Disclaimer

Some products may not be stocked in all branches. Unless otherwise specified by the customer when ordering products, Bullivants Pty Ltd ABN 47 087 887 072 reserves the right to substitute unavailable products or brands with the nearest alternative.

While the company has made all reasonable efforts to ensure that details given in this catalogue are accurate at the time of publication, full technical specifications are not included and the company reserves the right to alter specifications, details and information from time to time without notice to customers. Since the use of this information and the conditions in which these products are used are beyond the control of the company, a user must determine whether the products are suitable for the purpose for which they are to be used, and is responsible for the safe use of the products.

Unless otherwise agreed between the company and the customer in writing, the products are sold by the company to the customer pursuant to the “Terms & Conditions of Quotation and Sale” set out on the Bullivants website, as amended from time to time located at (http://www.bullivants.com).

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Information on products has been prepared from manufacturers catalogues and literature. All detail is subject to change without notice and should be confirmed at time of purchase. Where availability may vary, products supplied are not necessarily the brand illustrated. However, alternate products of equal quality are able to be supplied. Customers with a particular brand preference should state this at the time of order placement.

Although all care has been taken in the preparation of this catalogue, the technical information including dimensions in illustrations, drawings and charts are non binding. Bullivants does not accept any responsibility for any typographical or other errors which may have occurred in the production of this catalogue.
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To enquire about Bullivants Inspection & Testing Services please call:

**1300 722 999**

to be directed to your local branch.
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Bullivants and their experienced Installed Systems Team can provide a **COMPLETE DESIGN, SUPPLY & INSTALL HEIGHT SAFETY SYSTEM** for your site in accordance with OH&S Requirements & Australian Standards.

If you would like an onsite survey or one of our representatives to provide you with expert advice **PLEASE PHONE:**

1300 722 999

**OR EMAIL:**

heightsafety@bullivants.com

www.bullivants.com
Company Profile

Bullivants is Australia’s oldest, largest and yet most progressive specialist provider of lifting, rigging, safety and related services to the industrial sector. Since 1891 Bullivants have been providing a comprehensive solution to help our customers operate safely and efficiently.

Bullivants is a part of the Wesfarmers group of companies and operates as a separate business under the Industrial Specialists Division. The support provided by the group strengthens Bullivants ability to provide industry leading service and solutions to our customers.

Our people, products, services, facilities and systems are uniquely focused on providing expert safety and load management solutions for our customers. We have built our business by working with our customers and developing our range of products and services around their requirements.

OUR CUSTOMERS CHOOSE BULLIVANTS FOR MANY REASONS.

• A proven track record for working with our customers to minimise risk and maximise their operating efficiencies;
• Comprehensive lifting, rigging and safety solutions covering the supply, installation, technical support, manufacture, inspection, testing, repair, training and hire;
• An extensive and expanding branch network enabling the best possible service levels;
• A breakdown service and management of parts and equipment critical to your operations;
• National supply solutions co-ordinated and delivered by local people;
• Highly skilled resources and extensive range of manufacturing and testing equipment;
• Stock on hand consisting of over 10,000 line items;
• Extensive product sourcing capabilities and the strongest buying power in our categories;
• An impeccable safety record internally and at our customers sites;
• Earned reputation as industry experts and we understand that safety regulations and efficiency requirements faced by our customers continue to change, therefore, we must continue to increase the value we offer customers;
• Ongoing innovation and enhancement of our products and service capability;

THE WHOLE TEAM AT BULLIVANTS ARE EXTREMELY CONFIDENT WE CAN MEET THE OBJECTIVES OF OUR CUSTOMERS AND EXCEED THE SERVICE PERFORMANCE REQUIRED.
Bullivants’ Commitment to Safety, Environment, Quality & Technical Leadership

Bullivants maintains corporate membership to five major Australian/International standards which help us to achieve and maintain ongoing compliance to state regulations, continuously improve our business processes and lead best practices, which are unequalled in our industry.

THE MAIN STANDARDS ARE AS FOLLOWS:

- AS4801 Australian Standard for Occupational Health and Safety Management systems
- ISO9001 International Standard for Quality Management systems
- ISO14001 International Standard for Environmental Management Systems
- ISO17025 International Standard for General Requirements for the Competence of Testing & Calibration of Laboratories
- ISO17020 International Standard for General Criteria for Operation of various types of bodies performing inspection

The philosophy behind corporate membership means no matter which Branch our Customers or Suppliers are dealing with (or combinations thereof), the infrastructure is always the same. Therefore, a product/service can be ordered from different sites and customers can feel confident of receiving the same goods/services to the same quality and standards irrespective of which site they deal with.
Height Safety & Installed Systems

YOUR RESPONSIBILITIES

The law in Australia states that the person in control of a premises is responsible for all hazards and have the responsibility of assessing and eliminating or controlling risks. The various individual state regulations specify that the controller(s) of a premises must ensure that safe access is provided to all parts of a place of work to which a person may require access and from which a person may fall. This responsibility covers employees, visitors and contractors.

If an area or task is identified as being a risk, Bullivants can work with you and your people to design, supply and install a system which suits your needs to achieve the safest working environment.

OUR TEAM

Bullivants’ National Height Safety Team has many years of experience in installing, designing and inspecting Working at Heights and Safety Solutions that comply with current state regulations and Australian Standards.

Our team consists of engineers, consultants and certified installers who specialise in providing our clients with safe working at heights solutions.

Our national coverage allows us to offer installation and inspection services nationwide.
We have a wide cross-section of specialised installation equipment to ensure all installations are completed strictly to manufacturers specification and technical requirements. *Bullivants are approved and accredited installers of:*

![Tractel Group](image1), ![uniline](image2), ![Miller](image3), ![safetylink](image4), ![Spanset](image5), ![SAYFA systems](image6), ![DBI Sala](image7)

Our team is dedicated to helping our clients achieve a safe work environment and ensure compliance to regulations, codes of practice and Australian Standards. All installation work is carried out by Bullivants own trained personnel.

**OUR WORKING AT HEIGHTS AND SAFETY SOLUTION CAPABILITY INVOLVES PROVIDING:**

1. Risk Assessment
2. System Design
3. Installation
4. Certification
5. Training
6. Inspection
7. Rescue
8. Personal Fall Protection
## Risk Assessment

Before the installation of each Working at Heights and Safety Solution a complete audit and risk assessment is carried out to determine the risks and associated hazards and the best control measures to implement.

When assessing each building structure or access issue, hazard identification should be carried out to determine the potential risk of injury with solutions being selected or prioritised within a six level “Hierarchy of Control” shown below.

### CONTROL PRODUCTS

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<th>Hazard Identification &amp; Risk Assessment</th>
<th>Conducted during our initial site audit where Bullivants would identify each hazard and carry out a risk assessment on each.</th>
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<tr>
<td>Elimination</td>
<td>Identified during our site audit process Bullivants would, where possible, recommend the elimination of the height safety risk through re-design.</td>
</tr>
<tr>
<td>Substitution</td>
<td>Also identified through our site audit process, if the elimination risk through re-design is not possible, Bullivants would recommend the substitution of components, processes or systems.</td>
</tr>
<tr>
<td>Isolation</td>
<td>If substitution is not possible Bullivants would recommend the isolation of worker risk through the use of permanent edge protection systems (walkways and guard rails).</td>
</tr>
<tr>
<td>Administration</td>
<td>With a combination of operating procedures, Work Method Statements or Job Safety Analysis, hazards and risk can be significantly reduced.</td>
</tr>
<tr>
<td>Fall Protection</td>
<td>If the risk cannot be isolated, Bullivants would then recommend the use of fall protection equipment (vertical and horizontal systems, anchor points, harnesses &amp; lanyards)</td>
</tr>
</tbody>
</table>
System Design

At Bullivants each Working at Heights and Safety Solution is designed in accordance with applicable Australian Standards, State Regulations, Compliance Codes and specific manufacturers guidelines. A major part of the solution involves engineering design to ensure the system and what it is attached to meet the load requirements.

LOAD REQUIREMENTS

- Free Fall Arrest Anchor Point (1 Person) 15kN
- Free Fall Arrest Anchor Point (2 Person) 21kN
- Limited Free Fall Arrest (Inc Rope Access Anchor) 12kN

FALL PROTECTION SYSTEMS COME IN A NUMBER OF FORMS INCLUDING:

1. Proprietary horizontal walkthrough safety line and rail systems.
2. Prescribed NON walkthrough safety line systems.
3. Temporary safety lines.
4. Proprietary vertical safety line and rail systems.
5. Fall protection anchor points.
6. Access ladders and stairs.
7. Walkway and guardrails.

Different situations require different solutions. This can be by way of safety line systems, guard rails or anchor points, to name but a few. With our Working at Heights team, Bullivants are able to provide you with the system that you require and that is fit for purpose.

PERSONAL FALL PROTECTION SYSTEMS...AS EASY AS ABCD

All Personal Fall Protection systems can be broken down into 4 simple elements referred to as the A, B, C, D’s of fall arrest. These elements individually will not provide adequate protection. However, when used in conjunction with each other provide a suitable and safe personal fall protection system

A - Anchorage: The point of attachment for a fall arrest system to a structure. This can be either a permanent or temporary anchor depending on the type of structure.

B - Body Wear: A full Body Harness worn by a person that connects the body to a fall arrest system.

C - Connector: A device or piece of equipment used to join the full body harness to the anchorage.

D - Deceleration Device: A component designed to dissipate the forces generated during a fall.
PHYSICAL CONTROLS

*Fall Restraint*

Fall restraint is the preferred approach to fall protection. It prevents you from falling and from suffering possible injury from the fall arrest system. Work restraint is a technique which uses PPE to prevent a person from entering an area where a risk of fall from height exists.

*Fall Arrest*

Fall arrest is an approach which makes use of items of PPE to stop a falling person under safe conditions. This means that if a worker is in a position such that if they lose control they will fall, they are required to use PPE to limit the distance and force of that fall.

FALL CLEARANCES AND HAZARDS

*Calculating Potential Fall Clearances*

An often overlooked hazard is that of fall clearances. You must ensure there is sufficient distance beneath the user to ensure they do not hit a lower level, or the ground, before the fall arrest system is fully deployed. The illustration here shows the necessary fall clearance is 6.55 metres when using a 2 metre shock absorbing lanyard. Other equipment will have different clearance requirements. Refer to AS/NZ1891.4 for further information.

PENDULUM EFFECT

A pendulum effect can occur when a shock-absorbing lanyard or self-retracting lifeline is connected to an anchor point when working at height. The position and location of the anchor point is paramount to ensure that a pendulum effect does not occur.
SYSTEM LAYOUT

When designing a safe access system it is critical that anchor points and static line systems are correctly positioned. A system designed incorrectly, will limit the access to the proposed work area but could also increase the fall potential and cause a pendulum effect if a fall occurs. A system that has been designed correctly will provide safe and adequate access for the end user whilst limiting the fall potential.

WALKWAYS, STAIRS AND LADDERS

When designing a safe access system, walkways, stairs and ladders should always be considered. They provide a fixed and safe egress for users when travelling across a roof top or gaining access from one level to another. The design, construction, and installation of a platform, walkway, stairway, or ladder shall comply with AS1657-1992 and the appropriate requirements of Section 2. The specific requirements for each type of structure are as follows:

(a) Platforms and walkways: Section 3.
(b) Stairways: Section 4.
(c) Fixed ladders: Section 5.
Horizontal Safety Lines & Rails

TRAVSAFE®

The Travsafe® system is exclusive to Bullivants and with its two cables, the patented Travsafe® lifeline is the most effective on the market. The Travsafe® static line system comprises of two parallel 8mm stainless steel cables, with a minimum breaking strength of 40kN each. The cables are supported by stainless steel intermediate supports which are readily attached to the structure within a single fixing.

The Travsafe® system can be designed for up to six people at the same time, with up to 15 metres between intermediate support brackets. The Travsafe® system has the flexibility to accommodate inside and outside corners and can be mounted overhead, on the floor or on a wall. One of several features of Travsafe® that sets it apart from other systems is the ability to swage shock absorbers at regular intervals along the lifeline. This greatly limits and controls static and dynamic deflection.

Travsafe® lifeline is an anchoring device equipped with horizontal supports that comply with the EN 795-C Standard, and conforms with the requirements of AS1891.4:2009 Part 2-2001.

Each operator must be connected to the lifeline via a Travsafe® glider (one per person) and personal protection equipment, in accordance with health and safety at work legislation.

The Travsafe® Permanent Safety Line System offers:

• Low static deflection
• Reduced dynamic deflection
• Removable gliders for mid span entry
• In built shock absorbers
• Corner solutions
• Robust construction
• Twin cable security
• Hands free operation
• Corrosive resistant materials
• Increased intermediate spans
• Wheeled gliders for overhead installations.

Recommended Applications:

• Mining plant and equipment
• Crane bridges and runways
• Truck loading bays
• Roof access
• Building maintenance
• Industrial equipment maintenance
• Aircraft hangars
**Installation**

**TRAVFLEX®**

Travflex® is a development of the Travsafe® lifeline system which is exclusive to Bullivants. Travflex® is a system designed for fixing directly to steel profile roofing systems. The Travflex® base plate is secured to the metal framework by self drilling, self tapping stainless steel screws. Water proofing is ensured by the use of a seal installed between the Travflex® base plate and the roof sheet. All Travflex® kits and components are manufactured in stainless steel to prevent corrosion problems in adverse weather or corrosive conditions. Travflex® is designed for fall arrest for 3 people simultaneously and can be installed with a maximum midway span of 15 metres. When a fall occurs the Travflex® articulated section folds in on the base plate and absorbs the energy generated in the line, the energy is dissipated by the two energy absorbers integrated into the Travflex®, therefore greatly limiting the load transfer back to the roof material.

Installation of Travflex® is quick, easy and does not require large penetrations to the roof sheets. Travflex® is compact and aesthetically pleasing to the eye. Its energy absorbing capabilities enables it to be installed on a large number of low resistance structures.

Travflex® lifeline is an anchoring device equipped with horizontal supports that comply with the EN 795-C Standard, and conforms with the requirements of AS1891.4:2009 Part 2-2001.

The Travflex® lifeline has been tested in accordance with standard EN795 class C for anchorage devices equipped with flexible horizontal supports.

Each operator must be connected to the lifeline via a Travflex® glider (one per person) and personal protection equipment, in accordance with health and safety at work legislation.

**The Travflex® Permanent Safe Line system offers:**

- Minimal roof penetrations
- Increased intermediate spans
- Removable glider for mid span entry.
- Top fix installation
- Reduced dynamic deflection
- In built shock absorbers
- Corner solutions
- Twin cable security
- Hands free operation

**Recommended Applications:**

- Roof access
- Roof edge work
- Building maintenance
UNILINE ROOFSAFE CABLE FALL PROTECTION SYSTEM

The RoofSafe Cable System has been designed to complement the RoofSafe Anchor product range, to take advantage of the low system loads generated in the event of a fall. This has enabled Uniline to value engineer its 8mm cable system and deliver the same high standard of quality that is found in all of the range but at a much more competitive price. This makes comprehensive roof top safety very affordable and allows companies to more effectively mitigate workplace risk.

The RoofSafe Cable System can span up to 12m between anchors and provides continuous hands free access for the user of the system. The system can be used by multiple workers, providing calculations of manufacturers recommendations concur. The systems components include end anchors, intermediate cable supports, variable cable supports and corner cable supports to allow maximum flexibility in designs.

Features & Benefits
• High quality 316 stainless steel cable system offering excellent freedom of movement
• Navigates corners and building contours
• Spans of up to 12m between intermediate supports minimising roof penetrations
• Electropolished components provide long term corrosion resistance
• Discreet and unobtrusive solution complements building designs
• System maintains a minimum safety factor of 2 for multiple users

UNILINE ROOFSAFE RAIL SYSTEM

The RoofSafe Rail System offers the very latest in fall protection technological development. The extruded aluminium rail system can be fitted to built up and composite metal pitched roof systems, providing an aesthetically pleasing and practical safety system. It can be used to facilitate roof inspections, routine maintenance, gutter cleaning, facade access, access to roof plant and any number of other roof top procedures.

Features & Benefits
• The only direct to roof rail system that can facilitate changes in direction and roof slopes
• Low profile and discreet design provides an unobtrusive safety anchorage solution
• A safe anchorage system for multiple users allowing complex maintenance work to be undertaken efficiently, including suspended rope access work
• Even load distribution through the system
• Solid nature of the anchorage ensures no deflection making it especially beneficial on roofs with a pitch of more than 15 degrees
• Lightweight and modular system allows for easy transport and handling
UNILINE UNI-8 HORIZONTAL LIFELINE

The Uni-8 Horizontal Lifeline System combined with good management controls provides a simple, yet comprehensive solution that will ensure compliance with current regulations across a broad range of circumstances. The Uni-8 product is well suited to modern building projects, refurbishments and can also be used for a wide range of industrial safety applications. In a typical situation the product can span up to 12m between support brackets. Uni-8 offers excellent functionality through its free flowing bypass capability and can navigate corners in building designs. The system can be fitted to many types of structure and can also support multiple workers for both fall arrest and work restraint applications.

**Features & Benefits**
- High quality 316 stainless steel cable system offering excellent freedom of movement
- Navigates corners and building contours
- In line energy absorbers protect buildings and structures
- A discreet and unobtrusive solution
- Electropolished components provide long term corrosion resistance

UNILINE UNI-16 HORIZONTAL LIFELINE SYNTHETIC CABLE SYSTEM

The Uni-16 product is of high quality whilst providing excellent value for money. In typical circumstances the product can span up to 30m between support brackets. Uni-16 offers excellent functionality through its free flowing bypass capability and easily navigates corners and contours in building designs. Minimal moving parts and high grade materials ensure long life expectancy, low cost of ownership and add up to a sound investment. The system can be fitted to many types of structure and can also support multiple workers for both fall arrest and work restraint applications.

**Features & Benefits**
- Unique 16mm synthetic cable system for permanent fall protection solutions
- Spans of up to 30m typically between intermediate supports saving install time and costs
- Navigates corners and building contours
- Excellent energy absorbing capability
- Water resistant and does not rot
- UV and ozone resistant
UniRail is a quality extruded aluminium rail system, which provides a high level of user safety combined with an aesthetically pleasing appearance. The product can span up to 3m between support brackets. It offers excellent functionality through its free flowing attachment carriage and, with no brackets to pass over, the users experience with the system is truly hands free. The system is also capable of navigating corners and contours in the building or structure to provide complete design flexibility.

Typical Applications

- External facade access for window cleaning and building maintenance
- Internal and external access for high work areas such as walkways & gantries
- Overhead anchorage for work on vehicles and in production halls
- Suspended rope access for internal and external building maintenance tasks
- Fall arrest support for swing stage
- Water treatment tanks and storage vessels
- Commercial maritime vessels
- Public and heritage buildings
- Wind turbine safety
- Tourist attractions and theme parks
SAYFA TRAVEL 8 PERMANENT STATIC LINE SYSTEM

System Features:
- Advanced energy absorbing and multi user capability
- Used in horizontal & overhead applications
- Smooth intermediate pass through system using Pilot Traveller
- Simple installation using modular componentry
- Various adaptable mounting facilities
- Low profile system, can be powdercoated

SAYFA RAPTOR OVERHEAD RAIL SYSTEM

System Features:
- A proprietary fall arrest and abseil system suitable for multiple users in commercial and industrial applications
- Minimal deflection in rail system in case of fall
- Increased number of users per rail system due to rigid, engineered system
- Neat & unobtrusive, option for powder coating to blend in with surrounds
- Easily and cost effectively extended as required
Söll-MultiRail is a smooth guided rail system which can be adapted to the structural conditions of a particular environment and can easily be used on a straight runs or around corners. MultiRail is most suitable for horizontal applications.

**Easy to handle system:**
- The gliders slide smoothly on the rail following the users.
- Available with three different glider options.
- Can be assembled at foot level on a wall or overhead.
- Only few components are necessary.
- The closed profile makes the product more resistant against the accumulation of dirt.

**Robust**
- Can be used by up to 6 persons at the same time.
- The rail can absorb forces up to 100kg without permanent deformation.
- Made of stainless steel for the toughest environmental conditions.
- The energy caused by the fall is absorbed by the bending of the rail, thereby, the structure remains protected.

**Fields of use**
- Storefront.
- Flat roofs or steep roofs.
- Working platforms on masts and buildings.
- Hangars, shipyards, cranes etc.
- Industrial Plants.
- Loading and maintenance bays.
- Can also be used as a handrail.
Installation

TRAM - TOTAL RESTRAINT ACCESS MODULE
The TRAM System comprises of the TRAM unit, the TRAM belt and the TRAM rail. It is designed for various industrial, mining, defence transport and domestic height safety applications to provide the user with an ideal system of mobility, stability and restraint.

COMPONENTS

BASE
Adjustable rollers to ensure smooth operation and minimal play. A gas piston controls the pivoting action to assist the user in the transition between ladder and walkway and to ensure that the arm does not drop.

HANDHOLD
Three position settings - vertical, horizontal and 45° clutch and brake levers to ensure that the arm and base remain where they are intended to be until the user wants to move them. Anchor points comfortably spaced and looped around the handhold for additional strength.

RAIL
Stainless or Galvanised steel is 50mm or 2 inch rolled hollow sections (SHS) with welded cleats attached to the vehicle or equipment by purpose designed welded or riveted mounting blocks.

BELT
Designed to ensure the user is kept in position on the walkway in the event of a slip, trip or incapacitation. Double-action hooks are used to ensure they cannot be opened accidentally. A full body harness fitted with two lanyards and double action-hooks is also available.

APPLICATIONS
TRAM is almost limitless in its applications. It is suitable for use on such facilities as refueling gantries, ship loaders, gantry cranes, static tanks, and most elevated work platforms. Facilities have been fitted with one or more TRAM units, allowing flexibility in the number of workers who can use the system with total protection.

Did You Know?

In 2009-10 it was recorded that there were 18 deaths of employees within the workplace that fell from a height. This calculates to 16% of all notified incidents, with 39% coming from the construction industry. The most common falls from a height occur on buildings, scaffolding, platforms and ladders.
Anchor Points

Anchor points play a major role in complimenting static lines when combating the pendulum effect. Also suitable in low risk applications of infrequent use or where static lines are deemed unsuitable.

**SAFETYLINK™ FROGLINK**

- Rated at 22kN.
- 316 Stainless Steel construction.
- Tested to Australian and New Zealand Standard AS/NZS 1891.4.
- Designed to suit all roof profiles with a single row of holes for rivets.
- Energy absorbing anchor.

**What am I used for?**
An anchor point for use on metal roof profile where access to timber is difficult. Will arrest from any direction.

**Unit of Measure: Each**  
**Order Code: 311844**

**SAFETYLINK™ TILELINK**

- Tested to Australian and New Zealand Standard AS/NZS 1891.4.
- Designed for use on timber rafters with tiled roof.
- Affords flexible means of attachment to timber.
- No need to cut sarking, eliminating waterproofing issues.
- Discreet design, with only the eyelet protruding from the roof.
- Rated at 22kN.
- 316 Stainless Steel construction.

**What am I used for?**
An anchor point designed for use on timber rafters with tiled roof. Will arrest from any direction.

**Unit of Measure: Each**  
**Order Code: 311845**

**SAFETYLINK™ SIDE MOUNTED RAFTERLINK**

- Rated at 22kN.
- Tested to Australian and New Zealand Standard AS/NZS 1891.4.
- Stainless Steel construction.
- Energy absorbing anchor.

**What am I used for?**
An anchor point designed for use on timber structures where there is easy access to the underside of the roof. Installs onto the side of Rafter.

**Unit of Measure: Each**  
**Order Code: 311731**

**SAFETYLINK™ SWIVELINK**

- Stainless Steel construction.
- Rated at 15kN.
- Tested to Australian and New Zealand Standard AS/NZS 1891.4.
- Energy absorbing anchor.

**What am I used for?**
An anchor point designed for use in concrete structures. With the convenience of a swivelling eyebolt.

**Unit of Measure: Each**  
**SwiveLink Order Code: 311943**  
**For use in concrete.**  
**Must be chemically fastened.**  
**SwiveLink with Nut Order Code: 311843**  
**For use on steel structures.**
SAYFA LOW PRO® PURLIN MOUNT ANCHOR KITS

- Quick and easy retrofit installation to metal purlin structures
- Minimal penetration through roof deck required
- Penetration seal incorporated in main body of anchor
- Can be used as a primary abseil anchor point

AP 123.10
- Standard Flange
- 22kN rated

*Unit of Measure: Each*
*Order Code: 311920*

AP 123.20
- Corrugated Flange
- 22kN rated

*Unit of Measure: Each*
*Order Code: 311921*

AP 123.30
- Spandeck Flange
- 22kN rated

*Unit of Measure: Each*
*Order Code: 311922*

SAYFA 3SIXTY PERMANENT UNIVERSAL ANCHOR POINT

The 3 Sixty permanent anchor point is ideally suited to maintenance personnel working at heights utilising a harness and lanyard fall protection system. The 22kN fall arrest rated anchor point incorporates a unique energy absorbing swivel eye lanyard attachment point, eliminating snap hook roll out and providing uniform load distribution to the anchor plate and allowing fixture to lighter structures and roof decks.

*Unit of Measure: Each*
*Order Code: 311925*
SAYFA SPYDA TEMPORARY ANCHOR POINT
The Spyda temporary anchor point is ideally suited for builders, roofers and maintenance personnel working at heights. Spyda is the market leading temporary fall arrest anchor rated at 22kN. The anchor offers the option to be clip or screw fixed and incorporates a unique energy absorbing swivel eye lanyard attachment point.

Features & Benefits
- Variable fixing options - clamp on or screw fix
- Multiple slatted fixing points
- Adjustable pivot arms to suit any application
- Unique energy absorbing swivel attachment point
- Uniform load distribution in the event of a fall
- Lightweight and relocatable
- Folds into compact unit with carry bag

Unit of Measure: Each
Screw Fix Anchor Point Order Code: 311923
Clamp & Screw Fix Anchor Point Order Code: 311924

If you would like an onsite survey or one of our representatives to provide you with expert advice please

Phone: 1300 722 999 or Email: heightsafety@bullivants.com

Did You Know?
Builders, Contractors and Owners are all responsible for controlling risks when working at heights? Bullivants and their experienced Installed Systems Team can provide a complete design, supply and installation service for all new and existing buildings in accordance with OH&S Requirements and Australian Standards.
Vertical Ladder Systems

PERMANENT VERTICAL SAFETY SYSTEMS

Permanent Ladder Systems offer a simple and economical solution where permanent fall protection is required.

They are designed to provide fall protection when climbing or descending ladders or vertical structures. They consist of either galvanised or stainless steel wire rope terminated to an engineered bracket.

The operator utilises the rope grab, a light weight detachable stainless steel fall arrest device complete with shock absorber which allows hands free operation. A locking bar prevents the device from being positioned upside down. The device with the integral shock absorber is connected to a harness with ladder attachment.

The wire cable slides through the U shaped body of the device, with a small nylon wheel facilitating the running. Should a fall occur the device locks on the cable, stopping the fall with the shock absorber greatly reducing the chance of injury. Simple and strong, the device is easy to visually inspect for any web damage, oxidation or deformation prior to use.

SALA LAD-SAF® FLEXIBLE CABLE SYSTEM

The Lad-Saf® system is designed to provide maximum personal fall protection whilst ascending or descending a ladder. The system can be made to suit permanent ladders of any length. When used in conjunction with the Lad-Saf® sleeve, this will limit a fall by an operator to a maximum of 600mm.

Old-style fall protection solutions such as ladder cages are a poor solution by contrast - they tend to cause more injury to a worker and will not arrest a fall. In addition, they are considerably more expensive to install, and rescue from a ladder cage is very difficult.

How It Works:

A 10mm galvanised steel cable is secured along the length of the ladder with a termination bracket at the bottom and a shock absorber at the top. An adjustable spanner is then used to tighten the wire to the correct operating tension using a shear washer - no torque wrenches are required. The Lad-Saf® sleeve is then attached to the cable using two deliberate actions. The operator is protected once they attach the Lad-Saf® sleeve to their full body harness with a frontal fall arrest D-ring, using a Karabiner.

To avoid deterioration from exposure to the elements or theft, the Lad-Saf® sleeve should be detached at the completion of every use. Each Lad-Saf® sleeve can be used by a single operator, and up to 4 operators can use a single system.

To prevent vibration and wind noise, Intermediate cable guides are adhered at 8m intervals along the ladder.

In an application such as a standard 25m ladder, installation can be completed in less than 2 hours.
SÖLL LADDER SYSTEM

The Söll fall protection system utilised GuideLoc® technology which is a guided type 1 fall arrester used in conjunction with fixed ladder elements of the Söll system. Available in a variety of configurations and materials, the unique glider travels smoothly up and down the rails in the centre stile with minimal support.

The comfort guide type 1 fall arrester runs smoothly through the guide rail to enable smooth ascents and descents on the ladder system. The guide attaches the users full body harness by a locking karabiner, enabling the operator to travel freely up and down the ladder system.

In the event of a fall, the fall arrester prevents a free fall by self-locking in the guide rail. This offers the user protection in every position and at any height.

Ladder System Features:

- Söll guide rails can be combined with horizontal routes, which enable the user to move vertically or horizontally without having to detach from the system.
- The ladder system is available in, aluminium, hot galvanised steel and stainless steel.
- Manufactured to handle the toughest environmental conditions.
- Accessories such as entry and exit devices, roof ascents or shaft entry equipment available.

Did You Know?

Falls from a vertical ladder can occur. Bullivants recommendation is to install a fall protection system for any ladder over 3m. That being either a fixed cage or vertical lifeline/rail as per AS1657:1992 (Section 5).
PERMANENT ACCESS LADDER SYSTEMS

Permanent Access Ladder Systems provide a safer egress from one roof level to the other. Manufactured from high-grade extruded structural aluminium they require minimal space when installed. A fall protection system can be incorporated whether it be a fixed cage or vertical lifeline for safety. All ladders are designed in accordance to AS1657:1992.

Permanent Access Ladder Systems Include The Following Features:

• Provide a fixed point and safe means of access
• Light weight structural aluminium
• Easy onsite installation assembly
• Low maintenance and aesthetically pleasing
• Lockable cover or door

LADDER BRACKETS

Ladder Brackets are designed to provide a fixed, secure attachment point for temporary ladders when accessing a rooftop. They are constructed from 316 Stainless Steel and are available for bolting into walls, fascias and act as a cover to protect the gutter from being crushed or damaged. Ladder Brackets will prevent the temporary ladder from moving side to side and provides an easy lashing point. When used with permanent anchor points, it provides a seamless safe egress point.
Roof Walkway Systems & Guard Rails

Bullivants can assist to improve roof top access with lightweight and versatile walkways and guardrails.

With the option of either aluminium or fibreglass, walkways provide a safe non-slip surface, and provide a stable platform when travelling across the roof space, eliminating any damage to the roof sheeting. The aluminium walkway also has the capabilities of including steps in between walkways from one roof level to the other.

Guardrails are a permanent system that provide a solid barrier for fall protection for when working at heights. Guardrails can be incorporated into walkways, platforms, stairs, metal roof sheeting, concrete and steel structures.

If you would like an onsite survey or one of our representatives to provide you with expert advice please:

Phone: 1300 722 999
Email: heightsafety@bullivants.com
Certification

Bullivants personnel are dedicated to helping our clients ensure compliance to regulations, codes of practice and Australian Standards.

RELEVANT STANDARDS

*Fall Arrest Systems:*
AS/NZS1891.1 Industrial Fall-Arrest Systems and Devices, Part 1: Safety Belts and Harnesses
AS/NZS1891.2 Industrial Fall-Arrest Systems and Devices, Part 2: Horizontal Lifeline and Rail Systems
AS/NZS1891.3 Industrial Fall-Arrest Systems and Devices, Part 3: Fall-Arrest Devices
AS/NZS1891.4 Industrial Fall-Arrest Systems and Devices, Part 4: Selection, Use and Maintenance

*Industrial Rope Access:*
AS/NZS4488.1 Industrial Rope Access Systems - Specifications
AS/NZS4488.2 Industrial Rope Access System - Selection, Use and Maintenance

*Access From Fixed Or Portable Structures:*
AS/NZS1892.1 Portable Ladders Part 1: Metal
AS/NZS1892.2 Portable Ladders Part 2: Timber
AS/NZS1892.3 Portable Ladders Part 3: Reinforced Plastic
AS/NZS1892.4 Portable Ladders Part 4: Selection, Use and Care

*Confined Spaces*
AS2865 Confined Spaces

*Personnel Lifting Equipment*
AS/NZS 1418.10 Cranes, Hoists and Winches - Mobile Elevated Work Platforms
AS2550.10 Cranes, Hoists and Winches - Safe Use - Mobile Elevating Work Platforms.

BULLIVANTS HEIGHT SAFETY TEAM

At Bullivants, all TSR’s carrying out an installation of a height safety system, have been trained in the correct installation and use of that particular system. In addition to this, in-house Bullivants training is conducted to ensure our skills and competency levels are maintained to the highest standard.

Training

As a part the Bullivants Working at Heights and Safety Solutions we offer non-accredited training on safe use of our systems. This is basic training on the safe care, use and maintenance of the system installed. Through various affiliations with Registered Training RTO’s, we are able to facilitate accredited training on all aspects of working at heights and recovery.
Inspections

Anchor Points, static lines, rails and Personal Protective Equipment used for fall protection are required to be inspected on a regular scheduled periodic bases. This inspection and testing must be carried out by a recognised competent person. Please refer to AS/NZS1891.4:2009 (Section 9. Table 9.1) for further details.

Bullivants provides an inspection and testing service to ensure your system is in accordance with manufacturers specifications and Australian Standards. This information is entered into the BEAM (Bullivants, Electronic, Asset Management) system and can be accessed by our clients via the secure web portal.

Height Safety Systems are generally required to be inspected/ tested annually with recertification required 10 years after the installation date.

**SUMMARY OF INSPECTION REQUIREMENTS IN ACCORDANCE WITH AS1891.4:2009**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspection by a Height Safety Operator before and after each use</td>
<td>Personal equipment including harnesses, lanyard assemblies, connectors, fall arrest devices including common use devices.</td>
</tr>
<tr>
<td>6 monthly inspection by a Height Safety Equipment Inspector</td>
<td>• Harnesses, lanyard assemblies and associated personal equipment. • Fall-arrest devices (external inspection only) • Ropes and slings</td>
</tr>
<tr>
<td>12 monthly inspection by a Height Safety Equipment Inspector</td>
<td>• Anchorages - drilled in type or attached to timber structures</td>
</tr>
<tr>
<td>12 monthly inspection by a Height Safety Equipment Inspector or as recommended by the manufacturer to a maximum of 5 yearly</td>
<td>• Anchorages - other types • Horizontal and vertical lifelines - steel rope or rail • Fall-arrest devices - full service</td>
</tr>
<tr>
<td>6 monthly inspection by a Height Safety Equipment Inspector</td>
<td>Horizontal or vertical lifelines - fibre rope and webbing</td>
</tr>
<tr>
<td>Inspection by a Height Safety Equipment Inspector on entry or re-entry into service</td>
<td>All items of personal and common use equipment</td>
</tr>
<tr>
<td>Inspection by a Height Safety Equipment Inspector before further use</td>
<td>All items which have been stressed as a result of a fall.</td>
</tr>
</tbody>
</table>

Definitions:

**Height Safety Equipment Inspector**
- A person who is competent in the skills needed to detect faults in height safety equipment and to determine remedial action.

**Height Safety Operator**
- A person who is able to perform harness based work at heights under the direct supervision of a height safety supervisor.

**Height Safety Supervisor**
- A person who is competent in the skills needed to perform harness based work at heights, to supervise other operators including those at entry level and to participate in first response rescue.

**Height Safety Manager**
- A person who is competent in the selection, design, manufacture or installation of height safety systems or equipment, or the development of control measures or work practices.
Confined Space, Rescue & Recovery

SPANSET FP6600 TRIPOD
The FP6600 series tripods are engineered with the user in mind. The aluminium legs are made of lightweight square hollow tubing for easy portability and strength. The alloy head has an integrated pulley system allowing a cable from a device to pass through the centre of the head. This eliminates costly pulleys and allows one of the two eyebolts to be used as an auxiliary anchorage. Retractable devices are mounted on the outside of the leg allowing more room and manoeuvrability beneath the tripod.

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Stored</th>
<th>Extended</th>
<th>Weight</th>
<th>Personnel Cap</th>
<th>Materials Cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>311613</td>
<td>1.4m</td>
<td>2.1m</td>
<td>13kg</td>
<td>136kg</td>
<td>450kg</td>
</tr>
<tr>
<td>311614</td>
<td>1.8m</td>
<td>3m</td>
<td>15kg</td>
<td>136kg</td>
<td>450kg</td>
</tr>
</tbody>
</table>

SPANSET XTIRPA DAVIT SYSTEMS

XT3 XTIRPA 3 PIECE MANHOLE BARRIER AND DAVIT WITH STABILISER
This kit answers all the questions. Enables safe entry and egress to and from confined spaces while providing protection from falls and facilitates public safety. Assembles in less than a minute!

Unit of Measure - Each
Order Code: 311887

XT5 XTIRPA 5 PIECE H BASE SYSTEM
Enables safe entry and egress to and from confined spaces.

Unit of Measure - Each
Order Code: 311888
XT6 XTRPA TOW BAR HITCH MOUNT SYSTEM
This kit offers enormous versatility and portability.

*Unit of Measure - Each*
*Order Code: 311889*

XT24 24” PERMANENT DAVIT AND BASE SYSTEM
The base can be permanently mounted while the mast and davit can be moved from site to site.

*Unit of Measure - Each*
*Order Code: 311890*

XT48 48” PERMANENT DAVIT AND BASE SYSTEM
One of the few davit systems rated at a full 16kn at full extension.

*Unit of Measure - Each*
*Order Code: 311891*

**Did You Know?**

It's mandatory to provide sufficient access and fall protection systems and associated equipment when a person is working above 2m or when there is a risk of a fall causing injury or death.
MILLER® DURAOIST FALL ARREST ANCHOR POST, RESCUE DAVIT AND ARM

The Miller Durahoist portable fall arrest anchor post has been designed for use on top of transformers or other types of vertical platforms. The fall arrest anchor post provides three independent swivel tie off points for fall arrest anchorage and a three stage/four position telescopic design. Components are constructed of lightweight high strength aluminium for ease of storage, transport, set up and manageability. The levelling screws allow the system to be plumbed to vertical for better working stability on inclines up to 15 degrees. The anchor post also provides Horizontal Lifeline (HLL) capabilities using the HLL anchor ring. The anchor post collapses into one single piece weighing only 17.5kg.

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>311865</td>
<td>Portable Fall Arrest Anchor Post</td>
</tr>
<tr>
<td>311866</td>
<td>Rescue Davit Arm</td>
</tr>
<tr>
<td>311867</td>
<td>Plate with tie off anchor</td>
</tr>
<tr>
<td>311868</td>
<td>Standard Plate</td>
</tr>
<tr>
<td>311869</td>
<td>Anchor Plate for Inclined Surface</td>
</tr>
<tr>
<td>311870</td>
<td>Adapter bracket for Mounting Miller Retrieval Winch</td>
</tr>
</tbody>
</table>
SPANSET 3 WAY SELF RETRACTING LIFELINES

The same robust durability and strength in our SRL’S is built into the 3 way SRL product line. There’s the added feature of an integrated retrieval winch that can raise or lower a person in an emergency situation. With a simple flick of the wrist, these 3 way SRLs can be switched from fall arrest mode to retrieval mode.

Field Serviceable: No

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length</th>
<th>Lifeline</th>
<th>Weight</th>
<th>Max Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>311895</td>
<td>15m</td>
<td>5mm Galvanised steel cable, Aluminium casing &amp; Swivel snap hook connector</td>
<td>9500g</td>
<td>150kg</td>
</tr>
<tr>
<td>311894</td>
<td>30m</td>
<td>5mm Galvanised steel cable, Aluminium casing &amp; Swivel snap hook connector</td>
<td>21000g</td>
<td>136kg</td>
</tr>
</tbody>
</table>

SPANSET PERSONNEL WINCHES

Designed for lifting personnel as well as loads, the FPMS series are extremely robust and easy to use. They can be hosed out due to their open configuration.

Field Serviceable: No

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length</th>
<th>Lifeline</th>
<th>Weight</th>
<th>Max capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>311892</td>
<td>20m</td>
<td>5mm Galvanised steel cable, Steel casing &amp; Swivel snap hook connector</td>
<td>13500g</td>
<td>140kg</td>
</tr>
<tr>
<td>311893</td>
<td>30m</td>
<td>5mm Galvanised steel cable, Steel casing &amp; Swivel snap hook connector</td>
<td>16000g</td>
<td>140kg</td>
</tr>
</tbody>
</table>

SPANSET 4000 PULLEY SYSTEM

This rescue/access pulley system with a 4.1 mechanical advantage features a single directional set of pulleys allowing efficient lifting and controlled lowering. Can be locked off for prolonged suspension, be self operated or by a second person.

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Contents</th>
<th>Rope</th>
</tr>
</thead>
<tbody>
<tr>
<td>311621</td>
<td>Rescue pulley system, Kernmantle rope, 2 x K1 karabiners, E2000 x 2 Round slings</td>
<td>50m</td>
</tr>
</tbody>
</table>
SPANSET GOTCHA RESCUE KIT

The Gotcha Kit provides a rescue kit that will enable a 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.

Pre-Assembled kit includes:

- 1 telescopic pole.
- 2 anchor slings
- 2 karabiners
- 50 metres of kernmantle rope
- 1 Double pulley system.
- 1 single pulley system
- 1 attachment claw
- 1 rope descender.

Get the Gotcha to ensure that you have an effective rescue plan.

Unit of Measure - Each

Order Code: 311281

MILLER® TRAUMA RELIEF STEP

The Miller relief step is a compact and lightweight pack, which encompasses a webbing strap and foot loop. It is attached easily to any full body harness, by looping around the harness webbing and attaching to the hip. This assists in enhancing blood circulation and helps to avoid suspension trauma whilst awaiting rescue from a fall.

Unit of Measure - Each

Order Code: 311680

MILLER® BOSUNS CHAIR

The bosuns chair is made to suit a wide variety of situations from confined space to working at heights.

- Features safety body belt and suspension from above the head
- Spreader frame enables full use of a safety helmet.
- Adjustable leg straps with D rings and snap hooks.
- Boards made from first grade marine plywood.
- Webbing loops through and crosses under board for maximum strength.
- Use in conjunction with full body harness and back up line.

Unit of Measure - Each

Order Code: 311941
UNIVERSAL SPREADER BAR
- The karabiners on the universal spreader bar are attached directly to the shoulder straps of the harness.
- Top D ring can be attached to a raising and lowering device.
- Wrist loops assist in casualty removal from a confined space.
- Sturdy frame allows worker to comfortably wear a hard hat.

*Unit of Measure - Each*
*Order Code: 311871*

BANDIT TOOL STRAP
- Tool lanyard conveniently attaches to the users belt.
- Tool attachment via small karabiner or adjustable clinching cord.
- Elasticised cord for greater worker flexibility.
- 800mm retracted and 1.2m fully extended.
- Maximum tool weight 2.26kg.

*Unit of Measure - Each*
*Order Code: 311872*

Did You Know?
All Installed Height Safety systems are required as per AS/NZ1891.4:2009 (Section 9) to be inspected on an annual basis or as per the manufacturer’s recommendations. Bullivants can provide a complete inspection and reporting service for your installed systems to ensure that you are maintaining your compliance.
Fall Arrestors

**MILLER® FALCON™ FALL ARRESTORS**

Falcon fall arrestors are a lightweight and ultra rugged line of composite arrestors which are designed with smooth, round edges to increase durability. The high impact resistant nylon housing withstands the harsh rigors of the toughest applications. With corrosion resistant stainless steel and aluminium internal components, this composite range of fall arrestors also features a built in ergonomically designed moulded handle (15 & 20m versions only) providing support and leverage when attaching to an anchorage connector. A unique side payout design reduces wear on the guide entry bushing and cable for a smooth operation with less drag. It requires no annual factory re-certification which means lower cost and significantly less downtime.

*Unit of Measure - Each*

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>311718</td>
<td>6m Galvanised wire</td>
</tr>
<tr>
<td>311719</td>
<td>10m Galvanised wire</td>
</tr>
<tr>
<td>311720</td>
<td>15m Galvanised wire</td>
</tr>
<tr>
<td>311721</td>
<td>20m Galvanised wire</td>
</tr>
<tr>
<td>311827</td>
<td>6m Stainless steel</td>
</tr>
<tr>
<td>311942</td>
<td>10m Stainless steel</td>
</tr>
<tr>
<td>311829</td>
<td>6m Webbing with scaffold hook</td>
</tr>
<tr>
<td>311830</td>
<td>6m Webbing with snap hook</td>
</tr>
</tbody>
</table>

**MILLER® SCORPION™ FALL ARRESTOR**

The lightweight and compact design of the Scorpion provides workers with an affordable alternative to standard energy absorbing lanyards. In a head to toe comparison the Scorpion requires less fall clearance, offers greater mobility and prevents a trip hazard. The unit strikes fast and stops a fall within centimetres. Fully compliant with AS/NZS1891.3, it is strong, lightweight and made from tough durable components. The Scorpion is a compact palm size unit for easy positioning and has 2.7 metres of webbing working capacity. A visual load indicator shows when the unit must be removed from service. It is constructed with corrosion resistant internal parts and has a stainless steel/aluminium body encased in a high impact polymer cover. It is available in two versions, one with a swivel hook and the other with triple action karabiners.

*Unit of Measure - Each*

Order Code: 311245
MILLER® TURBOLITE™ FALL ARRESTORS

- Extremely compact, light and compliant retractable Fall Arrest Block designed for use as a personal fall limiter.
- Retractable technology prevents trip hazards while built in swivel prevents lifeline twisting
- Arrests a fall within millimetres
- Provides 2m working capacity lifeline
- Impact resistant nylon housing
- Connector bracket can be retrofitted to any TurboLite model and easily transforms two PFL’s into a complete tie off fall protection system
- Can be used in horizontal and foot level applications where an overhead anchorage point is unavailable (refer to supplementary instructions on horizontal usage)

Unit of Measure - Each

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>122488</td>
<td>MFL-1/2m Steel twistlock karabiner &amp; 19mm snap hook</td>
</tr>
<tr>
<td>122490</td>
<td>MFL-2/2m Steel twistlock karabiner &amp; scaff hook</td>
</tr>
<tr>
<td>122491</td>
<td>MFL-3/2m No top attachment &amp; 19mm snap hook</td>
</tr>
<tr>
<td>122487</td>
<td>1017900 2m Twistlock karabiner &amp; Aluminium snap hook</td>
</tr>
</tbody>
</table>

If you would like an onsite survey or one of our representatives to provide you with expert advice please

Phone: **1300 722 999** or Email: heightsafety@bullivants.com
**LATCHWAYS INERTIA REELS**

Latchways new generation inertia reels feature the patented constant force braking mechanism which cannot go out of adjustment, a failsafe pawl–brake interface and super tough nylon/steel skeleton reinforced body. These units can be field serviced with training, and have only 2 replaceable parts to keep inventories at a minimum.

*Field Serviceable: Yes*

*Unit of Measure - Each*

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length (m)</th>
<th>Lifeline Description</th>
<th>Weight (kgs)</th>
<th>Size L x W x D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>122494</td>
<td>3.6</td>
<td>Webbing, Impact resistant nylon casing &amp; Swivel snap hook</td>
<td>1.9</td>
<td>221 x 142 x 99</td>
</tr>
<tr>
<td>122496</td>
<td>7.0</td>
<td>5mm Galvanised cable, Impact resistant nylon casing &amp; Swivel snap hook</td>
<td>4.9</td>
<td>330 x 170 x 122</td>
</tr>
<tr>
<td>311896</td>
<td>7.0</td>
<td>5mm Stainless steel cable, Impact resistant nylon casing &amp; Swivel stainless karabiner connector</td>
<td>4.9</td>
<td>330 x 170 x 122</td>
</tr>
<tr>
<td>122495</td>
<td>7.0</td>
<td>Webbing, Impact resistant nylon casing &amp; Swivel snap hook</td>
<td>3.8</td>
<td>275 x 185 x 125</td>
</tr>
<tr>
<td>122497</td>
<td>10.0</td>
<td>5mm Galvanised cable, Impact resistant nylon casing &amp; Swivel snap hook</td>
<td>5.6</td>
<td>357 x 185 x 125</td>
</tr>
<tr>
<td>311897</td>
<td>10.0</td>
<td>5mm Stainless steel, Impact resistant nylon casing &amp; Swivel stainless karabiner connector</td>
<td>5.6</td>
<td>357 x 185 x 125</td>
</tr>
<tr>
<td>122498</td>
<td>15.0</td>
<td>5m Galvanised cable, Impact resistant nylon casing &amp; Swivel snap hook</td>
<td>7.4</td>
<td>396 x 215 x 130</td>
</tr>
<tr>
<td>122500</td>
<td>15.0</td>
<td>5m Stainless steel cable, Impact resistant nylon casing &amp; Swivel stainless karabiner connector</td>
<td>7.4</td>
<td>396 x 215 x 130</td>
</tr>
</tbody>
</table>
LATCHWAYS SEALED INERTIA REELS
Super robust for the most extreme environments these sealed units can be serviced in the field with minimal training. IP56 certified.

*Field Serviceable: Yes*

**Unit of Measure - Each**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length</th>
<th>Lifeline</th>
<th>Weight (kgs)</th>
<th>Size L x W x D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>311898</td>
<td>9m</td>
<td>5mm Stainless steel cable, Aluminium/stainless steel casing &amp; Swivel stainless karabiner</td>
<td>9.5</td>
<td>240 x 240 x 180</td>
</tr>
<tr>
<td>122501</td>
<td>15m</td>
<td>5mm Stainless steel cable, Aluminium/stainless steel casing &amp; Swivel stainless karabiner</td>
<td>12.0</td>
<td>280 x 280 x 200</td>
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<tr>
<td>311899</td>
<td>25m</td>
<td>5mm Stainless steel cable, Aluminium/stainless steel casing &amp; Swivel stainless karabiner</td>
<td>20.0</td>
<td>330 x 330 x 200</td>
</tr>
<tr>
<td>311900</td>
<td>40m</td>
<td>5mm Stainless steel cable, Aluminium/stainless steel casing &amp; Swivel stainless karabiner</td>
<td>26.0</td>
<td>380 x 380 x 215</td>
</tr>
</tbody>
</table>

MERLIN & FAB INERTIA REELS
Outstanding value with the steel case Merlin 3.3m and the plastic case FAB 10 & 18m units. All units have load indicating hooks for ease of inspection.

*Field Serviceable: No*

**Unit of Measure - Each**

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Length</th>
<th>Lifeline</th>
<th>Weight (kgs)</th>
<th>Size L x W x D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>311901</td>
<td>3.3m</td>
<td>Webbing, Steel casing &amp; Swivel triple action karabiner</td>
<td>1.41</td>
<td>141 x 107 x 61</td>
</tr>
<tr>
<td>122503</td>
<td>10m</td>
<td>5mm Galvanised cable, ABS plastic casing &amp; Swivel karabiner</td>
<td>4.1</td>
<td>244 x 183 x 144</td>
</tr>
<tr>
<td>122504</td>
<td>18m</td>
<td>5mm Galvanised cable, ABS plastic casing &amp; Swivel karabiner</td>
<td>6.5</td>
<td>300 x 226 x 144</td>
</tr>
</tbody>
</table>
SpanSet working with Bullivants’ the team you can trust

For over 30 years the SpanSet brand has been recognised globally as one of quality and reliability. From the sub zero temperatures of Europe to the blistering heat of the mining environment in Australia, SpanSet products continue to perform as intended giving the end user peace of mind and ensuring the highest levels of safety. With over 1000 of their products NATO codified, defence forces around the world continue to specify the SpanSet brand.

Here in Australia SpanSet manufacture a broad range of products at their purpose built Sydney plant. They continue to invest in technology and people and have a commitment to preserving Australian made equipment, tailored to suit our unique environment.

As the SpanSet height safety market share continues to expand they also recognise the need for education within this high risk sector. SpanSet are a certified Registered Training Organisation and can deliver impartial nationally recognised training Australia wide.

Contact your local Bullivants branch to find out more about this training or to order from the SpanSet range.
Temporary Lifelines

SPANSET ERGO 3400 TEMPORARY STATIC LINE
The ERGO Temporary horizontal safety line gives the user fast and secure deployment and has added to safer work practices through greater worker acceptance and general portability. The 38mm super heavy duty webbing was developed specifically for this application and gives 18 metres of safe horizontal anchored movement. The bag is permanently sewn to the line and excess webbing can be stored, reducing any trip hazards common with temporary safety lines. The SpanSet ratchet unit offers fast tensioning and features the safety of a lock down mechanism. Ideal for contractors and tradesmen.

Unit of Measure - Each
Order Code: 311648

MILLER® SR01 ROPE TEMPORARY STATIC LINE
Ideal for situations where accessibility along a length of an area is required on a temporary basis.

• 20m Hawser laid 16mm nylon rope.
• Harip tensioning device for precision tension.
• 2 person system for fall arrest.
• Kit complete with split running blocks, web tie-offs and karabiners.
• Packed into a carry bag for easy transportation site to site.
• To suit applications in construction, maintenance and roof work.

Unit of Measure - Each
Order Code: 311283
Height Safety Kits

BULLIVANTS ROOFERS KIT
- 1 x Bullivants branded 1100 harness with steel buckles
- 1 x 15metre restraint line with adjuster, shock absorber and double action snap hook
- 1 x Steel oval Karabiner
- 1 x 1.3metre heavy duty anchor strap
- 1 x Bullivants kit bag

*Unit of Measure - Each*
*Order Code: 311876*

SPANSET ROOFERS KIT
This pre assembled kit provides all the component parts required for you to work safely on an exposed roof.

*Kit contains:*
- 1 x 15metre restraint line, adjuster and double action snap hook
- 1 x 1104 Ergo fall arrest harness
- 1 x Steel oval karabiner
- 1 x 3053 energy absorbing web lanyard
- 1 x 1.3 metre heavy duty anchor strap
- 1 x SpanSet kit bag

*Unit of Measure - Each*
*Order Code: 311180*

BULLIVANTS KIT BAG
- Ideal for the carrying and storage of height safety gear and PPE

*Unit of Measure - Each*
*Order Code: 44201192*
SpanSet Harnesses

SPANSET 1100 ERGO HARNESS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Breathable rear mesh panel
• Hi-vis webbing
• Suspension trauma relief straps

Suitable for: Fall arrest, Confined space entry, Roof work Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311149

SPANSET 1104 ERGO HARNESS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• Rear fall arrest extension strap
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Breathable rear mesh panel
• Hi-vis webbing
• Suspension trauma relief straps

Suitable for: Fall arrest, Confined space entry, Roof work Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311154

SPANSET 1107 ERGO HARNESS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• Padded waist band and side Ds
• Rear fall arrest extension strap
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Breathable rear mesh panel
• Hi-vis webbing
• Suspension trauma relief straps

Suitable for: Fall arrest, Confined space entry, Roof work Ladder systems, Elevated work platforms, Pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311764
SPANSET 1300 ERGO
Designation: Full body harness
- Rear fall arrest D
- Front fall arrest D
- Waist band and side Ds
- Confined space attachment loops
- Fully adjustable leg and shoulder straps
- Breathable rear mesh panel
- Hi-vis webbing
- Suspension trauma relief straps
Suitable for: Fall arrest, Confined space entry, Roof work Ladder systems, Elevated work platforms, Pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311611

SPANSET 1500 ERGO
Designation: Full body tower harness
- Rear fall arrest D
- Auxiliary 75mm pole strap rings
- Padded waist band and side pole strap Ds
- Front fall arrest loops
- Confined space attachment loops
- Fully adjustable leg and shoulder straps
- Breathable rear mesh panel
- Hi-vis webbing
- Suspension trauma relief straps
Suitable for: Fall arrest, Confined space entry, Ladder systems, Tower & pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311885

SPANSET 1800 ERGO
Designation: Full body suspension harness
- Rear fall arrest D
- Front fall arrest and abseil wide mouth Ds
- Padded waist band and side pole strap wide mouth Ds
- Plastic reinforced gear loops
- Elasticated rear leg droppers
- Fully adjustable leg and shoulder straps
- Quick release shoulder buckle
- Hi-vis webbing
Suitable for: Fall arrest, Rescue, Rope access, Roof work Ladder systems, Tower & pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311884
SPANSET 1150 ERGO
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• 1.8 metre energy absorbing lanyard permanently attached
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Breathable rear mesh panel
• Hi-vis webbing
• Suspension trauma relief straps
Suitable for: Fall arrest, Confined space entry, Ladder systems, Elevated work platforms, Hire industry, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311679

SPANSET 1100 ERGO PLUS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Fully padded leg and shoulder straps
• Suspension trauma relief straps
Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311927

SPANSET 1104 ERGO PLUS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest D
• Rear fall arrest extension strap
• Confined space attachment loops
• Fully adjustable leg and shoulder straps
• Fully padded leg and shoulder straps
• Suspension trauma relief straps
Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311928
Personal Fall Protection

SPANSET 1107 ERGO PLUS
Designation: Full body harness
- Rear fall arrest D
- Front fall arrest D
- Padded waist band and side Ds
- Rear fall arrest extension strap
- Confined space attachment loops
- Fully adjustable leg and shoulder straps
- Fully padded leg and shoulder straps
- Suspension trauma relief straps

Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311929

SPANSET 1100 ERGO PLUS MINERS
Designation: Full body harness
- Rear fall arrest D
- Front fall arrest D
- Padded waist band with battery & self rescuer straps
- Confined space attachment loops
- Suspension trauma relief straps
- Fully adjustable padded leg and shoulder straps

Suitable for: Fall arrest, Confined space entry, Ladder systems, Elevated work platforms, Underground mining, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311930

SPANSET 1100 HOTWORKS
Designation: Full body harness
- Rear fall arrest D
- Front fall arrest loops
- Confined space attachment loops
- Fully adjustable leg and shoulder straps
- Fully padded leg and shoulder straps

Suitable for: Fall arrest, Confined space entry, Roof work Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311840
SPANSET 1107 HOTWORKS HARNESS
Designation: Full body harness
• Rear fall arrest D
• Front fall arrest loops
• Confined space attachment loops
• Side pole strap Ds
• Fully adjustable leg and shoulder straps
• Heat resistant padded leg and waist straps
Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311931

SPANSET 1800 HOTWORKS HARNESS
Designation: Full body suspension harness
• Rear fall arrest D
• Front fall arrest and abseil wide mouth Ds
• Padded waist band and side pole strap wide mouth Ds
• Stainless steel 2 bar buckles
• Elasticated rear leg droppers
• Fully adjustable padded leg straps
• Quick release shoulder buckle
Suitable for: Fall arrest, Rescue, Rope access, Roof work, Ladder systems, Tower & pole work, Maintenance, Construction etc.

Unit of Measure - Each
Order Code: 311932

SPANSET 2700 HOTWORKS POLE STRAP
Heat resistant Pole Strap with adjuster and H1 hooks each
Suitable for pole, tower, access and climbing applications.

Unit of Measure - Each
Order Code: 311940
SPANSET 1100 WW PREMIUM WATER WORKS HARNESS
Designation: Full body harness
- Stainless steel rear D
- Front fall arrest stainless steel D
- Stainless steel buckles
- Confined space loops on shoulders
- Fully adjustable padded leg straps and shoulder/back straps
- Easy-flow sweat absorbing mesh and foam composite padding
- Fitted with suspension trauma relief straps.
Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Maintenance, Construction in corrosive environments etc.

Unit of Measure - Each
Order Code: 311933

SPANSET 1107 WW PREMIUM WATER WORKS HARNESS
Designation: Full body harness
- Stainless steel rear D
- Front fall arrest stainless steel D
- Side pole strap Ds
- Stainless steel buckles
- Confined space loops on shoulders
- Fully adjustable padded leg straps and shoulder/back straps
- Easy-flow sweat absorbing mesh and foam composite padding
- Fitted with suspension trauma relief straps.
Suitable for: Fall arrest, Confined space entry, Roof work, Ladder systems, Elevated work platforms, Maintenance, Construction in corrosive environments etc.

Unit of Measure - Each
Order Code: 311934

SPANSET 1800 ERGO RW ROPE WORKS HARNESS
Designation: Full body suspension harness
- Rear fall arrest D
- Front fall arrest and abseil wide mouth Ds
- Padded waist band and side pole strap wide mouth Ds
- Plastic reinforced semi rigid gear loops
- Elasticated rear leg droppers
- Fully adjustable padded leg and shoulder straps
- Quick release shoulder buckle
Suitable for: Fall arrest, Rescue, Rope access, Roof work, Ladder systems, Tower & pole work, Maintenance, Construction etc

Unit of Measure - Each
Order Code: 311935
Personal Fall Protection

**SPANSET 1600 ERGO RW ROPE WORKS HARNESS**

Designation: Full body tower harness
- Rear fall arrest D
- Front fall arrest loops
- Padded waist band and side pole strap Ds
- Auxiliary buttock pole strap Ds
- Confined space attachment loops
- Fully adjustable padded leg and shoulder straps
- Extra wide suspension seat
- Suspension trauma relief straps

Suitable for: Fall arrest, Confined space entry, Ladder systems, Tower & pole work, Maintenance, Telecoms etc.

*Unit of Measure - Each*

Order Code: 311939

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**SPANSET 2700 POLE STRAP**

- 2.5m pole strap with adjuster and snap hooks
- Includes polyester webbing wear sleeve
- 3.5m (2701) also available

*Unit of Measure - Each*

Order Code: 311936

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**SPANSET 2750 STEELWORK POLE STRAP**

- 2.5m pole strap with adjuster and snap hooks
- Includes robust Secutex cut resistant wear sleeve. Secutex is used extensively throughout industry to protect synthetic lifting slings from sharp edges and generally outlasts the synthetic.

*Unit of Measure - Each*

Order Code: 311937
SpanSet Lanyards

SPANSET 3051
Energy absorber pack with karabiners.

*Unit of Measure - Each*

*Order Code: 311615*

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SPANSET 3053
Energy absorbing webbing lanyard 1.8m with double action snap hooks each end.

*Unit of Measure - Each*

*Order Code: 311608*

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SPANSET 3055
Energy absorbing webbing lanyard 1.8m with double action snap hook and double action scaffold hook at the other end.

*Unit of Measure - Each*

*Order Code: 311600*

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SPANSET 3057
Energy absorbing twin webbing lanyard 1.8m.

*Unit of Measure - Each*

*Order Code: 311842*

---

SPANSET 3061
Energy absorbing rope lanyard with double action snap hooks at each end.

*Order Code: 311619*

---

SPANSET 3068
Energy absorbing twin kernmantle rope lanyard 1.8m with H1 hook and H3 scaffold hooks the other end.

*Unit of Measure - Each*

*Order Code: 311916*
SPANSET 3072
Energy absorbing wire rope lanyard 1.8m with double action hooks each end.

*Unit of Measure - Each*

Order Code: 311620

SPANSET 3201
Retracting lanyard 2.25m with shock absorber and double action hook, complete with steel screw gate karabiner.

*Unit of Measure - Each*

Order Code: 311120

SPANSET ERGO PLUS LANYARDS
ERGO plus Premium energy absorbing lanyards are designed to minimise the forces endured by an operator should a fall occur.

Maximum user weight is 140kg while still remaining within the parameters and certification to AS/NZS 1891.1 2007. No additional fall clearance needs to be calculated when performing risk assessments. Lightweight aluminium components and Xtreme guard webbing combine to add outstanding safety and value to this range.

ERGO PLUS WEBBING LANYARDS

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Type</th>
<th>Length</th>
<th>Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>311902</td>
<td>3053EP</td>
<td>Single leg</td>
<td>1.8m</td>
<td>H1/H1 Snap hooks</td>
</tr>
<tr>
<td>311903</td>
<td>3055EP</td>
<td>Single leg</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311904</td>
<td>3058EP</td>
<td>Twin leg</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311905</td>
<td>3053AEP</td>
<td>Single leg adjustable</td>
<td>0.75-1.8m</td>
<td>H1/H1 Snap hooks</td>
</tr>
<tr>
<td>311906</td>
<td>3055AEP</td>
<td>Single leg adjustable</td>
<td>0.75-1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311907</td>
<td>3058AEP</td>
<td>Twin leg adjustable</td>
<td>0.75-1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
</tbody>
</table>

*Unit of Measure - Each*
## SPANSET ERGO PLUS ELASTIC LANYARDS

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Type</th>
<th>Length</th>
<th>Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>311908</td>
<td>3053EEP</td>
<td>Single leg</td>
<td>1.4 - 1.8m</td>
<td>H1/H1 Snap hooks</td>
</tr>
<tr>
<td>311909</td>
<td>3055EEP</td>
<td>Single leg</td>
<td>1.4 - 1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311910</td>
<td>3058EEP</td>
<td>Twin leg</td>
<td>1.4 - 1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311911</td>
<td>3053EK10</td>
<td>Single leg</td>
<td>1.4 - 1.8m</td>
<td>K10/K10 Snap hooks</td>
</tr>
<tr>
<td>311912</td>
<td>3058BFEP</td>
<td>Twin leg</td>
<td>1.4 - 1.8m</td>
<td>H1 Snap Hook/H3BF Scaff Hook</td>
</tr>
<tr>
<td>311913</td>
<td>3058WBFEP</td>
<td>Twin leg</td>
<td>1.4-1.8m</td>
<td>H1 Snap Hook/H3WBF Scaff Hook</td>
</tr>
</tbody>
</table>

Unit of Measure - Each

## SPANSET ERGO PLUS ROPE LANYARDS

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Style</th>
<th>Type</th>
<th>Length</th>
<th>Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>311914</td>
<td>3061EP</td>
<td>Single leg</td>
<td>1.8m</td>
<td>H1/H1 Snap hooks</td>
</tr>
<tr>
<td>311915</td>
<td>3063EP</td>
<td>Single leg</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311916</td>
<td>3068EP</td>
<td>Twin leg</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311917</td>
<td>3061AEP</td>
<td>Single leg adjustable</td>
<td>1.8m</td>
<td>H1/H1 Snap hooks</td>
</tr>
<tr>
<td>311918</td>
<td>3063AEP</td>
<td>Single leg adjustable</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
<tr>
<td>311919</td>
<td>3068AEP</td>
<td>Twin leg adjustable</td>
<td>1.8m</td>
<td>H1 Snap Hook/H3 Scaff Hook</td>
</tr>
</tbody>
</table>

Unit of Measure - Each
### CONNECTORS

Bullivants are able to supply the full range of karabiners and hooks to enable the maximum efficiency and reliability in your connectors.

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Gate</th>
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</thead>
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<td>Double action scaffold hook H3L</td>
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<td>Screw gate oval steel karabiner K2</td>
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<td>Stainless steel wire anchor clamp (Manulink)</td>
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*Unit of Measure - Each*
Personal Fall Protection

Miller® by Honeywell Harnesses

**MILLER® REVOLUTION™ 2 POINT HARNESS**
An innovative design that combines several unique components along with many product features.
- Versatile frontal and rear oversized fall attachment points.
- ErgoArmor back shield protects from snap hook and lifeline injury.
- Knitted mesh membrane for optimal air circulation and comfort.
- Ergonomic PivotLink allows greater hip rotation and mobility.
- Web finials provide quick webbing adjustment and organisation.
- Hybrid, with strong and durable DuraFlex/DualTech webbing

*Unit of Measure - Each*
*Order Code: 311856*

**MILLER® REVOLUTION™ TOWER HARNESS**
A versatile harness with front and rear connections, ideal for work positioning and confined space rescue.
- Rear 300mm D ring extension and frontal fall arrest attachment.
- Pelvic D rings for work positioning & confined space rescue loops.
- ErgoArmor back shield protects from snap hook and lifeline injury.
- Adjustable chest, waist, shoulder and leg straps.
- Lumbar, buttock padding, and mesh membrane add comfort.
- Quick adjust, comfortable, durable Polyester/DuraFlex webbing

*Unit of Measure - Each*
*Order Code: 311857*

**MILLER® DURAFLEX™ RIGGERS HARNESS**
Vest style design, DuraFlex webbing harness for working at height with pole straps or in confined spaces.
- Frontal fall arrest attachment point, rear and extended dorsal D.
- Confined space loops and work positioning side D’s.
- Easy to don with fully adjustable chest, shoulder and leg straps.
- Waist belt offering greater back support and stability.
- Label pack with lanyard parking ring stores harness documents.
- Brightly coloured webbing to increase worker visibility.

*Unit of Measure - Each*
*Order Code: 311807*
**MILLER® WELDERS HARNESS**
Designed for use in applications where hot sparks or molten materials may come into contact with the harness.

- 100% Kevlar® webbing enhances strength and provides resistance to high temperatures.
- Frontal and rear fall arrest attachment points.
- Adjustable leg straps.
- Label pack with lanyard parking ring stores harness documents.
- Suited to welding, grinding and harsh work environments.

*Unit of Measure - Each*

*Order Code: 311809*

**MILLER® AMAX.1 POLYESTER WORK POSITIONING/ROPE ACCESS HARNESS**
Work positioning harness with padded leg straps for working in suspension, and twin rope access applications.

- Frontal fall arrest, rear dorsal and work positioning D rings.
- Step in harness with padded leg straps and lumbar support.
- Adjustable leg and shoulder straps.
- Label pack with lanyard parking ring stores harness documents.
- Suited to rescue, ladder work, work positioning, window cleaning, telecom and utility applications.

*Unit of Measure - Each*

*Order Code: 311170*

**MILLER® AMAX.2 WORK POSITIONING/ROPE ACCESS HARNESS**
The New AMAX.2 Harness is a work positioning harness with padded leg straps specially designed for working in suspension for long periods of time.

- Rear Dorsal Fall Arrest D-Ring
- Front fall Arrest D-Ring
- Work positioning kick out side D-Rings for working with Pole Straps
- Quick release buckles on leg straps and openable front for ease of donning
- Extra wide back & removable shoulder pads offering greater support & comfort when hanging or working for long periods of time.
- Padded leg straps for increased comfort.
- All padding complete with moisture absorbing 3D mesh panel
- Contrasting colours on all load bearing sew patterns making it easier to inspect.
- Tool loops to attach equipment temporarily when working at height
- Fully adjustable waist and shoulder straps
- Equipped with a label pack housing all relevant harness information including donning instructions, connection instructions, AS/NZS 1891.1 2007 certification and inspection grid.

*Unit of Measure - Each*

*Order Code: 311886*
MILLER® LINE WORKERS HARNESS
Specifically designed for line and pole top workers, this harness offers many features to suit these applications.
- Frontal fall arrest D and extended dorsal D.
- Work positioning side D’s for work with pole straps.
- Fully adjustable waist, shoulder, leg and buttock straps.
- Label pack with lanyard parking ring stores harness documents.
- Lumbar and buttock padding offering greater comfort.
- Suited to line workers, pole top workers, tower and ladder work

Order Code: 311850

MILLER® TOWER WORKER HARNESS
The ultimate tower harness with multiple attachment points for maximum compatibility for various applications.
- Frontal fall arrest attachment loops.
- 300mm extended dorsal D.
- Confined space loops and work positioning side D’s.
- Label pack with lanyard parking ring stores harness documents.
- Lumbar and buttock padding equipped with tool loops.
- Suited to electrical, ladder and tower work, tree pruning, EWP work, confined space and rescue applications.

Unit of Measure - Each
Order Code: 311126

MILLER® UNDERGROUND MINERS HARNESS
Full body harness. Includes prospector belt with tool loops, stainless steel hardware and aluminium quick-connect (QC) buckles. Ideal for underground mining applications.
- Rear dorsal fall arrest D-ring & extension.
- Floating frontal fall arrest D-ring.
- Aluminium quick connect buckles on waist and leg straps.
- Prospector Belt incorporates removable battery and self rescuer strap.
- Equipped with confined space loops.
- Wider back pad for greater back support and stability.
- Label pack houses all relevant harness information and is equipped with lanyard parking ring.

Unit of Measure - Each
Order Code: 311938
Lanyards

MILLER® MANYARD® LANYARD
The manyard lanyard is unsurpassed in the market for safety, comfort and mobility.
- 2m with 19mm hooks each end.
- Specially woven shock absorbing inner core reduces fall forces.
- No energy absorber pack makes it more comfortable to use.
- Heavy duty tubular outer sleeve serves as a backup lanyard
- Unique warning flag provides visual evidence of a sustained fall.
- Grid label allows easy recording of inspection dates.

*Unit of Measure - Each*
*Order Code: 311873*

MILLER® STRETCHSTOP® LANYARD
A unique stretchable lanyard design that minimises the length of the lanyard preventing tripping or snagging.
- 2m with 19mm hooks each end.
- Elastic inner core contains the unextended length of webbing.
- Outer load bearing tubular polyester webbing.
- Reliable visual inspection if a fall has been taken.

*Order Code: 311187*

MILLER® STRETCHSTOP® LANYARD (TWIN VERSION)
With the same features as the single version this lanyard is fitted with scaffold hooks.
- 2m twin with 56mm hooks each end.

*Unit of Measure - Each*
*Order Code: 311632*

MILLER® ADJUSTABLE LANYARD
Levigator adjustable lanyards offer unique versatility whilst working at height.
- 2m with 19mm hooks at each end.
- Patented design with printed increments every 200mm.
- Easy to adjust and see the working length of the lanyard.
- A choice of lanyard terminations enables greater working flexibility.

*Unit of Measure - Each*
*Order Code: 311852*
MILLER® FLAME RETARDANT LANYARD
The ideal solution for hot work applications.
- 2m with 19mm hooks each end.
- Flame retardant Kevlar® webbing.
- Integral compact energy absorber.
- 19mm double acting hooks at each end.

*Unit of Measure - Each*
*Order Code: 311853*

MILLER® TIE BACK LANYARD
- 2m tie back with compact energy absorber.
- A revolutionary hook that allows the lanyard to tie back onto itself.
- Tie back hooks will withstand forces of up to 22KN at any angle.
- Provides greater flexibility on site with less set up time.
- Easier and faster inspection.

*Unit of Measure - Each*
*Order Code: 311854*

*Did You Know?*
When falling from a height using a shock absorbing lanyard, the required fall clearance distance from the working surface to the closest object is approximately 5m. This is calculated by the lanyard length, energy absorber extension, the height of the person and the residual clearance. For further details please refer to AS/NZ1891.4:2009 (Section 7).
LANYARD, FALL ARRESTOR AND RECOVERY REELS INSPECTION CHECK LIST

**Polyester components**

- ID label present with date of manufacture - shelf life shall not exceed 10 years from manufacture date
- Cuts and abrasions to rope or webbing
- Cuts and abrasions to stitching
- Glazing or crispiness - due to friction, heat damage or possible chemical contamination
- Damage due to contact with heat, corrosives, chemicals and solvents
- Discolouration - due to chemical contamination or prolonged UV exposure
- Excessive stiffness - due to overloading, possibly as the result of a fall

**Energy Absorbers**

- ID label present with date of manufacture - check expiry date
- Visual check of attachment points
- Visual check of tear out element, checking for any signs of deployment

*Adjustment and attachment devices should be function tested according to type and visually checked for:*

- Wear
- Alignment
- Corrosion
- Cracks

**Maintenance**

- Clean prior to inspection, lanyards can be washed in cool water with a mild detergent
- Store hung up, dry and clean away from contaminants and direct sunlight

**CHECKLIST FOR INSPECTION OF FALL ARRESTORS AND RECOVERY REELS AS PER AS1891.3**

Always read manufacturer’s instructions.

**Attachment Elements (karabiners, hooks etc)**

- ID number present
- Alignment of body – twisting, buckling
- Distortion of hook or latch
- Wear on body
- Cracks or gouges
- Wear at swivels and latch pivot points
- Gate function
- Broken, weak or misplaced latch springs
- Locking mechanism operates correctly
- Free from corrosion, dust, dirt or other obstructions
- Check when last serviced
- Fall indicator for evidence of a fall

**Main Body of Block**

- Examine complete body casing checking for cracks and impact damage which may affect the operation of the block
- If the block has a recovery handle check that it is attached and the ratchet mechanism is working
Inspection Checklists

Wire Rope
• Pull out the cable and check for broken wires, wear and corrosion
• Examine thimble eye and ferrule at wire termination

Function
• Wire should be checked for smooth reeling in and out
• Wire should be tugged rapidly to ensure that cable locks off

Maintenance
• Clean and lubricate prior to inspection
• Store hung up, dry and clean from contaminants
• Return to supplier every 12 months for full service

Marking
• An inspection plate should be fitted to the main body of the block, this should include ID number, SWL, last inspection date and length of lanyard

If you would like an onsite survey or one of our representatives to provide you with expert advice please

Phone: 1300 722 999 or Email: heightsafety@bullivants.com

www.bullivants.com
ASSET MANAGEMENT FOR THE 21ST CENTURY

A system designed to provide maximum operational efficiency when dealing with your INSPECTIONS & GEAR REGISTERS.

**BEAM Benefits:**

- Improved traceability of your valuable assets.
- 24 hour/7 day access to your registers via a secure web portal
- Significantly improved time in the production of your register.
- Removal of potential errors which can occur when handwriting registers.
- Opportunity for your register to contain images of your assets to assist in identification.
- Highlighting of due or overdue registers in the online scheduler.
- The removal of condemned assets is quicker, resulting in faster replacement response ensuring compliance is maintained at all times.

Using the BEAM system we can provide a complete VISUAL INSPECTION service to the Australian Standards requirements for the following:


*We can also PROOF LOAD TEST to the requirements of the Australian Standards.*
CARE AND MAINTENANCE

Harness maintenance and inspection is an essential part of safety when working at height. Follow these simple steps as part of your routine to ensure your harness will keep you safe.

All harnesses have an innovative self contained label pack for improved compliance. This is an integrated pack containing all information, labels and inspection record. This specialised pack protects labels from damage and minimises loss. Check the legibility of the harness serial number and ensure that the date for withdrawal has not passed.

Run your hands along each piece of webbing on the harness. You are looking for cuts, abrasions, burn marks or deterioration of the webbing.

Each harness has sewing patterns, which also require checking. Look for cuts, broken threads, heat damage and stretching.

The hardware on the harness including D-rings and buckles, require checking for distortion, cracking and damage.

If you find any defects on your harness, remove it from service immediately. If unsure please contact us on 1300 722 999.

FITTING A VEST STYLE HARNESS

1. Remove harness from packaging. Hold the back D ring and gently shake harness so all straps fall into place.

2. Unbuckle leg and chest strap buckles (if buckled). To unbuckle, lift the top plate so it aligns with the slot in the bottom plate and guide plate through.

3. Slip harness over the shoulders (like a vest) ensure the D ring is located in the middle of the back between the shoulder blades.

4. Fasten chest strap buckle.

5. Fasten waist belt buckle.

6. Pull left leg strap between legs and fasten with corresponding buckle. Repeat the process with the right leg strap. Do not cross straps between legs and ensure fit is snug but not restrictive of movement.
FITTING A CROSS-OVER CHEST STYLE HARNESS

1. Remove harness from packaging. Hold the back D ring and gently shake harness so all straps fall into place.

2. Unbuckle leg and chest strap buckles (if buckled). To unbuckle, lift the top plate so it aligns with the slot in the bottom plate and guide plate through.

3. Place arms up through the harness.

4. Slip harness over the head (like a jumper) ensure the frontal D ring is located in the middle of the chest and the rear D between the shoulder blades.

5. Pull the harness down the body to position the leg straps.

6. Pull left leg strap between legs and fasten with corresponding buckle. Repeat the process with the right leg strap. Do not cross straps between legs and ensure fit is snug but not restrictive of movement.
Bullivants experienced Installed Systems Team can assist with the design, installation and inspection of your height safety systems whether it be a new construction or existing premises or structure. Below is a list of some important clients that we have worked with in the past and continue to provide our services and expertise.

1. Dalrymple Bay Coal Terminal - Height Safety Systems
2. Cairns City Council - Pit Access Systems
3. Townsville Hospital - Roof Access Systems
4. Rio Tinto - Various Shovel Access Systems
5. One Steel Whyalla - Height Safety Systems
6. Murray Goulburn Edith Creek - Roof Access Systems
7. Flinders University Adelaide - Roof Access Systems
8. Caterpillar - Various Drill Rig Access Systems
9. University of QLD - Roof Access Systems
10. Alcoa Geelong - Height Safety Systems
11. Bluescope Port Kembla - Height Safety Systems
12. M-I SWACO Karratha - Vertical Access Systems
13. Snowy Hydro Height Safety Systems
14. Sydney Aquatic Centre - Roof Safety Systems
15. Sydney Superdome - Height Safety Systems
Bullivants Height Safety Customer Enquiry Form

To request Bullivants Height Safety expertise, please scan/copy the below form and simply email/fax the completed form to:

Email: heightsafety@bullivants.com

Fax details for your local Bullivants branch can be found on the back of this catalogue.

Contact Name: ........................................................................................................................................

Company: ................................................................................................................................................

Company Position: .....................................................................................................................................

Primary Business Activity: ...........................................................................................................................

Company Street Address: ..............................................................................................................................

Suburb: ................................................................. Postcode: .................... State:...............................

Email Address: .............................................................................................................................................

Contact Phone Number: ..............................................................................................................................

Fax Number: ................................................................................................................................................

What type of Installed System do you require (please tick the relevant boxes)?

Anchor Points □ Horizontal Lifeline □ Vertical Lifeline □
Walkways □ Access Ladder □

Where is the installed system to be installed (please tick the relevant boxes)?

Roof Mounted □ Overhead □ Structurally Mounted □
Other □

What are we fixing to (please tick the relevant boxes)?

Metal Roofing □ Concrete □ Steel Beams □
Timber □ Other □

What is the work environment like for the proposed height safety system (e.g. dust, water, wind, light conditions)?

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What is the primary purpose and use of the installed system?

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Would you like to sign up to Bullivants promotions list?

Yes I would like to receive Bullivants email promotions □ No thank you □
Yes I would like to receive Bullivants mail promotions □ No thank you □
BULLIVANTS 3RD EDITION CATALOGUE

Bullivants’ 265 page handbook gives information on all of the products and services we have to offer to our customers. This glossy full colour publication contains images, specifications and part numbers to ensure that ordering from Bullivants is a simple process. Also available on CD-ROM.

BULLIVANTS LIFTING & RIGGING TECHNICAL HANDBOOK

Bullivants’ 195 page technical pocket book will give you all the information you require to ensure your workplace is compliant with Australian Standards relevant to lifting, rigging, materials handling and hoisting. Also contains information on height safety and lifting gear servicing and inspection requirements.

ORDER CODE: 44201766

BULLIVANTS RIGCHECK CARD

An excellent tool for assisting with compliance to standards and the understanding of lifting loads safely. An easy reference guide that can be kept in the pocket, cab or tool box.

BULLIVANTS OFFSHORE RIGCHECK CARD

An excellent tool for assisting with compliance to standards and the understanding of lifting loads safely in offshore applications. An easy reference guide that can be kept in the pocket, cab or tool box.

BULLIVANTS WORKING LOAD LIMITS WALL CHART

This chart is ideally mounted in areas where reference is required to the safe lifting of loads.

BULLIVANTS GUIDE FOR PERIODIC INSPECTIONS OF LIFTING & RIGGING EQUIPMENT

This chart is ideally mounted in areas where reference is required to the periodic inspections of all your lifting & rigging equipment.

BULLIVANTS WIRE ROPE BIG LIFT SLING RANGE

A guide for the care and use of BIG Lift Wire Rope Slings.

BULLIVANTS AMSTEEL® BLUE BIG LIFT SLING RANGE

A guide for the care and use of BIG Lift Amsteel® Blue Slings.

FABRICATED LIFTING PRODUCT HANDBOOK

Bullivants’ 76 page Fabricated Lifting Product handbook gives information on the range of engineered lifting products and services we have to offer to our customers. This glossy full colour publication contains images, specifications and part numbers to ensure that ordering from Bullivants is a simple process.
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<th>BRANCH</th>
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<td>NEW SOUTH WALES</td>
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<tr>
<td>Sydney</td>
<td>10-14 Kellogg Road, Glendenning NSW 2761</td>
<td>Ph: (02) 9208 3600</td>
<td>Fx: (02) 9625 3355</td>
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<tr>
<td>Muswellbrook</td>
<td>12 Carramere Road, Muswellbrook NSW 2333</td>
<td>Ph: (02) 6542 6300</td>
<td>Fx: (02) 6542 5799</td>
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<tr>
<td>Newcastle</td>
<td>32 Parker Street, Carrington NSW 2294</td>
<td>Ph: (02) 4969 4755</td>
<td>Fx: (02) 4962 1468</td>
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<tr>
<td>Wollongong</td>
<td>5 Investigator Drive, Unanderra NSW 2526</td>
<td>Ph: (02) 4272 1455</td>
<td>Fx: (02) 4272 1430</td>
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<td>NORTHERN TERRITORY</td>
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<td>Darwin</td>
<td>2 Cato Street, Winnellie NT 0820</td>
<td>Ph: (08) 8984 3299</td>
<td>Fx: (08) 8984 4946</td>
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<td>QUEENSLAND</td>
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<tr>
<td>Brisbane</td>
<td>81 Colebard Street West, Acacia Ridge QLD 4110</td>
<td>Ph: (07) 3277 9855</td>
<td>Fx: (07) 3277 2182</td>
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<tr>
<td>Cairns</td>
<td>86-88 Aumuller Street, Cairns QLD 4870</td>
<td>Ph: (07) 4035 4777</td>
<td>Fx: (07) 4035 4784</td>
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<td>Emerald</td>
<td>Cnr of Cameron Rd &amp; Munro Rd, Emerald QLD 4720</td>
<td>Ph: (07) 4980 0900</td>
<td>Fx: (07) 4987 5627</td>
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<td>Gladstone</td>
<td>116 Hanson Road, Gladstone QLD 4680</td>
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<td>Mackay</td>
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<td>Adelaide</td>
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<td>10 Callanna Road, Roxby Downs SA 5725</td>
<td>Ph: (08) 8671 3255</td>
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<td>Melbourne</td>
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<td>Newman</td>
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<td>Ph: (08) 9175 9000</td>
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<td>Perth</td>
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<td>5 Halifax Drive, Bunbury WA 6230</td>
<td>Ph: (08) 9725 6380</td>
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<td>Kalgoorlie</td>
<td>Cnr Lane &amp; Hay Street, Kalgoorlie WA 6430</td>
<td>Ph: (08) 9091 1411</td>
<td>Fx: (08) 9091 1384</td>
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<tr>
<td>Karratha</td>
<td>Lot 120 Mooligun Road, Karratha WA 6714</td>
<td>Ph: (08) 9144 4577</td>
<td>Fx: (08) 9144 4566</td>
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<tr>
<td>Port Hedland</td>
<td>4 Manganese Street, Wedgefield WA 6721</td>
<td>Ph: (08) 9160 2500</td>
<td>Fx: (08) 9172 3635</td>
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