Standard Safety Line - Adjustable
  - Adjustable Restraint Lanyard 1.5m length inc. fittings



**MEWPS**

- Order: MEWP KIT  
Kit Content:
- IPL
  - Adjustable Restraint Lanyard 1.5m length inc. fittings

**KIT SUPPLIED WITH HOLDALL**





# Work Positioning

Working positioning is when the user is suspended by equipment in their work position. If a user is fully reliant upon a work positioning system then a secondary system is generally required as a backup in case of failure. The secondary system may be a work positioning system or, in most cases a fall arrest system

One of the main advantages of work positioning is having your hands free to work with. If users are able to see the benefits then they are more likely to use a system.

Equipment for work positioning is designed to cope with static loads on a regular basis, but not for dynamic loads such as those imposed by fall arrest equipment.

The care, use and maintenance of work positioning equipment is covered by LOLER (the Lifting Operations and Lifting Equipment Regulations). Users will generally require training to help with the correct usage and ensure that they comply with the demands of LOLER.

## FIRST - SELECT A HARNESS SUITABLE FOR WORK POSITIONING

### Harnesses suitable for Work Positioning

**2P + EXCEL Belt**  
Order code: 2P+BELT



- Front and rear fall arrest attachment points
  - Lightweight harness
  - Stainless Steel Fittings
  - Integrated Excel belt with side work positioning attachments
  - Adjustable at leg loops, shoulders and chest.
- CE approved to EN361: & EN:358



**Jacket Harness**  
Order Codes: JH-STD/JH-LRG



- Fall arrest links at front and rear
- The jacket harness combines a full body harness and a high visibility jacket with reflective strips
- Stainless Steel fittings
- Side work positioning attachments
- Available in standard and large
- Padded Waist
- Facility to add a Lifejacket (Refer to Fall Arrest Pages for description of Lifejacket harness)
- SOLAS Flame tested
- Adjustable at leg loops

CE approved to EN361 & EN358

**Elite Harness**  
Order code: ERH-STD



- Fall arrest links at front and rear
- Work positioning links on belt.
- Abseil point at waist
- State-of-the-art full body harness
- Stainless Steel fittings
- Adjustable at leg loops, shoulders and chest.
- Integral chest ascender attachment strap
- Integrated Flexible Seat
- 2 'gear loops' with plastic protection provide easy location for additional equipment



- Supplied with clear user instructions
- Compatible with all current height safety equipment
- Supplied in nylon storage bag

CE approved to EN361, EN358, EN813

**SpanSet Chest/Sit Harness**  
The Harness provides the user with a comfortable sitting position.

Combined SpanSet sit and chest harness are ideal for Industrial Rope Access use. They can be used in a wide variety of work situations where operators need to maintain a sitting position for limited periods.

**Chest Harness**  
Order Code: CH2



#### FEATURES:

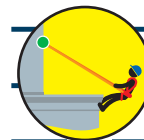
- 3 steel links fitted to waist provide additional carrying capacity
- 4 'gear loops' with plastic protection provide easy location for additional equipment
- Padded air-textured nylon waist belt for added comfort
- Stainless Steel links and buckles
- Non-slip buckle on leg and waist straps allows for once-only adjustment
- Weighs only 1 kg

CE approved to EN813:1997

**Sit Harness**  
Order Code: SH2



Please refer to fall arrest pages for secondary systems



## HAVING CHOSEN A HARNESS AND A SECONDARY YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Tower and Mast Work (telecomms and electrical) work positioning

#### Grillon

Order Code: GL52-2



- 2m long adjustable work position lanyard
- Protective sleeve
- Innovative adjustment mechanism
- Pictured with 2 ML2 connectors not supplied.

CE approved to EN:358

#### EXCEL Belt

Order code: EXCEL BELT



- Padded work positioning belt
- 2 side positioning points
- Stainless Steel fittings

CE EN:358

#### Gotcha Shark Kit

Order Code: SHARK 66M

A self contained kit designed for rescue or recovery of a fallen or injured person from high structures such as pylons, towers and masts.

#### FEATURES:

- A self locking descender pre-installed on heavy duty Kernmantle rope.
- Designed to ensure the user maintains control in extreme situations.
- Auto-Lock on release or panic grip.
- Speed control – the device operates at a slow descent speed.
- Rated for loads up to 300kg
- Contains 66m of 11mm semi static rope with captivated steel auto-lock karabiner and attachment sling (various lengths available).
- Double slings for attaching rescuer and casualty both with steel auto-lock karabiners
- Integral rope protector
- Innovative Lanyard cutter to help prevent accidental cutting
- Provided in a clearly labelled, robust "Rescue" bag with attachment points and carry handles for ease of carrying.

CE EN:358

Other lengths available on request



This product is individually serial numbered for traceability.

See also Back Up Systems



### SpanSet Training Modules 1, 3, 4 and 5

- 2.2m long adjustable work position lanyard
- Protective sleeve
- Fixed with double action hook(s)
- Made from 3 strand nylon rope fitted with protective sleeve

CE approved to EN:358

This product is individually serial numbered for traceability.

#### Work Position Lanyard

Order Code:WPL-R



### Tower and Mast Work also included under Fall Arrest Page 16

### Pole Work (telecomms and electrical)

A self contained kit for rescue of personnel from wooden poles

#### FEATURES:

- Auto-lock descender
- Contains 30m of 10mm static rope
- Attachment sling for choking around pole or anchoring to pole furniture where suitable.
- Integrated safety knife for cutting webbing/rope
- Provided in a clearly labelled, robust "Rescue" bag with attachment points for ease of carrying.

#### Gotcha Pole Top Rescue Kit

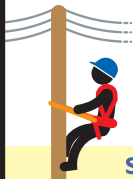
Order code: PTRK



This product is individually serial numbered for traceability.

Please refer to Tower and Mast above for W.P. Lanyard

See also Fall Arrest



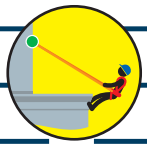
### SpanSet Training Modules 1, 2 and 5



Industrial Rope Access



Recommended Backup Systems



## HAVING CHOSEN A HARNESS YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Industrial Rope Access Equipment

#### Helmet

Order Code: HEL



Adjusts while on head  
Weighs 488GMS  
One size  
CE marked to EN 397

#### Footloops

Order Code: FOOTLOOP  
ROPE ACCESS



Combination webbing foot loops

#### DESCENDERS

##### ID Descender

Order Code: D20



ID descender, versatile self braking descender/belay device  
Conforms to EN 341 Class A

##### Stop Descender

Order Code: DO9



Weights 326 gms  
Takes 9 to 11 mm rope

##### Rope Rider

Order Code: CRR



A self locking descender rated for loads up to 300kg.

Designed for users who need a device with a high degree of security.

CE marked to EN341 Class D

#### ROPES

##### Rope - Dynamic

Order Code: ROPE 004



11 mm diameter  
Conforms to EN 1892

##### Rope - Semi-static

Order Code: ROPE 010



10.2 mm diameter  
Conforms to EN 1891

##### Rope - Semi-static

Order Code: ROPE 009



11 mm diameter  
Conforms to EN 1892

##### Canvas Rope Protector 1m

Order Code: 5/1799

Canvas rope sheath with Velcro fastening strip and cord tie on.

#### ASCENDERS

##### Rope Grab

Order Code: 5/2376

Removable Pin

Order Code: 5/2361

Fixed Pin



Rope grab  
Takes 8-13mm rope  
Approved to EN 567

##### Ascender

Order Code: 5/1915



Left or right handed  
Weighs 196 gms  
Takes 8 to 13 mm rope  
Conforms to EN 567

##### Chest Ascender

Order Code: 5/1905



Left or right handed  
Weighs 196 gms  
Takes 8 to 13 mm rope  
Conforms to EN 567

#### PULLEYS

##### Fixed Cheek Pulley

Order Code: PO5



Suitable for ropes up to 13mm  
Conforms to EN 12278

##### Swivel Cheek Double Pulley

Order Code: 5/2198



Single attachments  
Takes rope up to 13mm  
Conforms to EN 12278

##### Swivel Cheek Pulley

Order Code: 5/1913



Double attachments  
Takes rope up to 13mm  
Conforms to EN 12278

#### CONNECTORS

##### Alloy Screwgate Karabiner

Order Code: KH205



Lightweight alloy, wide opening gate 24mm  
Conforms to EN 362

##### Delta Maillon

Order Code: DZ09



9 mm steel  
SWL 770kg

##### Screwgate Karabiner

Order Code: ML2



11 mm diameter  
Conforms to EN 892

##### Large Karabiner

Order Code: 5/2160



Large steel karabiner  
Conforms to EN 362

##### Oval Karabiner

Order Code: 5/2330



Oval karabiner with optional captive pin

##### Semi Circular Maillon

Order Code: CSQ 11



11 mm steel  
Strength 25kn

#### Climbing Slings in all sizes

Lightweight webbing climbing slings 20mm & 25mm wide.

Final figure of code denotes effective working length in cm.

Order details

**25 mm wide**    **20 mm wide**

CSW25-30    CSW20-30

CSW25-60    CSW20-60

CSW25-90    CSW20-90

CSW25-120    CSW20-120

CSW25-180    CSW20-180

CSW25-240    CSW20-240

CE Approved to EN 566

This product is individually serial numbered for traceability.

#### Attachment Slings

Order Code: ATSL 1M EWL

Continuous polyester sling in protective tubular sleeve.

MBS 70kN

Other lengths available - contact SpanSet for details.

CE approved to EN 566 and EN 795

This product is individually serial numbered for traceability.

#### Shunt - Rope Access

Order code: 5/1935

- Rope adjustment device
- For use on semi static rope

Approved to CE 567

#### Tool Bucket

Order Code: 5/2335

- Reinforced rim for easy access
- Draw cord top for security
- Light colour for internal visibility
- Multiple attachment points

#### 100 Metre Rope Bag

Order Code: 5/1922-100

Tough wear resistant rope bag with two reinforced shoulder straps, draw cord top and a double layer base.

#### Work Positioning Seat

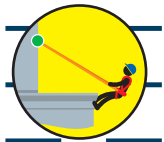
Order Code: WPS

A simple to fit equipment accessory designed to give the operative armchair comfort while working at height.

- Two attachment connectors
- 4 Equipment links
- Weight 2kg

Please note this item is not personal protection equipment. A suitable system must be used as the primary means of support.





## HAVING CHOSEN A HARNESS YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Recommended Backup Systems for Work Positioning

When work positioning a suitable back up system is required to safeguard the user against the potential of a fall occurring. A flexible line fall arrest system offers flexibility, variable lengths, lightweight, simple installation. The type of kit chosen will vary depending on the rope type, terminations and freedom required by the operative.

All the items need to be attached to a fall arrest point on the users harness and flow freely on the line with little restriction to the user. In the event of the user falling they arrest the fall in a controlled manner.

**Fall Arrester c/w line.**  
Order code: EFA



- Lightweight alloy flexible line fall arrestor
- C/w semi static rope
- All rope terminations pre-assembled
- Anchor sling, 1m EWL
- 150mm extension with karabiner to ensure traveller does not impede the users work area

Approved to CE EN:353-2

This product is individually serial numbered for traceability.

**Flexible Line Fall Arrester**  
Order Code:5/2338 Removable Pin  
Order Code:5/2375 Fixed Pin

- Flexible line fall arrestor
- Takes 10.55mm - 11mm rope

Approved to EN 353-2



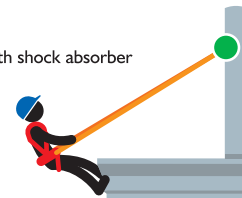
**Vertical Safety Line - Fixed % Shock Absorber**  
Order Code: VSL-F



- Standard 10 metre length of 16mm rope
- Double action safety hook
- Double ring and mechanical arresting device with shock absorber
- Other sizes available to order

CE approved to EN353-2:

This product is individually serial numbered for traceability.



### SpanSet Recommended Kits



**Industrial Rope Access**

Order : ROPE ACCESS KIT

- Kit Content:
- Helmet
  - Chest Harness
  - Chest Ascender
  - Handled Ascender
  - 'D' shaped maillon rapides
  - Oval screwgate karabiner
  - Dynamic Rope for cowstails
  - Rope Bag for storage
  - Sit Harness
  - Stop Descender
  - Footloop
  - Shunt back up device



**Tower and Mast Work**

Order: TM KIT

- Kit Content:
- 2P + Excel Belt
  - W.P. Belt
  - Double sling lanyard with attachment slings - 1.1m length inc. fittings

**Kit supplied with holdall**





# Fall Arrest

**Fall Arrest is the only category of work where a fall is actually allowed to occur. Once the user has fallen the equipment then arrests the fall. With a fall arrest lanyard the potential fall may be significant and the shock absorber is required in order to reduce the impact the user receives. In the case of fall arrest blocks they minimise the impact by reacting quickly to arrest the fall before the user gains momentum. Vertical Safety Line systems use a combination of shock absorption and fall limitations to control the impact the user receives.**

**Fall arrest equipment is designed to cope with dynamic loads created during a fall, but it is not generally intended for static loading on a regular basis.**

Different fall arrest systems require different clearances below their anchor points in order to accommodate the potential fall.

When conducting a risk assessment the clearance available below the anchor point should always be compared to the clearance required by your selected system.

Another essential part of the risk assessment is the provision for recovery of the user in the event of a fall. SpanSet offer a full range of rescue solutions if required.

## FIRST - SELECT A HARNESS SUITABLE FOR FALL ARREST

### Harnesses suitable for Fall Arrest

**IPL Harness**  
Order Code: IPL



- One fall arrest link at rear.
- A lightweight full body harness.
- Stainless Steel fittings.
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

**2-Point Harness**  
Order Code: 2P



- Fall arrest links at front and rear
- A lightweight simple to use full body harness
- Stainless Steel fittings
- Fitted with clear usage instructions
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

**Atlas Harness**  
Order Code: ATLAS



- Fall arrest links at front and rear
- A lightweight simple to use full body harness
- Designed for users up to 140kg
- Re-inforced with substantial construction to provide support for larger users
- Stainless Steel fittings
- Supplied with clear usage instruction
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

**Jacket Harness**  
Order Codes: JH-STD/JH-LRG



- Fall arrest links at front and rear
- The jacket harness combines a full body harness and a high visibility jacket with reflective strips
- Stainless Steel fittings
- Side work positioning attachments
- Available in standard and large
- Padded Waist
- Facility to add a Lifejacket
- SOLAS Flame tested

CE approved to EN361 & EN358

**Lifejacket (Optional extra)**  
Order Code: LJ



- Simple to fit to Jacket Harness
- Utilising toggles and webbing guides

Solas approved to 74/96 + approved to EN396

**Elite Harness**  
Order code: ERH-STD



- Fall arrest links at front and rear

- Work positioning links on belt.
- Abseil point at waist
- State-of-the-art full body harness
- Stainless Steel fittings
- Adjustable at leg loops, shoulders and chest.
- Integral chest ascender attachment strap
- Integrated Flexible Seat
- 2 'gear loops' with plastic protection provide easy location for additional equipment
- Supplied with clear user instructions
- Compatible with all current height safety equipment
- Supplied in nylon storage bag

CE approved to EN361, EN358, EN813



## NOW CHOOSE A SUITABLE LANYARD

# WHAT DO YOU REQUIRE YOUR LANYARD FOR FALL ARREST OR WORK RESTRAINT ?

**RESTRAINT LANYARD** - subject to being a suitable length it will effectively prevent the user from approaching a hazard. They are **NOT** intended to arrest falls.

**FALL ARREST LANYARD** - subject to being a suitable length it will effectively prevent the user from approaching a hazard. In addition however they include a shock absorber which will reduce the impacts received by a user during a fall. They are therefore suitable for both **Fall Arrest** and **Work Restraint**.

The configuration and connectors that make up the lanyard will depend upon the application. If you are unsure as to the suitability SpanSet will be pleased to assist.

When selecting your lanyard choose:

1. CONFIGURATION
2. LENGTH (PREFERRED)
3. CONNECTOR - USER END
4. CONNECTOR - ANCHOR END

**T-PAK Titan Lanyard**  
Order Code: XP



The T-Pak Titan lanyard is designed with a new concept in mind. Our aim is to provide a lanyard that is "up to the job" throughout its lifespan that will help the user to identify when to retire the lanyard, and incorporates additional safety features to safeguard the user in extreme circumstances.

Fully sheathed lanyard for increased durability and strength.

Extreme UV resistance.




















Innovative colour change feature defines when excessive wear has occurred whilst still providing full protection to the user.

The deterioration of the lanyard after this point cannot be clearly defined and the unit should be retired.

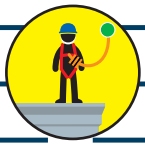
Integral back-up security straps in the shock absorber

CE approved to EN355

This product is individually serial numbered for traceability.

CONNECTOR ANCHOR END	CONFIGURATION	CONNECTOR USER END	
← LANYARD LENGTH INCLUDING CONNECTORS →			
 5/1550	 <b>RL</b> Fixed Length Restraint Lanyard	The lanyard sewn in direct to harness making it a permanent attachment.  NZ09  5/2164	
 5/1439	 <b>ARL</b> Adjustable Restraint Lanyard	<b>CONNECTOR KEY</b> 5/1550 - Captive Eye twistlock steel karabiner 5/1439 - Standard Double action scaffold hook 50mm ML2 - Plated screwgate karabiner 5/2164 - Steel twistlock 25mm web karabiner 5/1708 - Captive eye twistlock alloy karabiner 5/2051 - Double action hook alloy 16mm 5/2071 - Double action hook alloy 20mm NZ09 - Oval maillon	
 ML2	 <b>TP</b> Fixed Length Single Fall Arrest Lanyard		
 5/2164	 <b>TPR</b> Fixed Length Rope Single Fall Arrest Lanyard		
 5/1708	 <b>TPD</b> Fixed Length Double Fall Arrest Lanyard		
 5/2051	 <b>TP3L</b> Variable Length Loop Fall Arrest Lanyard		
Additional connector suitable for TPD for most climbers	 <b>TPA</b> Adjustable Fall Arrest Lanyard		
			 
			 

For more demanding situations the Titan Lanyard Range offers exceptional performance and durability (see page 7)



### HAVING CHOSEN A HARNESS YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

## Mechanical Fall Arrest and Recovery Devices

Mechanical fall arrest devices are safety lines that pay out and retract as the user demands. They are available in cable or webbing versions, in a large variety of lengths, but all work on the same principle. In the event of a fall the device reacts quickly, arresting the user and ensuring they do not receive a high impact force.

Due to their design these devices can be a good choice when working in areas with low clearance heights. The fall arrest and recovery devices include a winching facility that can be utilised in the event of a fall. This allows the user to be raised or lowered to a point of safety. *This facility is not to be used for routinely raising or lowering personnel.*



#### Plastic Housing

Order Code: 5/2398 (10m length)  
Order Code: 5/2399 (20m length)



#### FEATURES:

- Plastic Housing
- Galvanised steel retractable cable
- Rated for persons up to 136kg

CE approved to EN 360

#### Steel Housing

Order Code: 5/2400 (30m length)  
Order Code: 5/2401 (40m length)



#### FEATURES:

- Steel Housing
- Galvanised steel retractable cable
- Rated for persons up to 136kg

CE approved to EN 360

#### Recovery

Order Code: 2005-20MG (20m length)



#### FEATURES:

- Cast Alloy Case
- Galvanised steel retractable cable

CE Approved to EN 360

#### Lightweight Fall Arrester

Order Code: PR-6M



- Shock Proof
- Plastic Housing
- Retractable
- Kevlar Web
- Steel Karabiners

CE Approved to EN 360

#### Retractable Arrester 2m

Order Code: ERL2

2 metre retractable webbing arrester with built in shock absorber. Comes complete with two 10mm steel screwgate karabiners.

CE Approved to EN 360



#### Attachment Slings

Order Code: ATSL IM EWL

Continuous polyester sling in protective tubular sleeve.

MBS 70kN

Other lengths available - contact SpanSet for details.

CE approved to EN 566 and EN 795



#### Large Karabiner

Order Code: 5/2160

Large karabiner suitable for attaching Fall Arrest Blocks to anchors.

CE Approved to EN 360



#### Extension Strap

Order Code: EXTN

30cm extension strap with Delta Maillon rapid attachment.

CE Approved to EN 354





## HAVING CHOSEN A HARNESS YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Vertical Line Systems

#### Fall Arrester c/w line

Order code: EFA



- Lightweight alloy flexible line fall arrester
- C/w semi static rope
- All rope terminations pre-assembled
- Anchor sling, 1m EWL
- 150mm extension with karabiner to ensure traveller does not impede the users work area

CE approved to EN:353-2

This product is individually serial numbered for traceability.

#### Asdriss

Order Code: ASDRISS ROPE ASSY



- Lightweight flexible line fall arrest system
- Removable rope grab with integrated shock absorber and auto-lock karabiner
- Supplied with semi static rope with captive auto-lock karabiner and attachment sling
- Various lengths available contact SpanSet for details

CE approved to EN:353-2

This product is individually serial numbered for traceability.

#### Vertical Safety Line - Fixed % Shock Absorber

Order Code: VSL-F



- Heavy duty flexible line fall arrest system
- Standard 10 metre length of 16mm rope
- Double action safety hook
- Mechanical arresting device with shock absorber
- Other sizes available to order

CE approved to EN353-2



SpanSet Training Modules 1 and 2

### Horizontal Line Systems

#### Horizontal Safety Line

Order Code: HSL-HH/HSL-LL



A simple to install horizontal webbing Safety line incorporating a tensioning ratchet HSL-HH Horizontal Safety Line with hooks. HSL-LL Horizontal Safety Line with loops. Standard length 18m. Range of attachment slings are available for use with Horizontal Safety Line.

For more comprehensive details refer to pages 8 and 9

Note: Two slings are required in use.

CE approved to EN 795 class C1996

UK Patent GB 2 269623 B

This product is individually serial numbered for traceability.

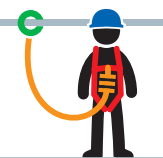
#### Attachment Slings

Order Code: ATSL 1M EWL



Please refer to description on page 20-under Mechanical Fall Arrest and Recovery Devices.

This product is individually serial numbered for traceability.



SpanSet Training Modules 1 and 2



### SpanSet Recommended Kits



Tower and Mast

Order : TM KIT  
Kit Content:

- 2P + EXCEL Belt
- W.P. Lanyard
- Double sling lanyard with attachment slings
- 1.1m length inc. fittings



Scaffolding

Order : SCAFF KIT  
Kit Content:

- IPL Harness
- T-Park Scaff Lanyard 1.95m length inc. fittings



Tower & Mast



Scaffolding

**KIT SUPPLIED WITH HOLDALL**





### Tower And Mast (telecomms and electrical)

#### 2P + Belt

Order code: 2P+BELT



A 2 point fall arrest harness combined with a work position belt to provide a lightweight, versatile choice for work on tower, masts and pylons

- Lightweight harness
- Integrated work position belt
- Front and rear fall arrest attachment points
- Two side work positioning points
- Stainless Steel Fittings
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361 : & EN:358

#### Vertical Safety Line - Fixed % Shock Absorber

Order Code: VSL-F



- Standard 10 metre length of 16mm rope
- Double action safety hook
- Mechanical arresting device with shock absorber
- Other sizes available to order  
CE approved to EN353-2

This product is individually serial numbered for traceability.

#### Fall Arrester c/w line

Order code: EFA



- Lightweight alloy flexible line fall arrester
- C/w semi static rope
- All rope terminations pre-assembled
- Anchor sling, 1m EWL
- 150mm extension with karabiner to ensure traveller does not impede the users work area

CE approved to EN:353-2  
This product is individually serial numbered for traceability.

#### Gotcha Shark Kit

Order Code: SHARK 66M

A self contained kit designed for rescue or recovery of a fallen or injured person from high structures such as pylons, towers and masts.



#### FEATURES:

- A self locking descender pre-installed on heavy duty Kernmantle rope.
- Designed to ensure the user maintains control in extreme situations.
- Auto-Lock on release or panic grip.
- Speed control – the device operates at a slow descent speed.
- Rated for loads up to 300kg
- Contains 66m of 11mm semi static rope with captivated steel auto-lock karabiner and attachment sling (various lengths available).
- Double slings for attaching rescuer and casualty both with steel auto-lock karabiners
- Integral rope protector
- Innovative Lanyard cutter to help prevent accidental cutting
- Provided in a clearly labelled, robust "Rescue" bag with attachment points and carry handles for ease of carrying.

CE approved to EN: 341 Class D

This product is individually serial numbered for traceability.



#### Steel Housing

Order Code: 5/2400 (30m length)

Order Code: 5/2401 (40m length)

#### FEATURES:

- Steel Housing
- Galvanised steel retractable cable
- Rated for persons up to 136kg

CE approved to EN 360

#### Asdriss

Order Code: ASDRISS ROPE ASSY

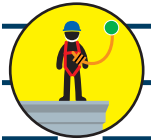


- Lightweight flexible line fall arrest system
- Removable rope grab with integrated shock absorber and auto-lock karabiner
- Supplied with semi static rope with captive auto-lock karabiner
- and attachment sling
- Various lengths available contact SpanSet for details

CE approved to EN:353-2

This product is individually serial numbered for traceability.





## Scaffolding

### IPL Harness

Order Code: IPL-LS



- One fall arrest link at rear.
- Leather shoulder straps.
- A lightweight full body harness.
- Stainless Steel fittings.
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

### T-PAK SCAFF Lanyard

Order Code: TPI30

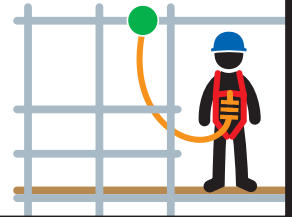


Comprising of:

- Connector and Scaffold Hook
- Fully Shock Absorbed Pack
- 1.95m in length inc. fittings

CE approved to EN 355:1993

This product is individually serial numbered for traceability.



### Scaffold Anchor Clamp

Order Code: 5/2357



- Anchorage Clamp for use on scaffolds with fall arrest equipment
- Allows attachment to vertical and horizontal scaffold tube

CE Approved to EN795 Class B

### Attachment Slings

Order Code: ATSL IM EWL



Please refer to page 20, description Fall Arrest Blocks.

### Gotcha Rescue Kit

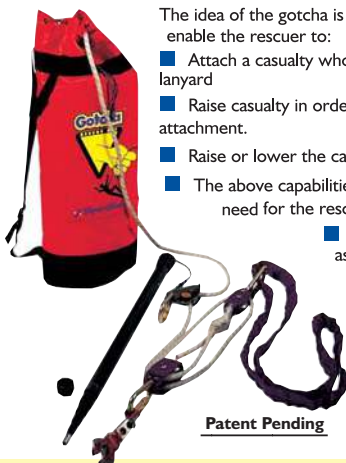
Order Code: GOTCHA KIT

A rescue kit designed for those using fall arrest harnesses and lanyards.

The idea of the gotcha is to provide a rescue kit that will enable the rescuer to:

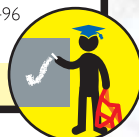
- Attach a casualty who is suspended by a fall arrest lanyard
- Raise casualty in order to release their current attachment.
- Raise or lower the casualty to a point of safety
- The above capabilities are all achievable without the need for the rescuer to access the casualty
  - Self contained and pre-assembled
  - In a clearly identified bag as a piece of emergency kit
  - Compact and easy to transport or store where it is needed

Conforms to EN: 1496



Patent Pending

SpanSet Training Modules 1, 2 and 5





# Confined Space

The confined space work situation is very different from any other. All confined spaces have a restricted means of entry and exit, and may have only one opening.

The entry & exit opening, and interior work area, are large enough for a person to enter and perform required tasks.

In the UK, 'Confined Space Regulations 1997' states that "Confined Space means any place including any chamber, tank, vat, silo, pit, trench, pipe, sewer, flue, well or similar space in which, by virtue of its enclosed nature, there arises a reasonably foreseeable specified risk."

Confined Spaces must NOT be entered without full recognition of possible dangers, proper safety training and protective equipment necessary to ensure a users safety.

Note - Tripods, Quadpods, Monopods & Davits can be regarded as anchorage's to which can be attached combinations of Fall Arrest & Recovery Devices and Material Winches, As a general rule, when making your choice you have two options.

1. If the primary means of entry to a confined space is by ladders or steps it is acceptable for an operative to be connected to a Fall Arrest & Recovery Device. In the event of a fall or incapacitation he can then be raised or lowered. Note - this 'system' must not be used for man riding i.e. raising or lowering in suspension unless it is a rescue situation.
2. If the only means of entry into a confined space is by 'man riding' an operative must be raised & lowered by a materials winch whilst at the same time being attached to a fall arrest and recovery device as an additional backup. This arrangement ensures that whilst in 'suspension' an operative is always protected by two separate systems.

Having decided upon the systems required you must then determine the length of cable and type of harness required.

## FIRST - SELECT A HARNESS SUITABLE FOR CONFINED SPACE

### Harnesses suitable for Confined Space

#### 1 Point Harness

Order Code: IPL



- One fall arrest link at the rear
- A lightweight simple to use full body harness
- Stainless Steel fittings
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361

#### 2 Point Rescue Harness

Order Code: 2PR



- Fall arrest links at front and rear, overhead strap for rescue that ensures a casualty can be raised in a vertical position
- A lightweight simple to use full body harness
- Stainless Steel fittings
- Strap can be stored away neatly when not required
- Deployment is effected by simply pulling a Velcro tab.
- Fitted with clear usage instructions
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361 and EN1497

#### Confined Space Jacket

Order Code CSJH



- Rear 300mm extension strap for easy connection
- A full body harness incorporating a durable double skin jacket
- Flame retardant PVC impregnated outer
- Stainless Steel Fittings
- Reflective Strip
- Adjustable at leg loops, shoulders and chest.

CE approved to EN:361

All SpanSet height safety products have individual serial numbers for traceability



## HAVING CHOSEN A HARNESS YOU MAY ALSO NEED THE FOLLOWING PRODUCTS

### Confined Space Fall Arrest and Rescue Equipment

#### Mechanical Fall Arrest and Rescue Block

Order Code: 2005-20MG (20m length)



Mechanical fall arrest & rescue devices units are similar to Mechanical Fall Arrest Devices but have a 'rescue' facility. In the event of either a fall, or the need to rescue someone from a confined space, a handle can be activated and the casualty can be either raised or lowered.

Invariably these units are fitted to the Quadpod, Tripod, Monopod or Davit. All units are interchangeable and come complete with mounting bracket. These units on their own are not for 'man riding' i.e. raising & lowering operatives.

#### Material Winch

Order Code: 140-20MG (20m length)



Material Winches are designed for use with Quadpod, Tripod, Monopod and Davit. Primarily they are used for raising and lowering materials & goods.

When used in conjunction with Fall Arrest & Rescue Devices they can be used for 'Man Riding', raising & lowering being carried out by using the material winch with the Fall Arrest & Rescue Device acting as a secondary backup.

#### Spanhoist

Order Code: SPAN 3



The Spanhoist is a rope and pulley system with Stainless Steel components. It offers a 3 and 5 fall rope configuration and can be used for 1 and 2 man riding (lowering and raising personnel). Lowering operations are made simple due to the integral braking system and rope controller.

It is intended to be used by trained competent personnel only - see SpanSet Training pages or contact SpanSet direct.

The Spanhoist can also be used for lowering and raising goods. Also available Span 5 model - details on request.



#### Tripod\*

Order Code: T100 2.2 KIT/T100 2.7 KIT

Durable tripod with twin anchor points available in two sizes 2.2m and 2.7m

CE Approved to EN 795: Class B

#### Monopod\*

Order Code: F100

The monopod has all the same facilities as the tripod but is suitable for location where space is restricted, it does however require an overhead anchorage. Once set up it provides a stable position to operate mechanical devices from.

Length 2.2 mtr (telescopic)  
Weight 17kg

CE Approved to EN795: Class B

\* Blocks Not Included

#### Quadpod\*

Order Code: Q200

Overall Height 2388mm  
Distance between feet 1371mm  
Weight:  
Base 35 kg  
Davit Arm 18.5 kg

CE Approved to EN 795 Class B

#### Davit Arm\*

Order Code: DT300

Height 2.18mtr  
Weight:  
Davit Arm 18.5kg  
Base 10.45kg

CE Approved to EN 795 Class B

Davit systems comprises of a Davit Arm with mounting positions for Mechanical Fall Arrest devices and Material Winches. The Davit Arm can be mounted on a Quadpod base for flexibility and ease of transportation to different locations. Alternatively the Davit Arm can be mounted on a fixed base and post which is a more permanent solution. This allows one Davit Arm to be used in conjunction with a number of fixed bases

SpanSet Training Modules 1, 2 and 5



### SpanSet Recommended Kit



Confined Space

Order : CS KIT

- Kit Content:
- 2 Point Rescue Harness
  - Tripod - 2.7m
  - Mechanical Fall Arrest and Rescue Block 2005 - 20MG
  - Material Winch 140-20MG



KIT SUPPLIED WITH HOLDALL





# Rescue and Evacuation

Rescue for personnel suspended at height is an issue that needs addressing for workers, whether they are at 2m or 200m. Traditionally a great deal of emphasis has been placed on this area and quite rightly so by those working in extreme environments. It also applies however to areas that appear more straightforward, but in these areas it is seldom addressed.

## Suspension Trauma:

Unconsciousness or death can occur to a suspended casualty that may be uninjured from their initial fall. This is caused by the effects of suspension Trauma. This is due in part to a decrease in the effective circulation of oxygenated blood to the bodies extremities, either due to injury, shock or compression caused by a harness. The time it takes for this condition to effect a person can vary greatly, so having an effective solution at hand for a speedy resolution is essential. The **Goldin™** Rescue Range has been designed to provide simple, pre-assembled solutions for a variety of applications.

## FIRST - SELECT A HARNESS SUITABLE FOR RESCUE AND EVACUATION

### Harnesses suitable for Rescue and Evacuation

#### 2 Point Rescue Harness Order Code: 2PR



- Fall arrest links at front and rear, overhead strap for rescue that ensures a casualty can be raised in a vertical position
- A lightweight simple to use full body harness
- Stainless Steel fittings
- Strap can be stored away neatly when not required
- Deployment is effected by simply pulling a Velcro tab.
- Fitted with clear usage instructions
- Adjustable at leg loops, shoulders and chest.

CE approved to EN361 and EN1497

#### Casualty Harness Order Code: CASUALTY HARNESS



An essential part of the Gotcha Rescue Range is a harness that can be placed on a casualty who has no other means of support.

- Easy to fit to a casualty
- Fitting simplified by colour coded straps
- Stainless Steel Fittings
- Grab handle on rear to assist whilst manoeuvring casualty
- Adjustable to fit a wide range of sizes.
- Folds neatly for transporting
- Fitted with clear usage instructions

CE approved to EN 1497 and 813

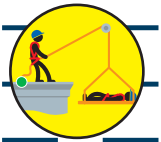
### Mechanical Fall Arrest and Recovery Devices



#### Recovery Order Code: 2005-20MG

Mechanical Fall Arrest & Rescue Devices units are similar to Mechanical Fall Arrest Devices. Both types of device arrest a falling user, but the Recovery Devices have the additional capability to allow rescues to be carried out. In the event of either a fall, or the need to rescue someone from a confined space, a handle can be activated and the casualty can be either raised or lowered.

Invariably these units are fitted to the Quadpod, Tripod, Monopod or Davit. All units are interchangeable and come complete with mounting bracket.



## Rescue Accessories

### Rescue Cracker

Order Code: CRP-6

An ultra lightweight, compact 6:1 hoist assembly designed to assist in the transfer of a casualty's body weight from one system to another with optimum ease and safety.

Packs away when not in use.

To deploy simply part the 'velcro' seal and extend to the required length.

Weighs only 300g

This product is individually serial numbered for traceability.



### Rope Rider

Order Code: CRR

A self locking descender rated for loads up to 300kg.

Designed for users who need a device with a high degree of security.

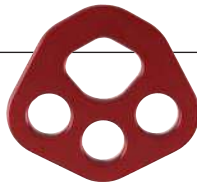
CE marked to EN341 Class D

### Rigging Plate

Order Code: RP300

A compact rigging plate for separation of multiple attachments to a single anchor

- Compact and lightweight
- Simplifies the attachment of multiple karabiners preventing cross loading
- For use in complex hauling systems etc
- 30 kN MBS



### Swivel Cheek Pulley

Order Code: 5/1913

Weight 90gms

Takes rope up to 13mm

CE marked to EN12278



### Fixed Cheek Pulley

Order Code: POS

Weight 90gms

Takes rope up to 13mm

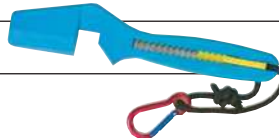
CE marked to EN12278



### Rescue Knife

Order Code: 5/1902

Safety knife with retractable blade



### Rescue Connectors

Order Code: 5/1900

A short link for connecting the casualty to the rescuers system.

This product is individually serial numbered for traceability.



### Attachment Slings

Order Code: ATSL 1M EWL

Continuous polyester sling in protective tubular sleeve.

MBS 70kN

Other lengths available - contact SpanSet for details.

CE approved to EN 566 and EN 795

This product is individually serial numbered for traceability.



### Spanhoist

Order Code: SPAN 3

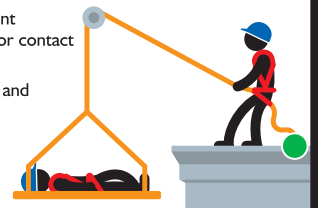


The Spanhoist is a rope and pulley system with Stainless Steel components. It offers a 3 and 5 fall rope configuration and can be used for 1 and 2 man riding (lowering and raising personnel). Lowering operations are made simple due to the integral braking system and rope controller.

It is intended to be used by trained competent personnel only - see SpanSet Training pages or contact SpanSet direct.

The Spanhoist can also be used for lowering and raising goods.

Also available Span 5 model - details on request.



SpanSet Training Modules 1, 2 and 5





### Gotcha Rescue Range

#### Gotcha Rescue Kit Order Code: GOTCHA KIT

The choice of the tradesman who uses a harness and lanyard.



A rescue kit designed for those using fall arrest harnesses and lanyards.

The idea of the gotcha is to provide a rescue kit that will enable the rescuer to:

- Attach a casualty who is suspended by a fall arrest lanyard
- Raise casualty in order to release their current attachment.
- Raise or lower the casualty to a point of safety
- The above capabilities are all achievable without the need for the rescuer to access the casualty

Patent Pending

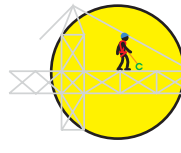


- Self contained and pre-assembled
- In a clearly identified bag as a piece of emergency kit
- Compact and easy to transport or store where it is needed

Conforms to EN: 1496



FALL ARREST



HEIGH LEVEL CRANE

#### Gotcha Evac Order Code: GOTCHA EVAC

Ideal for evacuation from plant and machinery.

A self contained kit designed for evacuation of injured or stranded personnel from elevated platforms.

#### FEATURES:

- Lightweight/compact self contained kit
- Auto-lock Descender
- Anchoring Sling plus connecting steel karabiners
- Various lengths available
- Rope Protection
- Provided in a clearly labelled, robust "Rescue" bag with attachment points for ease of carrying.

CE EN: 341 Class D



MEWPS

#### Gotcha Shark Kit Order Code: SHARK 66M

The choice of the height safety worker for assisted rescues.

A self contained kit designed for rescue or recovery of a fallen or injured person from high structures such as pylons, towers and masts.

#### FEATURES:

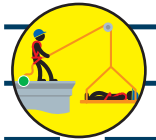
- A self locking descender pre-installed on heavy duty Kernmantle rope.
- Designed to ensure the user maintains control in extreme situations.
- Auto-Lock on release or panic grip.
- Speed control – the device operates at a slow descent speed.
- Rated for loads up to 300kg
- Contains 66m of 11mm semi static rope with captivated steel auto-lock karabiner and attachment sling (various lengths available).
- Double slings for attaching rescuer and casualty both with steel auto-lock karabiners
- Integral rope protector
- Innovative Lanyard cutter to help prevent accidental cutting
- Provided in a clearly labelled, robust "Rescue" bag with attachment points and carry handles for ease of carrying.

CE approved to EN: 341 Class D



TELECOM

SpanSet Training Modules 1 and 5 excluding Gotcha FR - this requires tailoring to users requirements



**Gotcha SHARK TC**  
Order Code: SHARK TC

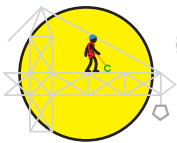
Descent only kit for rescue and evacuation from cranes.

A rescue system designated for lowering injured or incapacitated personnel from Tower Cranes or other elevated structures

**FEATURES:**

- Auto lock descender
- Contains 11mm semi static rope (various length available), with captivated steel auto lock karabiner and attachment sling (various lengths available)
- Captivated karabiner for attaching casualty
- Integral rope protector
- Tested to 300kg
- Provided in a clearly labelled, robust "Rescue" bag with attachment points and carry handles for ease of carrying.

CE EN: 341 Class D



HIGH LEVEL CRANE



**Gotcha Pole Top Rescue Kit**  
Order code: PTRK

Ideal for pole work.

A self contained kit for rescue of personnel from wooden poles

**FEATURES:**

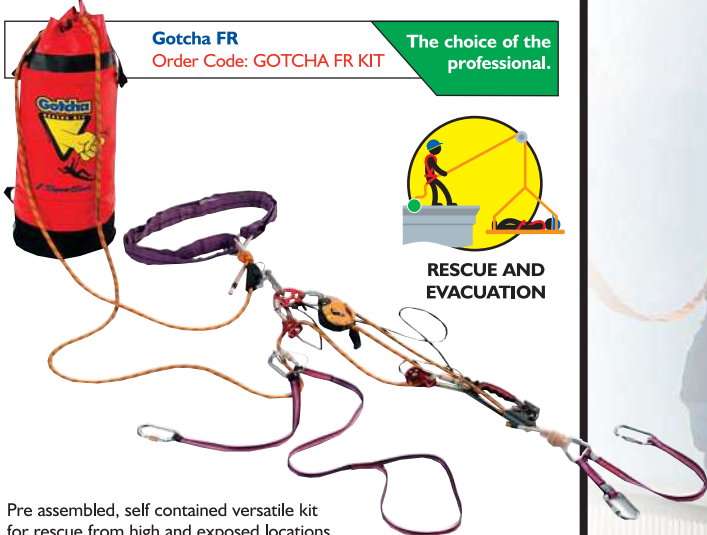
- Auto-lock descender
- Contains 30m of 10mm static rope
- Attachment sling for choking around pole or anchoring to pole furniture where suitable.
- Integrated safety knife for cutting webbing/rope
- Provided in a clearly labelled, robust "Rescue" bag with attachment points for ease of carrying.



POLE WORK

**Gotcha FR**  
Order Code: GOTCHA FR KIT

The choice of the professional.



RESCUE AND EVACUATION

Pre assembled, self contained versatile kit for rescue from high and exposed locations. Ideally suited to the emergency services.

- Lower a casualty using a failsafe friction device
- When combined with a second kit lower a rescuer and a casualty
- Raise a casualty using a self-locking 3:1 pulley system
- When combined with a second kit, to raise a rescuer and casualty
- To create a tension rope line or cable-way.
- Provided in a clearly labelled, robust "Rescue" bag with attachment points and carry handles for ease of carrying.





## The SpanSet Height Safety & Specialist Access Training School offers expert tuition provided by our own professional Instructors, each selected on merit, having achieved extensive experience and qualification in their individual disciplines.

Our custom built training facility contains the resources to recreate a broad range of operational environments specific to each client requirement and appropriate working method.

- These include:
- **INDOOR & OUTDOOR FACILITIES**
  - **25 METRE TOWER**
  - **OPEN STEELWORK**
  - **VERTICAL SHAFT**
  - **TUNNEL SYSTEM**
  - **FLAT ROOF AREA**
  - **WOODEN POLES**
  - **DROP TEST RIG**
  - **CLASSROOMS**



Subject to suitability, we are always pleased to provide training at your company premises or on site as required.

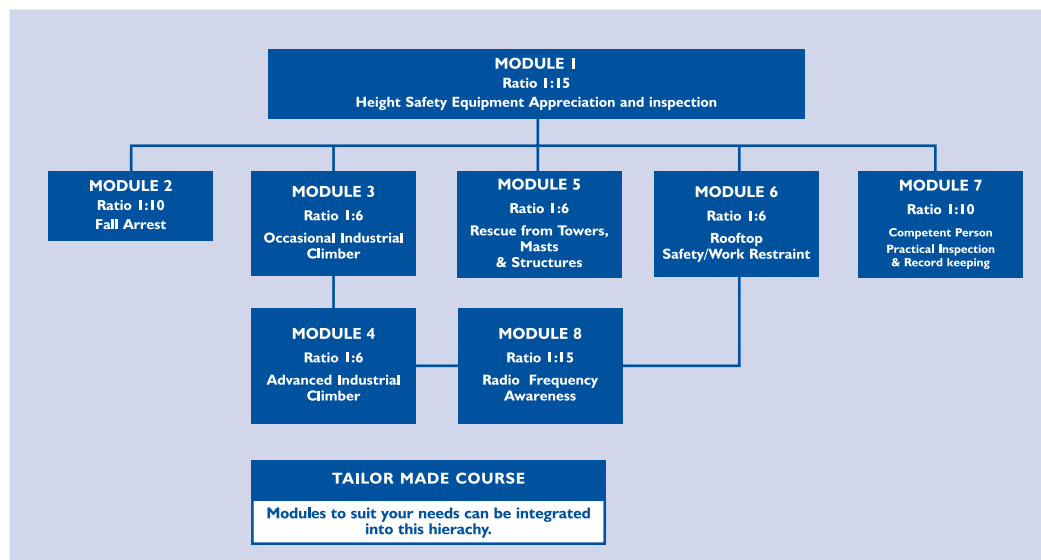
SpanSet Limited are the first Fall Arrest equipment manufacturer to be accredited by the British Standards Institute for Height Safety Training under our terms of registration to BS EN ISO 9001 providing training and subsequent certification.

As well as quality assurance another vital requirement for all training providers is comprehensive professional indemnity insurance cover. All SpanSet training courses are covered and we will be pleased to provide details if required.

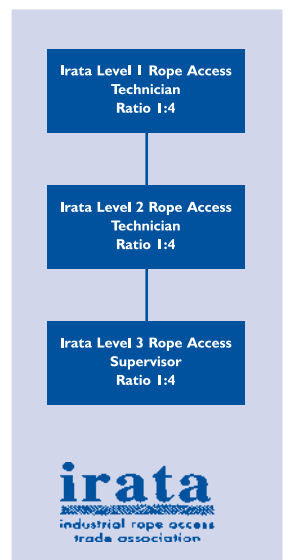
Our continued dedication to Quality is your Assurance that every SpanSet training course and product will meet your exact requirement and be to the highest standard.

SpanSet Height Safety and Specialist Access courses are designed to provide our clients with all the necessary information, instruction and training required to operate both safely and efficiently at height.

### HEIGHT SAFETY COURSES FOR INDUSTRY



### IRATA ROPE ACCESS COURSES

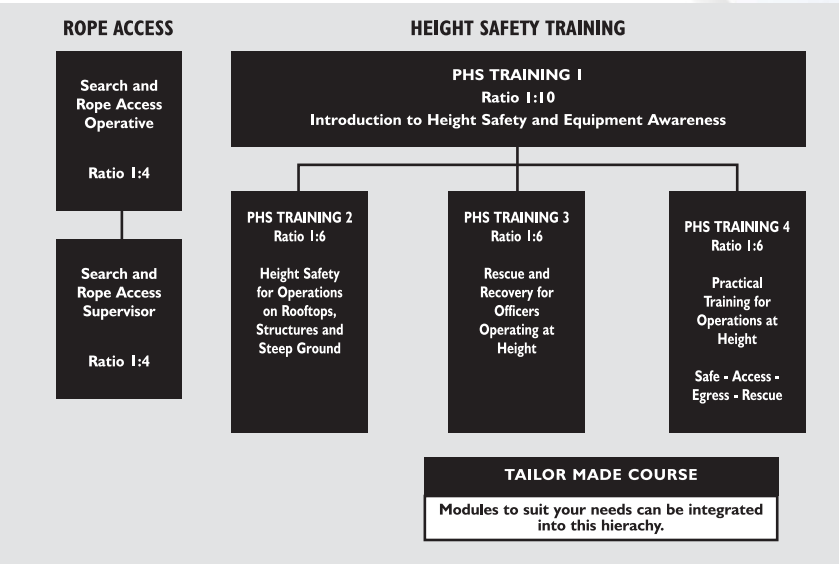




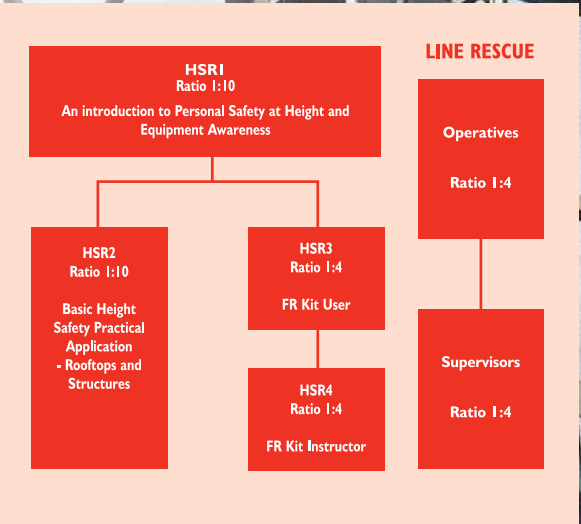
SpanSet understand that our clients may have specific training requirements for which set courses will not cater. Should this be the case, or you are unsure as to the correct course to choose for your particular application, our training department will be pleased to discuss these issues with you, or to arrange a site meeting at your convenience.



## HEIGHT SAFETY COURSES FOR POLICE & SECURITY FORCES



## HEIGHT SAFETY FOR RESCUE - COURSES FOR THE EMERGENCY SERVICES



「安全帯の規格」適合  
**安全帯・各種安全器具**

TSUYORON SAFETY BELTS



胴ベルト型安全帯  
1本つり専用

TSUYORON POLE SAFETY BELTS



胴ベルト型安全帯  
1本つり・U字つり兼用

TSUYORON SAFETY BELTS WITH GRIP



胴ベルト型安全帯  
1本つり専用(グリップ付)

SIT HARNESS



胴ベルト型安全帯  
垂直面用

SLOPE WORKING SAFETY BELTS



胴ベルト型安全帯  
傾斜面用

FULL HARNESS SAFETY BELTS



ハーネス型安全帯



新「安全帯の規格」が平成 14 年 2 月 25 日に告示され、同年 4 月 1 日から適用されました。

（「安全帯の規格」は労働安全衛生法第 42 条の「危険な場所で使用するものの内、政令（施行令）で定めるものは厚生労働大臣が定める規格」を具備しなければ譲渡し、貸与してはならない）に基づいて告示されています。

## 「安全帯の規格」新・旧比較（主な相違点）

（一部主要部を抜粋・要約）

比較項目		新規格	旧規格	
種類	一般高所作業安全帯（建設型）	胴ベルト型安全帯：1本つり専用	種類の規定はないが構造の規定あり （表示は指針により「1種安全帯1本つり専用」）	
	柱上安全帯	ストラップ巻取り式	胴ベルト型安全帯：1本つり専用	規定なし
		U字つり専用	胴ベルト型安全帯：U字つり専用	種類の規定はないが構造の規定あり （表示は指針により「1種安全帯U字つり専用」）
		1本つり・U字つり兼用 （補助フック付もあり）	胴ベルト型安全帯：1本つり・U字つり兼用	種類の規定はないが構造の規定あり （表示は指針により「1種安全帯1本つり・U字つり兼用」）
	フルハーネス型安全帯	ハーネス型安全帯：1本つり専用	規定なし	
	窓拭き用安全帯	胴ベルト型安全帯垂直面用	規定なし	
	法面用安全帯	胴ベルト型安全帯傾斜面用	規定なし	
ロープ部	材 料	特定の材料を定めない 使用条件に応じた材料を使用する	ベルト・縫糸・環・バックル・フック・伸縮調節器等について規定	
	名 称	ランヤード	ロープ（フックを含んだ場合の名称はなかった）	
	長 さ	フックを含んだ長さ（規定長さがフック分短くなった）	ロープのみの長さ	
構造	1本つり専用	U字つりできない構造であること	明記されていない（但し、構造指針で同様の内容が定められている）	
	U字つり用	伸縮調節器を有すること	伸縮調節器を有すること	
強度	ベルト・ロープの金具への取付け	特定の接続方法を定めないで確実な方法 ベルトは折り返して接続	ベルトは折り返して縫い付ける ロープはさつま編み	
	ストラップ及びロープ	アイ加工での強度	ロープのみの強度	
		1本つり専用：15kN以上 U字つり用：19kN以上	1本つり専用：17.9kN以上 U字つり用：22.9kN以上	
	方 法	砂のう又はトルソー：85Kg ランヤード長さ落下	砂のう：75Kg ロープ長さ落下	
	衝撃荷重	8.0kN以下	8.8kN以下	
落下衝撃試験	ショックアブソーバの伸び	650mm以下	規定なし	
	ハーネス型の場合落下体の傾き	30度以下	規定なし	
特殊な構造の安全帯		第9条で申請による認可制度あり	第12条で申請による認可制度あり （当社製品では、リトラ・ロックリトラ・ショックアブソーバ・ハーネス等がこの条文の適用を受けていた）	

## 安全帯に関する法律等

### 安全帯に関する法律

#### 【安全帯の構造、性能等】

・危険な場所で使用するものの内、政令（施行令）で定めるものは厚生労働大臣が定める規格を具備しなければ譲渡し、貸与してはならない（安衛法第42条）

・法42条の政令で定める機械等は次の1～40号とする（施行令第13条）  
40号：安全帯（墜落による危険を防止するものに限る）

・（安全帯の構造、性能の規定）平成14年厚生労働省告示第38号：労働安全衛生法第42条に基づき、安全帯の規格（昭和50年労働省告示第67号）の全文を改正する

#### 【安全帯の使用について】

・規格に適合した安全帯を使用すること（安衛則第27条）

・安全帯を使用させる等墜落防止の措置が必要（安衛則第518条の2・第519条の2）

・安全帯の使用が命じられたときの使用義務（安衛則第520条）

### 関連法令

#### 【労働安全衛生法（安衛法）】

- 第21条の2 ・事業者は労働者が墜落するおそれのある場所には危険を防止する措置の義務。
- 第26条 ・労働者は事業者が講じる措置に関する遵守義務。
- 第27条 ・事業者の講ずべき措置、労働者の遵守義務。
- 第42条 ・厚生労働大臣が定める規格を具備しなければ譲渡し、貸与し、または設置してはならない。
- 第119条 ・第42条に違反した者の罰則。

#### 【労働安全衛生法施行令】

- 第13条40号 ・厚生労働大臣が定める規格を具備すべき機械等、安全帯。

#### 【労働安全衛生規則（安衛則）】

- 第27条 ・事業者は安衛法第42条に定める規格を具備したものでなければ、使用してはならない。
- 第518条の2 ・事業者は作業床の無い場合は、ネット・安全帯を使用させるなど墜落による危険防止措置。
- 第519条の2 ・事業者は作業床の開口部では、ネット・安全帯を使用させるなど墜落による危険防止措置。
- 第520条 ・労働者は安全帯の使用義務。
- 第521条 ・事業者は高さ2m以上で安全帯を使用させる場合は、安全帯取付設備の設置義務。
- 第521条の2 ・安全帯および取付設備の随時点検義務。
- 第526条 ・高さ、深さが1.5m以上の場所には昇降設備の設置義務。
- 第526条の2 ・労働者は昇降設備の使用義務。

## 胴ベルト型安全帯の用途と使用例

分類	一般高所作業安全帯		
	1本つり専用		
用途	ロープ式	巻取り式	ロープ式（グリップ付き）
	使用例		

柱上安全帯			
U字つり専用	1本つり・U字つり専用		
	補助フック付き	セフティロープ付き	



すばやく、なめらかに、  
あなたの身体を安全に  
保持します。

ISO9001



## ランヤードはいつも最短 ロック式・ロリップ環付き

小型巻取り器・ロリップ環・ショックアブソーバ付き  
15mm幅ストラップ



ベルトの色 ● (Y) ● (BG) ● (OD) ● (BL4 : 50mm幅のみ)

## 胴ベルト型安全帯/1本つき専用

高所の足場上で作業時に使用する安全帯で、作業中ランヤードには体重をかけず（U字つり使用の禁止）、1本つりで使用する安全帯です。

用途=ビル・建設工事・土木工事・鉱山・造船所・橋梁・その他一般高所作業。

### ■ストラップ巻取り式

#### ロックリトラ® 安全帯

- 特長**
- 最短の落下距離で停止します。
  - ランヤード長さはいつも最短です。
  - 78ロリップ・安全ブロックを併用できます。

注文番号	LRN-590	LRN-690
胴ベルト	幅50mmX長さ1,200mm	幅60mmX長さ1,200mm
ランヤード	ストラップ 幅15mmX標準長さ1,500mm フック FS-90	
重さ	約1,180g	約1,270g

#### 軽量 ロックリトライト® 安全帯

注文番号	LRL-593	LRL-693
胴ベルト	幅50mmX長さ1,200mm	幅60mmX長さ1,200mm
ランヤード	ストラップ 幅15mmX標準長さ1,500mm フック FS-93	
重さ	約1,040g	約1,190g

## ランヤードは引き出したところでストップ

ショックアブソーバ付き  
18mm幅ストラップ



ベルトの色 ● (Y) ● (BG) ● (OD) ● (BL4 : 50mm幅のみ)

#### リトラ® 安全帯

- 特長**
- ストラップの長さを調節できます。
  - ストラップの収納は押ボタンのワンタッチ。

注文番号	RN-590	RN-690
胴ベルト	幅50mmX長さ1,200mm	幅60mmX長さ1,200mm
ランヤード	ストラップ 幅18mmX標準長さ1,700mm フック FS-90	
重さ	約1,060g	約1,180g

#### 軽量 リトライト® 安全帯

注文番号	RL-593	RL-693
胴ベルト	幅50mmX長さ1,200mm	幅60mmX長さ1,200mm
ランヤード	ストラップ 幅18mmX標準長さ1,700mm フック FS-93	
重さ	約890g	約950g



## 防暴・帯電防止安全帯

石油プラント等、引火・爆発のおそれのある作業場に。金属部分にはベリリウム銅・真ちゅうの防爆材料を使っていますので打撃による火花の発生をおさえます。

注文番号	BEA-S590	
胴ベルト	帯電防止加工ベルト 幅50mmX長さ1,200mm D環付き	
ランヤード	帯電防止加工ロープ(ミツ打)直径10mmX標準長さ1,700mm ショックアブソーバ付き フック FS-90Be(ベリリウム銅製)	
重さ	約1,250g	

D環・バックルは真ちゅう製。ベルト・ロープは帯電防止対策品です。

## ポリエステル製安全帯(酸対策用)

酸に触れるおそれのある作業現場に。繊維部分は酸に強いポリエステル製。ショックアブソーバ付き。

注文番号	POA-S99	POA-S93
胴ベルト	ポリエステル 幅50mmX長さ1,200mm ポリエステル製 ショックアブソーバ・綿帆布製ランヤード収納袋付き	
ランヤード	ポリエステル ミツ打ロープ直径12mmX標準長さ1,700mm	
	フック FS-99	フック FS-93
重さ	約1,015g	約950g

### 防爆型



防爆・帯電防止安全帯

### 酸対策用



ポリエステル製安全帯



過酷な現場であなたを守る強い味方。  
身体の安全と能率向上をお約束します。

## D環1個付き



## 胴ベルト型安全帯/U字つり専用

配電柱・送電鉄塔などへの昇降時の墜落防止と、作業者の身体を安全に保持して作業能率を高めるためにご使用ください。

用途=配電線工事・内線工事・通信線工事・その他  
高所作業

## FC 柱上安全帯 1型

注文番号	FC-11	FC-12
胴ベルト	幅 45mmX長さ 1,200mm	
補助ベルト	幅 75mmX長さ 650mm (裏当て材幅 85mm) D環・角環 各1個付き	
ランヤード	ビニロンミツ打ロープ 直径 16mmX標準長さ 2,100mm	
	フック FS-60	フック FS-70
重さ	約1,660g	約1,740g

## 63D 柱上安全帯

注文番号	63D-27	63D-28
胴ベルト	幅45mmX長さ1,200mm	
補助ベルト	幅75mmX長さ700mm(裏当て材幅85mm) D環2個・V角環1個付き	
ランヤード	ミツ打ロープ 直径16mmX標準長さ2,100mm 8字環付き	
	フック FS-70	フック FS-75
重さ	約2,050g	約2,140g

## 兼用型の標準タイプ





*Spanset Group also manufacture an extensive range of Textile Lifting Slings, Secutex and Load Restraint Systems.*

*Please contact the Spanset sales office for more details.*

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We have a policy of continuous development and therefore reserve the right to modify designs and specifications without prior notice

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