



Your Valuable Life in  
Secure Hands



# SECURE FIRST™

*Safety Unmatched...!!*

A BRAND OWNED BY  
**VIRAJ SYNTEX PVT. LTD.**  
A Name Trusted for more than 19 Years

An ISO 9001 : 2008 Certified Company

[www.vsplgroup.com](http://www.vsplgroup.com)



CE 0082



# know us

VIRAJ SYNTEX (P) LTD. (VSPL Group) established in 1995 has managed to carve a niche for itself in terms of customer satisfaction and state of the art technology.

VSPL Group specializes in the field of Narrow Woven Fabrics & Braided Cords/Ropes, Fall Protection Equipments, Material handling & Load Restraint Systems and Equestrian Products. In India, we are one of the leading suppliers of Narrow Woven Fabrics used in Parachutes and other safety equipments used by the Indian Defence Organisations. Our Manufacturing set-up is spread over 1,50,000 sq. ft and is equipped with finest and latest weaving, braiding, twisting machines along with continuous dyeing and testing equipments. We are one of the few companies having a complete Vertical Integrated manufacturing process along with complete In house testing of all input raw material till complete finished products which gives us a strong control over quality at every step.

All our systems & process are registered to ISO 9001:2008. ISI and CE certifications reaffirm our commitment towards values of quality, innovation & fair Business Practices for complete customer satisfaction.

VSPL Group has expanded its marketing horizons in Europe, UK, Asia Pacific, Africa, Australia and Middle East.

## Our Brands:-

- Material handling & Load Restraint Systems are being marketed under the name **SECURE LIFT**. We are manufacturing these products as per EN 12195-2 standards for lashings and EN 1492-1, IS 15041:2001 and ASME B 30.9 for lifting slings.
- Fall Protection Equipment's are being marketed under the name **SECURE FIRST**. We have been designing, developing & manufacturing these protective equipment's (An absolute solution in Height Safety & confined space) as per EN 361:2002 standards for body harness/sit harness, EN 354:2002 standards for Lanyards and EN 355:2002 standards for Energy absorbers.
- Polyester strapping and One-Way Lashing systems are being marketed under the name **SECURE LASH**. Quality of Woven Strap is ensured by the ISO 9001:2008 certification. It is safe, easy to use and offers a cost effective alternative to steel banding and wire ropes.

An ISO 9001 : 2008 Certified Company



# CONTENTS



Our Operations	01-02
Testing Procedures	03-04
Certification	05

06-25	Full Body Harness <ul style="list-style-type: none"><li>“R” Series</li><li>Work Positioning Belt</li><li>“COMBO” Series</li><li>“ULTRA” Series</li><li>“M” Series</li><li>“FLEXI” Series</li><li>“TECH” Series</li><li>“E” Series</li></ul>
26-41	Lanyards <ul style="list-style-type: none"><li>Work Positioning Lanyard</li><li>Restraint Lanyard</li><li>Energy Absorber</li><li>Internal Shock Absorber</li><li>Fall Arrest Lanyard</li><li>Forked Lanyard</li><li>Expandable Lanyard</li></ul>
42	Anchorage
43-44	Safety Ropes
45	Temporary Horizontal Line
46-47	Fall Arrester
48-49	Hooks & Connector <ul style="list-style-type: none"><li>Steel Hooks &amp; Connectors</li><li>Aluminium Hooks &amp; Connectors</li></ul>
50-51	Rope Access & Rescue
52	Confined Space Entry
53-54	Retractable Blocks
55-57	Safety Kits
58	Safety Net
59	Training Cell & PPE Inspection

## **WARNING**

Many of the activities for which these products have been designed are inherently dangerous. Extreme care should be exercised when using any of these products. Improper use or misuse of these products may result in property damage, injury or death. Do not attempt to use these products without proper training. Use, inspect, and repair only in accordance with manufacturer’s instructions. All information contained in this document is subject to revision.

WEAVING SECTION



HARNESS STITCHING



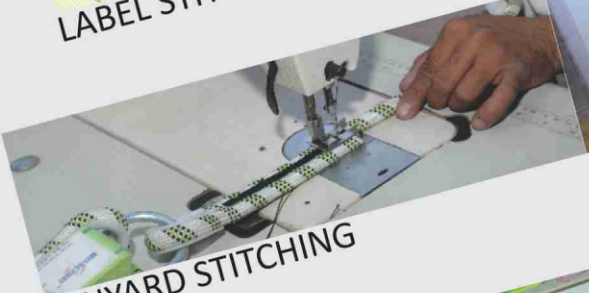
LABEL STITCHING



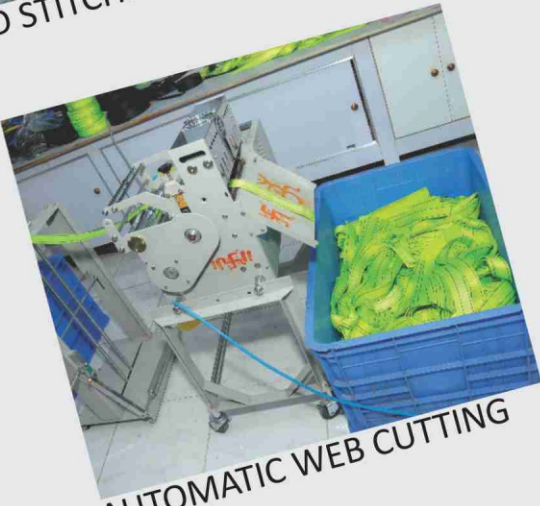
KERNMANTLE ROPE BRAIDING



LANYARD STITCHING



AUTOMATIC WEB CUTTING



BRAIDING SECTION



HARNESS MARKING







WEBBING DYEING



HEAT SHRINKING

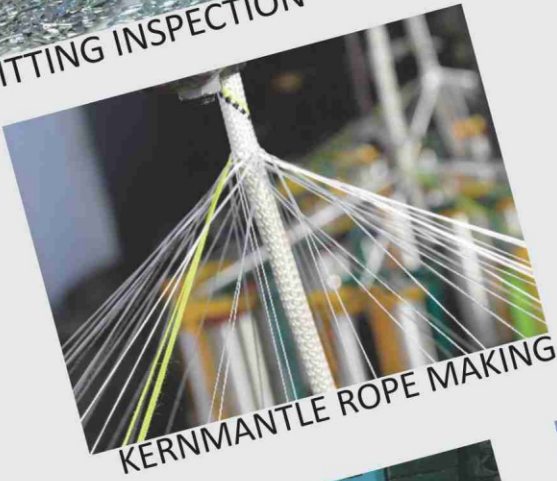
PAD STITCHING



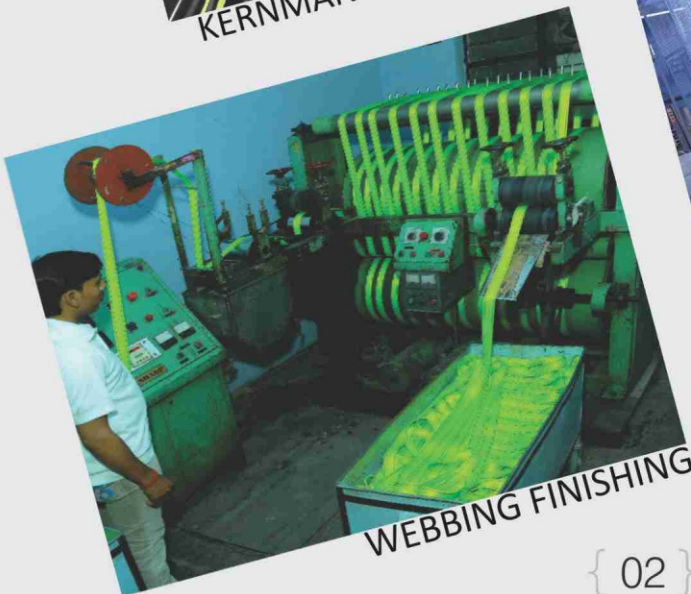
METAL FITTING INSPECTION



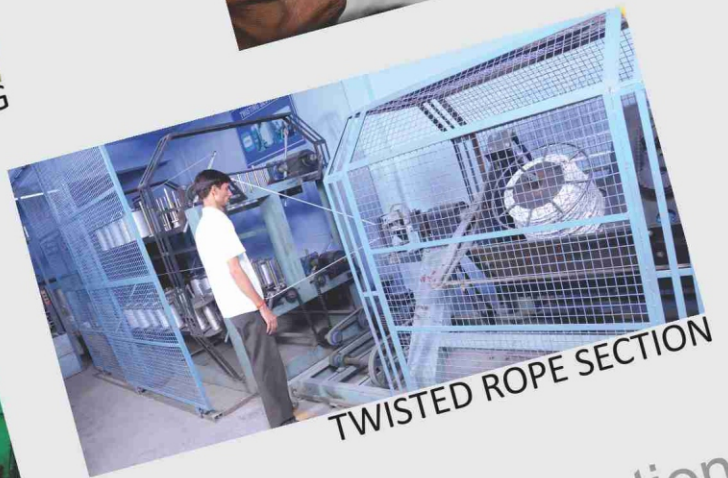
ROPE SPLICING



KERNMANTLE ROPE MAKING



WEBBING FINISHING



TWISTED ROPE SECTION



ur Operations

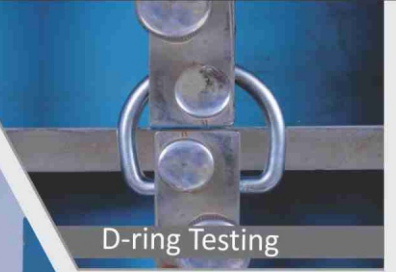




Lab



Webbing Testing



D-ring Testing



Salt Spray Testing



Static Load Testing  
of Scaffold Hook



Static Harness Load Testing



Dynamic Load Testing

Each and every step of manufacturing at Viraj Syntex (P) Ltd. follows adherence to strict quality parameters and focus lies on quality through-out the various stages involved. All raw as well as semi finished goods at Viraj Syntex (P) Ltd. also pass through stringent quality norms as laid down in the Quality Manual of the Company.

The final product, at Viraj Syntex (P) Ltd. is then tested to fulfill the requirements which are set much above the EN Norms and ISI standards.

# TESTING PROCEDURES AT SECURE FIRST™



Buckle Frame Testing



Rope Testing



Chemical Analysis

Colour Matching Machine



Flammability Testing

Static Load Testing of Karabiner

Each and every step of manufacturing at Viraj Syntex (P) Ltd. follows adherence to strict quality parameters and focus lies on quality through-out the various stages involved. All raw as well as semi finished goods at Viraj Syntex (P) Ltd. also pass through stringent quality norms as laid down in the Quality Manual of the Company.

The final product, at Viraj Syntex (P) Ltd. is then tested to fulfill the requirements which are set much above the EN Norms and ISI standards.

AT SECURE FIRST™  
**PROCEDURES TESTING**



European Standards - EN	
Belt for Work Positioning, Restraint & Work Positioning Lanyards	EN 358
Full Body Harnesses	EN 361
Sit Harnesses	EN 813
Connectors	EN 362
Lanyards	EN 354
Energy Absorbers	EN 355
Anchorage Devices - Requirements & Tests	EN 795
Guided type Fall Arrester including a Flexible Anchorage Line	EN 353-2
Retractable type Fall Arresters	EN 360
Rescue Lifting Devices	EN 1496
Descender Devices for Rescue	EN 341
Rescue Harnesses	EN 1497
Safety Helmet	EN 397
Safety Shoe	EN 20 345
Indian Standards - ISI	
Full Body Harnesses - ISI Standard	IS 3521
Safety Shoes	IS 15298
Safety Helmet	IS 2925

**Systems Certification (ISO 9001:2008)**

Under this certification all processes and systems are stringently monitored to deliver quality product at each stage of manufacturing and service.

**Product Certification (CE)**

More than 75 products manufactured by SECURE FIRST are CE certified.

Our Certificates have been issued by Certifying Body APAVE-FRANCE, in accordance with Article 10 of the PPE Directive 89/686/EEC. The Notified Body

Number of APAVE is 0082.

Our on-going assessment body is APAVE-FRANCE which issues us our 11B certificate as per directive 89/686/EEC. The notified body number of APAVE is 0082.

All our products are marked '0082'.

As per 11B certificate all products marked CE 0082 must have a valid E.C. type examination certificate issued under Article 10.



# FULL BODY HARNESS



All SECURE FIRST Harnesses are made of In-house dyed High Tenacity Polyester Yarn, imparting high resistance to UV, colour stability to wash & rubbing fastness.

Before wearing a Harness it is important to inspect the Harness for certain features

- Hold the Harness by the back D-ring, and allow the straps to fall in its place. The Harness has clear and separate colours for the shoulder and thigh straps, for them to be easily distinguished.
- Inspect the Harness webbing for any

cuts, burns or damages.

- Check the stitches for their continuity.
- Carefully look for any evidence of corrosion on the metal parts.
- SECURE FIRST Harnesses also give an assurance that the Harness has not been subjected to a fall, if the unique Fall Indicator is still secure on the shoulder straps.

The Fall Indicator is a small label stitched to the back side of the shoulder strap, and it flies out of the Harness in the event of a fall.



## WEARING HARNESS

THE HARNESS CAN BE WORN BY FOLLOWING THESE SIMPLE 6 STEPS:

1



Hold harness by back D-ring. Shake harness to allow all straps to fall in place.

2



If chest, waist and/or leg straps are buckled, release straps and unbuckle at this time.

3



Slip straps over shoulders so D-ring is located in middle of back between shoulder blades.

4



Pull leg strap between legs and connect to opposite end. Repeat with second leg strap. Connect waist strap, if present. Waist strap should be tight but not binding.

5



Connect chest strap and position in mid chest area 6" (152mm) to 8" (203mm) below the trachea but not below the sternum. Tighten to keep shoulder straps taut.

6



After all straps have been buckled, tighten all webbing so that harness fits snug but allows full range of movement. Pass excess strap through loop keepers.

### Suspension Trauma Strap

Ref: SF-ST5-01

Avoid the effects of Suspension Trauma with the use of SECURE FIRST Suspension Trauma Straps.

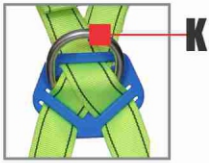
- Extremely effective; specially designed to help relieve the negative effects of Suspension Trauma.
- Compact and Light-weight. Does not hamper the activity of worker while at work.
- Allows the suspended worker to stand up in his harness to relieve pressure.
- Easy to attach to the Harness with the help of the textile loop and velcro provided.
- Easy deployment; operation is fool-proof.



SECURE FIRST provides Harnesses fitted with the Suspension Trauma Relief Straps on request.



SECURE FIRST ‘R’ Series of Full Body Harnesses comes in the catchy combination of Fluorescent Green and Black. Equipped with all the unique features that provide full comfort and ergonomics to the wearer, this range of Harnesses withstands the highest test of Safety standards as laid out in the European Norms, and is CE Certified.



## Features of **“R”** SERIES Harnesses



**A** **Webbing** : 44 mm wide strong web with smooth & shiny finished, UV stabilized.

**B** **Chest Strap** : Adjustable Chest Strap to facilitate user for shifting chest strap in desired position.

**C** **Front Attachment** : All Harness textile loops are covered with strong protective anti abrasive sleeve to reduce abrasion & enhance reinforcement while in contact of metallic connectors.

**D** **Lateral D-ring** : For attaching work positioning lanyards enabling the worker to work easily with both hands free.

**E** **Padded Belt** : Thick cushion padding with anti sweat fabric to increase back support & comfort for better worker efficiency.

**F** **Stitching** : Controlled stitching with heavy duty stitching thread as per desired for strength & looks.

**G** **Loops** : Plastic Sliding Loops with easy sifting for proper fit adjustment of harness.

**H** **Label** : All Taffeta Printed label duly covered with strong transparent plastic film to avoid fading of printing for longer visibility of marking.

**I** **Label A or A/2** : Indicate all attachment point for fall arrest.

**J** **Adjustment Buckles** : All adjustment buckle attached with webbing pull grip for easy and quick pulling for desired adjustment for proper fit.

**K** **Dorsal Attachment Point** : All Harness provide with large size forged D-ring for fall arrest & easy connection with connectors for proper free movement.

**L** **Back ID Plate** : Heavy duty plastic support plate for dorsal attachment and with easy shifting for proper fit adjustment of harness.

FULL BODY HARNESS

### EXTENSION BAND

This Extension Band allows the user to easily connect himself to the dorsal attachment D-Ring without any external help



Unique Optional Extension Band (made of 30cm Length webbing) on the Dorsal Attachment D-Ring may be provided on request.



HARNESS PACKING BAG



**WARNING** - It is advisable to use lanyard of length not above 1.5m with harness equipped with Extension Band.

**Ref: SF-FBH-1010**

- ◆ A Dorsal Attachment D-Ring for Fall Arrest
- ◆ Adjustable Chest-Strap and thigh-straps; for easy adjustment
- ◆ Shoulder and thigh-straps Single colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-1010(E)



Dorsal



930 gms

Weight



25 kN

Breaking Strength



**Ref: SF-FBH-1011**

- ◆ A Dorsal Attachment D-Ring for Fall Arrest
- ◆ Adjustable Chest-Strap and thigh-straps; for easy adjustment
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-1011(E)



Dorsal



960 gms

Weight



25 kN

Breaking Strength

**Ref: SF-FBH-1012**

- ◆ 2 Chest attachment textile loops and a Dorsal attachment D- Ring for Fall Arrest
- ◆ Adjustable Chest-Strap and thigh-straps
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-1012(E)



Dorsal



Sternal



980 gms

Weight



25 kN

Breaking Strength







Ref: SF-FBH-A-1021

- ◆ A Dorsal attachment D- Ring for Fall Arrest
- ◆ Adjustable shoulder, Chest-Strap and thigh-straps; for easy adjustment
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1021(E)



Dorsal



1230  
gms

Weight



25 kN

Breaking Strength

Ref: SF-FBH-A-1022

- ◆ 2 Chest attachment textile loops and a Dorsal attachment D- Ring for Fall Arrest
- ◆ Adjustable shoulder, Chest and thigh-straps.
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1022(E)



Dorsal



Sternal



1300  
gms

Weight



25 kN

Breaking Strength



Ref: SF-FBH-A-1023

- ◆ 2 Chest attachment D- Rings and a Dorsal attachment D- Ring for Fall Arrest
- ◆ Adjustable shoulder, Chest-Strap and thigh-straps; for easy adjustment
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1023(E)



Dorsal



Sternal



1490  
gms

Weight



25 kN

Breaking Strength



Ref: SF-FBH-A-1024

- ◆ 1 Chest attachment D- Ring and a Dorsal attachment D- Ring for Fall Arrest
- ◆ Adjustable shoulder, Chest and thigh-straps.
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1024(E)



Ref: SF-FBRH-1025

- ◆ 1 Sternal attachment D- Ring and a Dorsal attachment D- Ring for Fall Arrest; Extension Rescue strap with top D- Ring for Rescue
- ◆ Adjustable shoulder, Chest and thigh-straps
- ◆ Shoulder and thigh-straps differentiated by a dual colour scheme
- ◆ Ideally positioned sit-strap for extended comfort
- ◆ Compliance - Conforms to EN 361:2002 and EN 1497

Also Available with Extension Band-Ref: SF-FBRH-1025(E)

The Extension Rescue Strap incorporated on the shoulder strap of the Harness has a D-ring which can be used to connect to the Rescue Equipment, when in need. It allows easy rescue of the worker, and minimizes his discomfort while being rescued. The Extension Rescue Strap otherwise lies attached to the shoulder strap with the help of velcro binding, when not in use.

FULL BODY HARNESS

**SIT HARNESS**

Ref: SF-SH-1051

- ◆ 2 Lateral Metallic D-Rings for Work Positioning. 1 front Ventral attachment (Metallic D-Ring) for Rope Access
- ◆ Adjustable thigh-straps and waist belt
- ◆ Ideal for Work Positioning, Restraint System and Rope Access work
- ◆ The waist belt and the leg straps are provided with a soft padding for best possible comfort
- ◆ Conforms to EN 358:2000 and EN 813 : 2008





Ref: SF-FBH-A-1021(AB)

- ▶ A Dorsal attachment D- Ring for Fall Arrest
- ▶ Adjustable shoulder, Chest and thigh-straps; easy adjustment of Chest-Strap
- ▶ Shoulder, Thigh-straps & Chest Strap are provided with Automatic Buckles for easy adjustment.
- ▶ Shoulder and thigh-straps differentiated by a dual colour scheme
- ▶ Ideally positioned sit-strap for extended comfort
- ▶ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1021(AB)(E)



Ref: SF-FBH-A-1023(AB)

- ▶ 2 Chest attachment D- Rings and a Dorsal attachment D- Ring for Fall Arrest
- ▶ Adjustable shoulder, Chest and thigh-straps; for easy adjustment of Chest-Strap
- ▶ Shoulder, Thigh-straps & Chest Strap are provided with Automatic Buckles for easy adjustment.
- ▶ Shoulder and thigh-straps differentiated by a dual colour scheme
- ▶ Ideally positioned sit-strap for extended comfort
- ▶ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1023(AB)(E)



Ref: SF-FBH-A-1024(AB)

- ▶ 1 Chest attachment D- Ring and a Dorsal attachment D- Ring for Fall Arrest
- ▶ Adjustable shoulder, Chest and thigh-straps.
- ▶ Shoulder, Thigh-straps & Chest Strap are provided with Automatic Buckles for easy adjustment.
- ▶ Shoulder and thigh-straps differentiated by a dual colour scheme
- ▶ Ideally positioned sit-strap for extended comfort
- ▶ Conforms to EN 361:2002

Also Available with Extension Band-Ref: SF-FBH-A-1024(AB)(E)



The Work Positioning System which comprises of a work positioning belt along with a work positioning lanyard enables the worker to work at heights in a well supported position, with both his hands free.



*The Work Positioning Belts and Work Positioning Lanyards, however, should not be used for Fall Protection.*

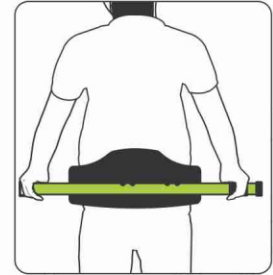
**SECURE FIRST Work Positioning Belts have a sliding belt on the comfort pad, which enables the user to easily position the adjustment buckle of the belt at the center of his waist for smooth functioning.**



Ref: SF-WPB-1001

- ▶ Wide comfort pad to provide lumbar support for long working hours
- ▶ Fully Adjustable
- ▶ Two Lateral D-Rings for Work Positioning
- ▶ Tool holding webbing loops
- ▶ Rings for tool holders, bolt bags, etc
- ▶ Available in sizes- Medium, Large, Extra Large
- ▶ Conforms to EN 358:2000

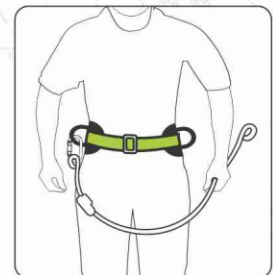
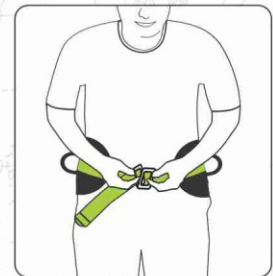
**900**  
gms  
Weight



Ref: SF-WPB-1002

- ▶ Optimum width comfort pad to provide sufficient lumbar support
- ▶ Fully Adjustable
- ▶ Two Lateral D-Rings for Work Positioning
- ▶ Tool holding webbing loops
- ▶ Rings for tool holders, bolt bags, etc
- ▶ Available in sizes- Medium, Large, Extra Large
- ▶ Conforms to EN 358:2000

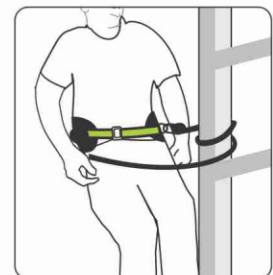
**870**  
gms  
Weight



Ref: SF-WPB-1003

- ▶ Optimum width comfort pad to provide sufficient lumbar support
- ▶ Fully Adjustable
- ▶ Two Lateral D-Rings for Work Positioning
- ▶ Rings for tool holders, bolt bags, etc
- ▶ Available in sizes- Medium, Large, Extra Large
- ▶ Conforms to EN 358:2000

**860**  
gms  
Weight



Adjust the lanyard length with the adjuster in order to be able to work comfortably with both hands free.



Ref: SF-COMBO-1031 - Combination of SF-FBH-1011 + SF-WPB-1001

- ♦ A Dorsal attachment D-Ring for Fall Arrest. 2 Lateral D-Rings for Work Positioning
- ♦ Adjustable waist belt, Chest-Strap and thigh-straps; for easy adjustment
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme. Tool holder loops and rings at the back
- ♦ Ideally positioned sit-strap for extended comfort
- ♦ Conforms to EN 361:2002 and EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-1031 (01)(E)



Ref: SF-COMBO-1032 - Combination of SF-FBH-1012 + SF-WPB-1001

- ♦ 2 Chest attachment textile loops and a Dorsal attachment D- Ring for Fall Arrest. 2 Lateral D- Rings for Work Positioning
- ♦ Adjustable thigh-straps and waist belt
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme. Tool holder loops and rings at the back
- ♦ Ideally positioned sit-strap for extended comfort
- ♦ Conforms to EN 361:2002 and EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-1032 (01)(E)



Ref: SF-COMBO-A-1041 - Combination of SF-FBH-A-1021 + SF-WPB-1001

- ♦ 1 Dorsal attachment D-Ring for Fall Arrest and 2 Lateral D-Rings for Work Positioning
- ♦ Adjustable shoulder, waist belt, Chest-Strap and thigh-straps; for easy adjustment
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme. Tool holder loops and rings at the back
- ♦ Ideally positioned sit-strap for extended comfort
- ♦ Conforms to EN 361:2002 and EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-A-1041 (01)(E)





Ref: SF-COMBO-A-1042 - Combination of SF-FBH-A-1022 + SF-WPB-1001

- ✦ 2 Chest attachment textile loops and a Dorsal attachment D-Ring for Fall Arrest. 2 lateral D-Rings for Work Positioning
- ✦ Adjustable shoulder, thigh-straps and waist belt
- ✦ Shoulder and thigh-straps differentiated by a dual colour scheme. Tool holder loops and rings at the back
- ✦ Ideally positioned sit-strap for extended comfort
- ✦ Conforms to EN 361:2002 and EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-A-1042 (01)(E)



Dorsal



Lateral



Sternal



2090  
gms

Weight



25 kN  
Breaking Strength

Ref: SF-COMBO-A-1043 - Combination of SF-FBH-A-1023 + SF-WPB-1001

- ✦ 2 Chest attachment D-Rings and a Dorsal attachment D-Ring for Fall Arrest. 2 Lateral D-Rings for Work Positioning
- ✦ Adjustable shoulder, waist belt, Chest-Strap and thigh-straps; for easy adjustment
- ✦ Shoulder and thigh-straps differentiated by a dual colour scheme. Tool holder loops and rings at the back
- ✦ Ideally positioned sit-strap for extended comfort
- ✦ Conforms to EN 361:2002 and EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-A-1043 (01)(E)



Dorsal



Lateral



Sternal



2400  
gms

Weight



25 kN  
Breaking Strength



Ref: SF-COMBO-A-1044 - Combination of SF-FBH-A-1024 + SF-WPB-1001

- ✦ One Chest attachment D-Ring and a Dorsal attachment D-Ring for Fall Arrest. Two Lateral attachment D-Rings for Work Positioning
- ✦ Adjustable shoulder and thigh-straps
- ✦ Shoulder and thigh-straps differentiated by a dual colour scheme
- ✦ Ideally positioned sit-strap for extended comfort
- ✦ Conforms to EN 361:2002 & EN 358:2000

Also Available with Extension Band-Ref: SF-COMBO-A-1044 (01)(E)



Dorsal



Lateral



Sternal



2220  
gms

Weight



25 kN  
Breaking Strength





Ref: SF-FBH(WPB02)-A-1056

- ◆ 1 Dorsal and 1 Sternal D-Ring for Fall Arrest, 1 Ventral D-Ring at waist level for Rope Access work and 2 Lateral D-Rings for Work Positioning
  - ◆ Adjustable shoulder, thigh-straps and waist belt
  - ◆ An ideal combination of Fall Arrest, Work Positioning, Rescue and Rope Access applications.
  - ◆ Soft padding on shoulder, waist and leg straps for an extended comfort
  - ◆ Conforms to EN 361:2002, EN 358:2000 & EN 813:2008
- Also Available with Extension Band-Ref: SF-FBH-(WPB02)-A-1056(E)



Dorsal



Sternal



Ventral



Lateral



2500  
gms

Weight



25 kN

Breaking Strength



Ref: SF-FBH(WPB02)-A-1057

- ◆ 1 Dorsal D- Ring for Fall Arrest, 1 Ventral D- Ring at waist level in front for Rope Access & 2 lateral D-Rings at waist level on the sides for Work Positioning
  - ◆ Adjustable shoulder, thigh-straps and waist belt
  - ◆ An ideal combination of Fall Arrest, Work Positioning, Rescue & Rope Access applications
  - ◆ Soft padding on waist and leg straps for an extended comfort
  - ◆ Compliance - Conforms to EN 361:2002, EN 358:2000 & EN 813:2008
- Also Available with Extension Band-Ref: SF-FBH-(WPB02)-A-1057(E)



Dorsal



Sternal



Ventral



Lateral



2600  
gms

Weight



25 kN

Breaking Strength



**SECURE FIRST ADVANTAGE** The karabiner at the front of this harness enables the wearer to easily wear or remove the Harness by detaching the shoulder straps.



Easy Seat Pilot Chair

Ref: SF-PC-1004

**Design:** To be used as an accessory with Harness having a Ventral D-ring at the waist level to which the karabiner is attached.

- ▶ Ergonomic & Comfortable working chair.
- ▶ Aluminium reinforcement inside

**WEBBING**

Material : Polyester  
Width : 44mm  
Breaking Strength : 23kN

**METAL COMPONENTS**

Material : High strength steel  
Plating : Zinc plated  
Finish : Silver Galvanized

SECURE FIRST, introduces its Superior Series of Harnesses, the “M” Series, it's salient features being it's Quick release buckles, easy to wear design, providing upmost comfort and protection to it's user.

## Features of **m** SERIES Harnesses



**A** **D Plate:** This cross plate webbing holder helps to keep the D-ring in place in event of a fall.

**B** **Shoulder Straps:** These shoulder straps are padded with knitted mesh pads which provide the user extra comfort, shock, and sweat absorption.

**C** **Elastic Loops:** It helps to keep the excess strap in place.

**D** **Automatic Buckles:** Makes the opening and closing operation easy and can be used with a single hand making it highly user friendly.

**E** **Lanyard Keepers:** The free connector of the forked lanyard can be attached to these holders on either side of the harness, thus avoiding injury.

**F** **Metal Components/ Parts :** Hardware used is corrosion free, with required breaking strength.

**G** **Box Stitching :** Provides extra strength to the joints and the unique stitching pattern makes the harness look more stylish.

**H** **Work Positioning Belt:** Made with knitted mesh pads for extra comfort these belts have 2 ( Two ) lateral 'D' ring for lanyard attachment as well as loops for holding accessories.

**I** **Lateral D-Rings:** Work positioning lanyards attached to these D rings for efficient working.

**J** **Thigh Straps:** They are made with knitted mesh pads for extra comfort and shock absorption . They come with automatic buckles to make operations smooth and easy.



Ref: SF-FBH-M-1501

- Attachment Elements - 2 Ideally Positioned Chest attachment textile loops and a Dorsal attachment D-Ring for Fall Arrest.
- Equipped with light weight Aluminium D-Rings.
- Adaptability - Fully adjustable shoulder, chest strap & thigh-straps.
- Convenience - Shoulder straps have combination buckles & thigh straps are provided with automatic buckles for easy adjustment. Lanyard Keepers on shoulder straps have been provided for easy placement of free lanyards.
- Ergonomics - Specially cushioned mesh net has been used for better shock absorption & comfort of the user.
- Conforms to EN 361:2002 and EN 358:2000.

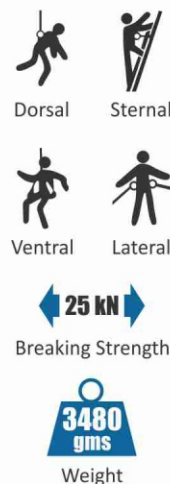


Ref: SF-FBH-M-1502

- Attachment Elements - 2 Ideally Positioned Chest attachment textile loops and a Dorsal attachment D-Ring for Fall Arrest. 2 lateral D-Rings for Work Positioning.
- Equipped with light weight Aluminium D-Rings.
- Adaptability - Adjustable shoulder, Chest and thigh-straps and waist belt
- Convenience - Shoulder straps have combination buckles and thigh straps & waist straps are provided with automatic buckles for easy adjustment. 2 Tool holder loops are provided at the back. Lanyard Keepers on shoulder straps have been provided for easy placement of free lanyards.
- Ergonomics - Ideally positioned sit-strap for extended comfort. Specially cushioned mesh net has been used for better shock absorption & comfort of the user.
- Conforms to EN 361:2002.

Ref: SF-FBH-M-1503

- Attachment Elements - 1 Dorsal & 1 Sternal D- Ring for Fall Arrest, 1 Ventral D- Ring at waist level in front for Rope Access & 2 lateral D-Rings at waist level on the sides for Work Positioning.
- Equipped with light weight Aluminium D-Rings.
- Adaptability - Adjustable shoulder, thigh-straps and waist belt
- Convenience - Shoulder straps and thigh straps are provided with automatic buckles & waist strap has combination buckles for easy adjustment. 2 Tool holder loops & an extra bigger handle at the back for keeping extra karabiners and accessories. Lanyard Keepers on shoulder straps have been provided for easy placement of free lanyards.
- Ergonomics - Ideally positioned elasticated straps for extended comfort. Specially cushioned mesh net has been used for better shock absorption & comfort of the user.
- Conforms to EN 361:2002, EN 358:2000 & EN 813:2008

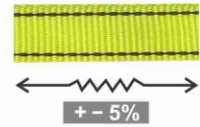


SECURE FIRST Flexi Series Constitutes Special stretchable Harnesses designed for total wearer comfort. Designed for users who are looking for high comfort, the Elastic Webbing used in these Harnesses provides great freedom of movement, allowing the wearer to twist and flex freely during long hours of work.



Ref: SF-FBH-ELA-1074

- ✦ A Sternal attachment D-Ring and a Dorsal attachment D-Ring for Fall Arrest.
- ✦ Adjustable shoulder, Chest and thigh straps
- ✦ Metal components made up of Stainless Steel for excellent corrosion protection.
- ✦ Made of Elastic Webbing for more comfort.
- ✦ Conforms to EN 361:2002



Dorsal



Sternal



1500  
gms

Weight



25 kN

Breaking Strength

Ref: SF-COMBO-ELA-1094

- ✦ A Sternal attachment D-Ring and a Dorsal attachment D-Ring for Fall Arrest
- ✦ Adjustable shoulder, Chest and thigh straps
- ✦ To be used for both Work Positioning and Fall Arrest purposes
- ✦ Metal components made up of Stainless Steel for excellent corrosion protection
- ✦ Made of Elastic webbing for more comfort.
- ✦ Conforms to EN 361: 2002 & EN 358:2000



Dorsal



Lateral



Sternal



2060  
gms

Weight



25 kN

Breaking Strength



### Jacket Harness

Ref: SF-FBJH-1012

- ✦ Attachment Elements - 2 Chest attachment Textile Loops, A Dorsal attachment D-Ring for Fall Arrest.
- ✦ Adaptability - Adjustable Thigh Straps.
- ✦ Convenience - Metal Components made up of steel.
- ✦ Conforms to EN 361:2002.



Dorsal



Sternal



1100  
gms

Weight



25 kN

Breaking Strength



SECURE FIRST NoSpark Range of Harnesses & Lanyards are antistatic in nature and are meeting ATEX requirement Certified. They have been designed to offer the perfect solution for safe working at height in explosive atmosphere. The Antistatic Material prevents the risk of an Electrostatic discharge igniting the explosive atmosphere thus allowing the user to work with complete Safety.

### NoSpark Antistatic Full Body Harness

Ref: SF-FBH-A-1022(AS)

- ✦ Comes with two front attachment textile loops in addition to the forged Aluminium Dorsal D-Ring for fall arrest.
- ✦ Stainless Steel Buckles for excellent Corrosion Protection.
- ✦ Adjustable Chest, Shoulder and thigh straps.
- ✦ Conforms to EN 361 : Fall Arrest Harness.
- ✦ Conforms to EN 13463-1:2009 and EN 13463-5:2003. Harness webbing also tested for surface resistance as per EN 1149-1:2006 and EN 1149-5:2008.



### No Spark Antistatic E.A. Forked Lanyard

Ref: SF-FWL-3601 (AS)

- ✦ Material: 44mm wide Antistatic Webbing.
- ✦ Available in Length: 1.5m, 1.8m & 2.0m.
- ✦ Attachment Elements: SF-1102 with Energy Absorber SF-EA-4400(AS) at one end and Steel Scaffold Hook SF-1301 at other ends.
- ✦ Conforms to EN 354:2010 & 355:2002.
- ✦ Conforms to EN 13463-1:2009 and EN 13463-5:2003. Lanyard webbing also tested for surface resistance as per EN 1149-1:2006 and EN 1149-5:2008.



### No Spark Antistatic E.A. Lanyard

Ref: SF-WLE-3208(AS)

- ✦ Material: 44mm wide Antistatic Webbing.
- ✦ Available in Length: 1.0m, 1.5m, 1.8m & 2.0m.
- ✦ Attachment Elements: SF-1102 with Energy Absorber SF-EA-4400(AS) at one end and Hook SF-1301 at other end.
- ✦ Conforms to EN 354:2010 & EN 355:2002
- ✦ Conforms to EN 13463-1:2009 and EN 13463-5:2003. Lanyard webbing also tested for surface resistance as per EN 1149-1:2006 and EN 1149-5:2008.



## DIELECTRIC NON CONDUCTIVE HARNESS

SECURE FIRST Di electrical range of harnesses have been specially designed for workers working in conditions where there are possible electrical hazards. Special Dielectric D-Rings, Buckles and Frames used in this range of harnesses are completely electrically insulated.

### Dielectric Non Conductive Harness

Ref: SF-COMBO-A-1042(DE)

- Special Dielectric D-Rings and all metal adjustment buckles are equipped with insulated covers to make it completely electrically insulated.
- Consists of Non Conductive D-ring as Dorsal D-Ring attachment element for fall arrest along with two Non Conductive Lateral D-rings at waist level for work positioning. Also, equipped with two front textile loops for fall arrest.
- Shoulder straps are elasticated to provide flexibility to the user.
- Compliance - Conforms to EN 361 : 2002 and EN 358 : 2000



Dorsal



Lateral



Sternal



2200  
gms



25 kN  
Breaking Strength



## FLAME RESISTANT HARNESS & LANYARD

SECURE FIRST Flame Resistant Range of VIRAJ Harnesses & Lanyards have been specially designed for workers engaged in welding and Hot work at height. Webbing of the Flame Resistant Harness & Lanyards is made of a special fibre which is Flame Resistant and can withstand temperatures of upto 700°F / 371°C with out any damage.

### Flame Resistant Full Body Harness

Ref: SF-FBH-A-1022(FR)

- The Harness is provided with adjustable Chest, Shoulder & Thigh straps. Also comes with two front attachment textile loops in addition to the Dorsal D-ring for fall arrest.
- This Harness conforms to EN 361 : 2002 The webbing is also tested in accordance with ISO 15025 : 2005 and assessed in accordance with ISO 9150:1988 and EN 13463-5:2003.



Dorsal



Sternal



1320  
gms



25 kN  
Breaking Strength



### Flame Resistant Full Body Harness

Ref: SF-COMBO-A-1042(FR)

- The Harness is provided with adjustable Chest, Shoulder & Thigh straps. Also comes with two front attachment textile loops in addition to the Dorsal D-ring for fall arrest.
- 2 lateral D-Ring at waist level on the sides for work positioning.
- Soft Padding on Waist for extended comfort. ideally positioned sit-strap for long lasting comfort.
- Conform to EN 358:2000, EN 361:2002, ISO 9150:1988 & ISO 15025:2005.



Dorsal



Lateral



Sternal



2050  
gms



25 kN  
Breaking Strength



### Flame Resistant E.A. Lanyard

Ref: SF-FWL-2601 (FR)

- Material: 44mm wide Flame Resistant Webbing.
- Consists of Karabiner (SF-1102) at one and Steel Scaffold Hook (SF-1301) at other ends.
- Available length is 1.0m, 1.5m & 2.0m.
- Conform to EN 354:2010, ISO 9150:1988 & ISO 15025:2005.



### Flame Resistant E.A. Forked Expandable Lanyard

Ref: SF-FWL(E)-3701(FR)

- Material: 44mm wide Flame Resistant Elasticated Webbing.
- Energy absorber in 44mm wide webbing which reduces the impact of the fall to less than 6 kN. Covered by a special flame resistant tubular sleeve.
- Expandable Length - 2.0 mtrs.
- Relaxed Length - 1.4 mtrs.
- Incorporated with Energy Absorber SF-EA-4400(FR) with one side Karabiner (SF-1102) & two Steel Scaffold Hooks SF-1301 at other ends.
- Conforms to EN 355:2002+VG 11/PFE63 (Additional Static Strength Test), ISO 9150:1988 & ISO 15025:2005.



### Flame Resistant E. A. Lanyard

Ref: SF-FWL-3601(FR)

- Material: 44mm wide Flame Resistant Webbing.
- Energy absorber in 44mm wide webbing which reduces the impact of the fall to less than 6KN. Covered by a special flame resistant tubular sleeve.
- Available length is 1.0m, 1.5m & 2.0m.
- Consists of karabiner (SF 1102) with Energy Absorber at one end & two steel scaffold Hook (SF 1301) at other ends.
- Conform to EN 355:202 and tested as per VG11 of PPE Directive 89/656/EEC, ISO9150:1988 & ISO 15025:2005.



### Flame Resistant Anchorage Sling

Ref: SF-ES-8004(FR)

- Material: 44mm wide Flame Resistant Webbing.
- Available Length is 1.0 m, 1.5m & 2.0m.
- Equipped with steel D-Ring at both the ends.
- Strength - Min 15kN.
- Conforms to EN 795:2012 Class B, ISO 9150:1988 & ISO 15025:2005.



### Flame Resistant Work Positioning Lanyard with Ring Adjuster

Ref: SF-WPL-2403(FR)

- Material: 30mm wide Flame Resistant Webbing.
- Forged alloy steel ring - adjuster.
- Maximum Length - 2 m.
- Provided with screw locking Karabiner SF-1102 at both the ends for attachments.
- Conforms to EN 358:1999, ISO 9150:1988 & ISO 15025:2005.



The dangers of working at a height are apparent to all concerned. Not only do they result in some irreparable damage, they can also cost a valuable life. SECURE FIRST offers a wide range of Fall Protection Harnesses approved by DGMS conforming to ISI standards, which comes with all the features of Safety to fight the fatalities of such events.

Manufactured from new advanced Polypropylene (PP) Webbing, and equipped with specially designed easy-to-use buckles for attachment, the SECURE FIRST Series of E-series Harnesses provide an easy solution to most fall hazard situations.

**Ref: SF-FBH-PP-1014**

- † 1 Sternal D-Ring at the front is use in the event of controlled descent from a height. A Dorsal Attachment D-Ring for Fall Arrest.
- † Adjustable thigh-straps.
- † Shoulder and thigh-straps differentiated by a dual colour scheme
- † Ideally positioned sit-strap for extended comfort
- † Conforms to IS 3521:1999 Class D
- † Webbing Material - Polypropylene (PP)
- † Also available in Polyester Webbing material



Dorsal



Sternal



820 gms

Weight



25 kN

Breaking Strength



IS:3521:1999  
CML-9717494



FULL BODY HARNESS



**Ref: SF-FBH-PP-1015**

- † A Dorsal Attachment D-Ring for Fall Arrest.
- † Adjustable chest-strap & thigh-straps.
- † Shoulder and thigh-straps differentiated by a dual colour scheme
- † Ideally positioned sit-strap for extended comfort
- † Conforms to IS 3521:1999 Class A
- † Webbing Material - Polypropylene (PP)
- † Also available in Polyester Webbing material



Dorsal



Sternal



800 gms

Weight



25 kN

Breaking Strength



IS:3521:1999  
CML-9717494



**Ref: SF-FBH-PP-1016**

- † A Dorsal Attachment D-Ring for Fall Arrest.
- † Adjustable chest-strap & thigh-straps.
- † Shoulder and thigh-straps differentiated by a dual colour scheme
- † Ideally positioned sit-strap for extended comfort
- † Conforms to IS 3521:1999 Class A
- † Webbing Material - Polypropylene (PP)
- † Also available in Polyester Webbing material



Dorsal



860 gms

Weight



25 kN

Breaking Strength



IS:3521:1999  
CML-9717494







Ref: SF-FBH-PP-1017

- A Dorsal attachment D-Ring for Fall Arrest. 2 Lateral D-Rings at the waist level, one on each side, help in positioning the worker so that he can work with both hands free.
- Adjustable chest-strap & thigh-straps.
- Shoulder and thigh-straps differentiated by a dual colour scheme
- Ideally positioned sit-strap for extended comfort
- Conforms to IS 3521:1999 Class P
- Webbing Material - Polypropylene (PP)
- Also available in Polyester Webbing material



Ref: SF-FBH-PP-1018

- 2 Chest attachment D-Rings for Tower Climbing. A Dorsal Attachment D-Ring for Fall Arrest.
- Adjustable chest-strap & thigh-straps.
- Shoulder and thigh-straps differentiated by a dual colour scheme
- Ideally positioned sit-strap for extended comfort
- Conforms to IS 3521:1999 Class L
- Webbing Material - Polypropylene (PP)
- Also available in Polyester Webbing material



Ref: SF-FBH-PP-1019

- 2 Sliding D-rings, one on each Shoulder Strap, this helps in easy entry into Confined Spaces. A Dorsal Attachment D-Ring for Fall Arrest.
- Adjustable chest-strap & thigh-straps.
- Shoulder and thigh-straps differentiated by a dual colour scheme
- Ideally positioned sit-strap for extended comfort
- Conforms to IS 3521:1999 Class E
- Webbing Material - Polypropylene (PP)
- Also available in Polyester Webbing material



SECURE FIRST ISI Harness also comes with an option of an economy range Polypropylene Lanyard in option of 1.5m, 1.8, 2.0 & 3m spliced at the back D-ring.

Ref: SF-RL-PP-2000

Link Connecting Poly-propylene Rope Lanyard, One Side Loop & Other Side Screw Karabiner SF-1100



Ref: SF-RL-PP-2002

Link Connecting Poly-propylene Rope Lanyard, One Side Loop & Other Side Karabiner SF-1102



Ref: SF-RL-PP-2004

Link Connecting Poly-propylene Rope Lanyard, One Side Loop & Other Side Snap Hook SF-1201



Ref: SF-RL-PP-2006

Link Connecting Poly-propylene Rope Lanyard, One Side Loop & Other Side Scaffold Hook SF-1301



**Ref: SF-FBH-PP-E01+[\*Attached Lanyard Code]**

- ♦ A Dorsal Attachment D-Ring for Fall Arrest.
- ♦ Adjustable Chest-strap & thigh-straps.
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme.
- ♦ Ideally positioned sit-strap for extended comfort.
- ♦ Conforms to IS 3521:1999 Class A
- ♦ Webbing Material - Polypropylene (PP).
- ♦ Lanyard length - 1.8m.
- ♦ Also available in Polyester Webbing Material.

Dorsal Weight Without Lanyard 850 gms Breaking Strength 25 kN



**Ref: SF-FBH-PP-E02+[\*Attached Lanyard Code]**

- ♦ 2 Chest Attachment D-Ring for Tower Climbing. A Dorsal Attachment D-Ring for Fall Arrest.
- ♦ Adjustable Chest-strap & thigh-straps.
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme.
- ♦ Ideally positioned sit-strap for extended comfort.
- ♦ Conforms to IS 3521:1999 Class L
- ♦ Webbing Material - Polypropylene (PP).
- ♦ Lanyard length - 1.8m.
- ♦ Also available in Polyester Webbing Material.

Dorsal Sternal Weight Without Lanyard 1105 gms Breaking Strength 25 kN



**Ref: SF-FBH-PP-E03+[\*Attached Lanyard Code]**

- ♦ 2 Chest textile loop for Fall Arrest and Dorsal Attachment D-Ring for Fall Arrest.
- ♦ Adjustable Chest-strap & thigh-straps.
- ♦ Shoulder and thigh-straps differentiated by a dual colour scheme.
- ♦ Ideally positioned sit-strap for extended comfort.
- ♦ Conforms to IS 3521:1999 Class A.
- ♦ Webbing Material - Polypropylene (PP).
- ♦ Lanyard length - 1.8m.
- ♦ Also available in Polyester Webbing Material.

Dorsal Weight Without Lanyard 795 gms Breaking Strength 25 kN

**\*ATTACHED LANYARD OPTIONS AVAILABLE**

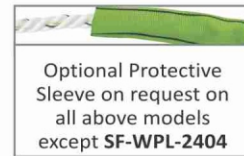
PP Twisted Rope (Dia 12.0mm)	Single Lanyard	Double Lanyard	Fitting / Attachments
	SF-RL-PP-2000	SF-RL-PP-2000x2	One side loop and Other side Screw Karabiner SF-1100
	SF-RL-PP-2002	SF-RL-PP-2002x2	One side loop and Other side Karabiner SF-1102
	SF-RL-PP-2004	SF-RL-PP-2004x2	One side loop and Other side Snap SF-1201
	SF-RL-PP-2006	SF-RL-PP-2006x2	One side loop and Other side Scaffold Hook SF-1301



## WORK POSITIONING LANYARDS

SECURE FIRST has a comprehensive and customized series of Work Positioning Lanyards. These Lanyards can be connected to the Lateral D-Rings on the Work Positioning Belts or Combination Harnesses and easily adjusted for their lengths to suit the application.

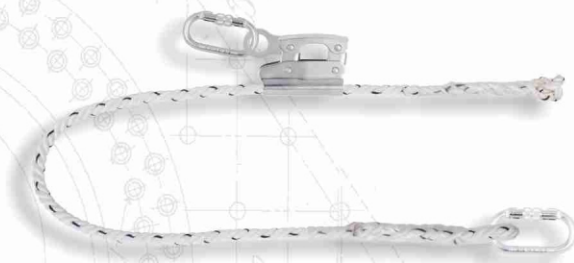
- ✦ SECURE FIRST Work Positioning Lanyards are tested and CE certified as per EN 358:2000.
- ✦ Breaking Strength min 15 kN.
- ✦ **Conforms to EN 358:2000**



### Work Positioning Lanyard with Ring type Adjuster

Ref: SF-WPL- 2401

- ✦ Made of 12mm dia polyester 3-strand Twisted Rope.
- ✦ Has a manual Ring-type adjuster of forged alloy Steel.
- ✦ Maximum length of 2.0 mtr.
- ✦ Easy to connect Steel Karabiners -SF-1102 at both the ends for attachment.



### Work Positioning Lanyard with Grip Adjuster

Ref: SF-WPL- 2402

- ✦ Made of 12mm dia polyester 3-strand Twisted Rope
- ✦ Has a convenient Rope-grab adjuster for easy length adjustment
- ✦ Maximum length of 2.0 mtr.
- ✦ Easy to connect Steel Karabiners SF-1102 at both the free ends for attachment



### Work Positioning Lanyard with Grip Adjuster

Ref: SF-WPL-2403

- ✦ Made of 12 mm dia Polyamide Kernmantle rope
- ✦ Has a convenient Rope-grab adjuster for easy length adjustment
- ✦ Maximum Length 2 mtr.
- ✦ Easy to connect Steel Karabiners SF-1102 at both ends for attachment



### Webbing Work Positioning Lanyard

Ref: SF-WPL- 2404

- ✦ Made of 30mm wide polyester webbing
- ✦ Manual Ring type adjuster of forged alloy steel
- ✦ Easy to connect Steel Karabiner SF-1102 at both the ends for attachment
- ✦ Maximum length of 2.0 mtr.

### Work Positioning Lanyard with Ring Adjuster

Ref: SF-WPL-2405

- ✦ Made up of 12mm dia for polyamide Kernmantle rope
- ✦ Easy to connect Steel Karabiner SF-1102 at both the ends for attachment
- ✦ Manual Ring type adjuster made of forged alloy steel
- ✦ Maximum length of 2.0 mtr.



	REF. NO.	FITTING / ATTACHMENTS
	SF-RL-2001	Both side loops
	SF-RL-2002	One side loop Other side Karabiner SF-1102
	SF-RL-2003	Both side Karabiners SF-1102
	SF-RL-2004	One side loop Other side Snap Hook SF-1201
	SF-RL-2005	Both side Snap Hooks SF-1201
	SF-RL-2006	One side loop Other side Scaffold Hook SF-1301*
	SF-RL-2007	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-RL-2008	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-RL-2009	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-RL-2010	One side loop Other side Anchorage Hook SF-1401
	SF-RL-2011	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-RL-2012	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

The Range of SECURE FIRST Restraint Twisted Rope Lanyards are provided with the following features :-

- ♦ They are made up of 12mm dia polyester Twisted Rope.
- ♦ The spliced end is protected with a strong transparent covering sleeve. This not only protects the splicing, but also makes the splicing visible for easy inspection prior
- SECURE FIRST offers a wide range of Twisted Rope Lanyards, having different configuration of connectors on the ends.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 354 : 2010**, and have a minimum **Breaking Strength of 22 kN**.

to use.

- ♦ The loops at the end are protected by an abrasion resistant thimble. This prevents the rope from being damaged by the metallic contact of the connector.
- ♦ The rope also has a coloured tracer strand which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-RL-2006(A), SF-RL-2008(A), SF-RL-2009(A)



RESTRAINT KERNMANTLE ROPE LANYARDS

	REF. NO.	FITTING / ATTACHMENTS
	SF-BRL-2801	Both side loops
	SF-BRL-2802	One side loop Other side Karabiner SF-1102
	SF-BRL-2803	Both side Karabiners SF-1102
	SF-BRL-2804	One side loop Other side Snap Hook SF-1201
	SF-BRL-2805	Both side Snap Hooks SF-1201
	SF-BRL-2806	One side loop Other side Scaffold Hook SF-1301*
	SF-BRL-2807	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-BRL-2808	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-BRL-2809	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-BRL-2810	One side loop Other side Anchorage Hook SF-1401
	SF-BRL-2811	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-BRL-2812	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

This range of Lanyards is made from high quality Kernmantle Rope having the following features-

- ✦ They are made up of Polyamide Kernmantle Rope (dia 12 mm).
- ✦ They are cross stitched and are protected with a strong transparent covering sleeve. This not only protects the ends, but also makes the stitches visible for easy
- SECURE FIRST offers a wide range of Kernmantle Rope Lanyards, having different configuration of connectors on the ends.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 354 : 2010**, and have a minimum **Breaking Strength of 22 kN**.

inspection prior to use.

- ✦ The loops at the end are protected by an abrasion resistant thimble. This prevents the rope from being damaged by the metallic contact of the connector.
- ✦ The rope also has a coloured tracer strand which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.



End stitching done by automatic sewing machine



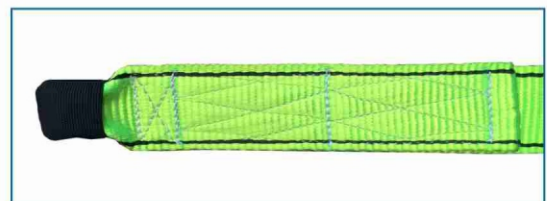
\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-BRL-2806(A), SF-BRL-2808(A), SF-BRL-2809(A)

	REF. NO.	FITTING / ATTACHMENTS
	SF-WL-2201	Both side loops
	SF-WL-2202	One side loop Other side Karabiner SF-1102
	SF-WL-2203	Both side Karabiners SF-1102
	SF-WL-2204	One side loop Other side Snap Hook SF-1201
	SF-WL-2205	Both side Snap Hooks SF-1201
	SF-WL-2206	One side loop Other side Scaffold Hook SF-1301*
	SF-WL-2207	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-WL-2208	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-WL-2209	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-WL-2210	One side loop Other side Anchorage Hook SF-1401
	SF-WL-2211	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-WL-2212	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

SECURE FIRST offers a wide range of Webbing Lanyards made from high tenacity polyester yarn, having different configuration of connectors at the ends.

- † The Webbing Lanyards in this section are made up of 44 mm wide polyester webbing.
- All SECURE FIRST Lanyards are also supplied with any other hook on special request.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 354 : 2010, and have a minimum **Breaking Strength of 22 kN.**













† The loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-WL-2206(A), SF-WL-2208(A), SF-WL-2209(A)



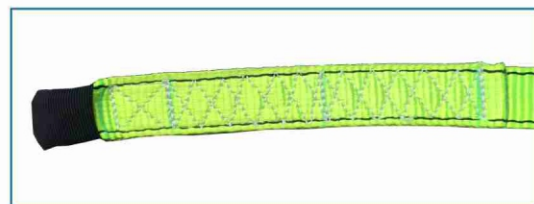
RESTRAINT WEBBING LANYARDS (30MM)

	REF. NO.	FITTING / ATTACHMENTS
	SF-NWL-7201	Both side loops
	SF-NWL-7202	One side loop Other side Karabiner SF-1102
	SF-NWL-7203	Both side Karabiners SF-1102
	SF-NWL-7204	One side loop Other side Snap Hook SF-1201
	SF-NWL-7205	Both side Snap Hooks SF-1201
	SF-NWL-7206	One side loop Other side Scaffold Hook SF-1301*
	SF-NWL-7207	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-NWL-7208	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-NWL-7209	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-NWL-7210	One side loop Other side Anchorage Hook SF-1401
	SF-NWL-7211	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-NWL-7212	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401










SECURE FIRST offers a wide range of Webbing Lanyards made from high tenacity polyester yarn, having different configuration of connectors at the ends.

- † The Webbing Lanyards in this section are made up of 30 mm wide polyester webbing.
- All SECURE FIRST Lanyards are also supplied with any other hook on special request.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 354 : 2010, and have a minimum **Breaking Strength of 22 kN**.

† The loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.

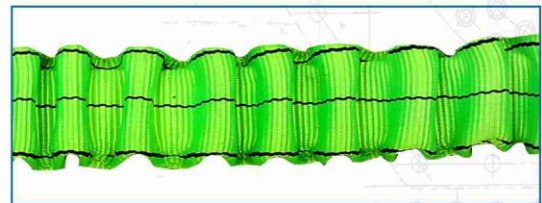


\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-NWL-7206(A), SF-NWL-7208(A), SF-NWL-7209(A)

	REF. NO.	FITTING / ATTACHMENTS
	SF-EWL-2901	Both side loops
	SF-EWL-2902	One side loop Other side Karabiner SF-1102
	SF-EWL-2903	Both side Karabiners SF-1102
	SF-EWL -2904	One side loop Other side Snap Hook SF-1201
	SF-EWL-2905	Both side Snap Hooks SF-1201
	SF-EWL-2906	One side loop Other side Scaffold Hook SF-1301 *
	SF-EWL-2907	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-EWL-2908	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301 *
	SF-EWL-2909	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301 *

These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard. The Elastic nature of the Lanyard reduces its actual effective length thereby reducing trip hazards.

♦ All VIRAJ Lanyards are also supplied with any other hook on special request.



- SECURE FIRST offers a wide range of Webbing Lanyards, Having different configuration of connectors on the ends.
- They are available in Relaxed lengths 1.4m, Expanded Length 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 354 : 2010**.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-EWL-2906(A), SF-EWL-2908(A), SF-EWL-2909(A)



## ENERGY ABSORBER

The Energy Absorber consists of a special white inner polyamide core which absorbs the arresting forces in the event of a fall. The coloured webbing serves as a back up. The clear protective covering helps in easy and fast visual inspection.

Ref: SF-EA-3000

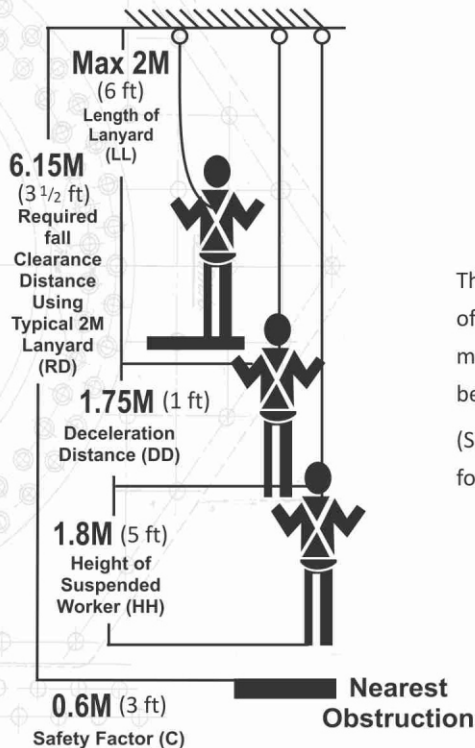


SECURE FIRST Nano Energy Absorber SF-EA-3000 is made up of 30mm wide webbing and is shrink wrapped. It reduces the impact of fall to less than 6kN, and conforms to EN 355:2002. These are compact in size & light weight.

Ref: SF-EA-4400



SECURE FIRST Energy Absorber SF-EA-4400 is made up of 44mm wide webbing and is shrink wrapped. It reduces the impact of fall to less than 6kN, and conforms to EN 355:2002



The Energy Absorber opens up to an additional length of about 110 cm, and hence the worker should always make sure that there is enough safe clear distance below his area of work.

(SECURE FIRST recommends a safe clear distance of 6m for a 2m Energy Absorbing Lanyard)

### HOW DOES THE ENERGY ABSORBER WORK

SECURE FIRST Energy Absorbers are designed to be incorporated in fall arrest or travel restraint system.

When a fall occurs, the sudden stop caused by the fall arrest system submits the human body to a high impact force (the longer the free fall distance, the higher the force).

The purpose of the Energy Absorber is to lower the impact force experienced in a fall by dissipating the Kinetic Energy and controlling deceleration. The Energy Absorbing device is

made of a specially woven Tear Webbing that elongates through on its weave and stitching. This action limits the impact force to less than 900lbs. (4kN).

For further information refer to the "User & Maintenance instructions".

**We can therefore imagine that if this Energy Absorber is absent from a fall protection system, the forces which are felt on the body of the worker can be very high and result in injury.**

	Ref: No. if with Energy Absorber SF-EA- 4400	Ref: No. if with Energy Absorber SF-EA- 3000	FITTING / ATTACHMENTS
	SF-RLE-3001	SF-RLE-3001(N)	Both side loops
	SF-RLE-3002	SF-RLE-3002(N)	One side loop Other side Karabiner SF-1102
	SF-RLE-3003	SF-RLE-3003(N)	Both side Karabiners SF-1102
	SF-RLE-3004	SF-RLE-3004(N)	One side loop Other side Snap Hook SF-1201
	SF-RLE-3005	SF-RLE-3005(N)	Both side Snap Hooks SF-1201
	SF-RLE-3006	SF-RLE-3006(N)	One side loop Other side Scaffold Hook SF-1301*
	SF-RLE-3007	SF-RLE-3007(N)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-RLE-3008	SF-RLE-3008(N)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-RLE-3009	SF-RLE-3009(N)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-RLE-3010	SF-RLE-3010(N)	One side loop Other side Anchorage Hook SF-1401
	SF-RLE-3011	SF-RLE-3011(N)	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-RLE-3012	SF-RLE-3012(N)	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401













- ▶ They are made up of polyester Twisted Rope Dia 12mm & come incorporated with an Energy Absorber pack.
  - ▶ The spliced end is protected with a strong transparent covering sleeve. This not only protects the splicing, but also makes the splicing visible for easy inspection prior to use.
  - ▶ The loops at the end are protected by an abrasion
  - ▶ All SECURE FIRST Lanyards are also supplied with any other hook on special request.
  - ▶ They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
  - ▶ All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 355 : 2002**, and have a minimum **Breaking Strength of 22 kN**.
- resistant thimble. This prevents the rope from being damaged by the metallic contact of the connector.
- ▶ The rope also has a coloured tracer strand which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-RLE-3006(A) or SF-RLE-3006 (A)(N); SF-RLE-3008(A) or SF-RLE-3008 (A)(N); SF-RLE-3009(A) or SF-RLE-3009 (A)(N).



ENERGY ABSORBING KERNMANTLE ROPE LANYARDS

	Ref: No. if with Energy Absorber SF-EA- 4400	Ref: No. if with Energy Absorber SF-EA- 3000	FITTING / ATTACHMENTS
	SF-BRLE-3801	SF-BRLE-3801(N)	Both side loops
	SF-BRLE-3802	SF-BRLE-3802(N)	One side loop Other side Karabiner SF-1102
	SF-BRLE-3803	SF-BRLE-3803(N)	Both side Karabiners SF-1102
	SF-BRLE-3804	SF-BRLE-3804(N)	One side loop Other side Snap Hook SF-1201
	SF-BRLE-3805	SF-BRLE-3805(N)	Both side Snap Hooks SF-1201
	SF-BRLE-3806	SF-BRLE-3806(N)	One side loop Other side Scaffold Hook SF-1301*
	SF-BRLE-3807	SF-BRLE-3807(N)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-BRLE-3808	SF-BRLE-3808(N)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-BRLE-3809	SF-BRLE-3809(N)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-BRLE-3810	SF-BRLE-3810(N)	One side loop Other side Anchorage Hook SF-1401
	SF-BRLE-3811	SF-BRLE-3811(N)	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-BRLE-3812	SF-BRLE-3812(N)	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

This range of Lanyards is made of Kernmantle Polyamide Rope having the following:

- ▶ They are made up of Kernmantle Polyamide Rope dia 12mm & come incorporated with an Energy Absorber pack.
- ▶ They are stitched and are protected with a strong transparent covering sleeve. This not only protects the
- ▶ end, but also makes the splicing visible for easy inspection prior to use.
- ▶ The loops at the end are protected by an abrasion resistant thimble. This prevents the rope from being damaged by the metallic contact of the connector.
- ▶ The rope also has a coloured tracer strand which loses its colour in due course of time, to show that the Lanyard is now unfit for further use.
- All SECURE FIRST Lanyards are also supplied with any other hook on special request.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 355 : 2002**, and have a minimum **Breaking Strength of 22 kN**.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-BRLE-3806(A) or SF-BRLE-3806(A)(N); SF-BRLE-3808(A) or SF-BRLE-3808(A)(N); SF-BRLE-3809(A) or SF-BRLE-3809(A)(N).

	Ref: No. if with Energy Absorber SF-EA- 4400	Ref: No. if with Energy Absorber SF-EA- 3000	FITTING / ATTACHMENTS
	SF-WLE-3201	SF-WLE-3201(N)	Both side loops
	SF-WLE-3202	SF-WLE-3202(N)	One side loop Other side Karabiner SF-1102
	SF-WLE-3203	SF-WLE-3203(N)	Both side Karabiners SF-1102
	SF-WLE-3204	SF-WLE-3204(N)	One side loop Other side Snap Hook SF-1201
	SF-WLE-3205	SF-WLE-3205(N)	Both side Snap Hooks SF-1201
	SF-WLE-3206	SF-WLE-3206(N)	One side loop Other side Scaffold Hook SF-1301*
	SF-WLE-3207	SF-WLE-3207(N)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-WLE-3208	SF-WLE-3208(N)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-WLE-3209	SF-WLE-3209(N)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-WLE-3210	SF-WLE-3210(N)	One side loop Other side Anchorage Hook SF-1401
	SF-WLE-3211	SF-WLE-3211(N)	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-WLE-3212	SF-WLE-3212(N)	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

SECURE FIRST offers a wide range of Webbing Lanyards made from high tenacity polyester yarn, having different configuration of connectors at the ends.

✦ The Webbing Lanyards in this section are made up of 44 mm wide polyester webbing & come incorporated with

- All SECURE FIRST Webbing Rope are also supplied with any other hook on special request.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 355 : 2002**, and have a minimum **Breaking Strength of 22 kN**.

an Energy Absorber pack.












- ✦ The loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-WLE-3206(A) or SF-WLE-3206(N)(A); SF-WLE-3208(A) or SF-WLE-3208(N)(A); SF-WLE-3209(A) or SF-WLE-3209(N)(A)



ENERGY ABSORBING 30MM WEBBING LANYARDS

	Ref: No. if with Energy Absorber SF-EA- 4400	Ref: No. if with Energy Absorber SF-EA- 3000	FITTING / ATTACHMENTS
	SF-NWLE-9201	SF-NWLE-9201(N)	Both side loops
	SF-NWLE-9202	SF-NWLE-9202(N)	One side loop Other side Karabiner SF-1102
	SF-NWLE-9203	SF-NWLE-9203(N)	Both side Karabiners SF-1102
	SF-NWLE-9204	SF-NWLE-9204(N)	One side loop Other side Snap Hook SF-1201
	SF-NWLE-9205	SF-NWLE-9205(N)	Both side Snap Hooks SF-1201
	SF-NWLE-9206	SF-NWLE-9206(N)	One side loop Other side Scaffold Hook SF-1301*
	SF-NWLE-9207	SF-NWLE-9207(N)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-NWLE-9208	SF-NWLE-9208(N)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-NWLE-9209	SF-NWLE-9209(N)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*
	SF-NWLE-9210	SF-NWLE-9210(N)	One side loop Other side Anchorage Hook SF-1401
	SF-NWLE-9211	SF-NWLE-9211(N)	One side Karabiner SF-1102 Other side Anchorage Hook SF-1401
	SF-NWLE-9212	SF-NWLE-9212(N)	One side Snap Hook SF-1201 Other side Anchorage Hook SF-1401

SECURE FIRST offers a wide range of Webbing Lanyards made from high tenacity polyester yarn, having different configuration of connectors at the ends.

♦ The Webbing Lanyards in this section are made up of 30 mm wide polyester webbing & come incorporated with

- All SECURE FIRST Webbing Rope are also supplied with any other hook on special request.
- They are available in lengths 1.0m, 1.5m, 1.8m, and 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 355 : 2002**, and have a minimum **Breaking Strength of 22 kN**.

an Energy Absorber pack.

- ♦ The loops at the ends are protected by an abrasion resistant covering. This prevents the webbing from being damaged by the metallic contact of the connector.



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-NWLE-9206(A) or SF-NWLE-9206 (N) (A); SF-NWLE-9208(A) or SF-NWLE-9208 (N) (A); SF-NWLE-9209(A) or SF-NWLE-9209 (N) (A).

	Ref: No. if with Energy Absorber SF-EA- 4400	Ref: No. if with Energy Absorber SF-EA- 3000	FITTING / ATTACHMENTS
	SF-EEAWL-3901	SF-EEAWL-3901(N)	Both side loops
	SF-EEAWL-3902	SF-EEAWL-3902(N)	One side loop Other side Karabiner SF-1102
	SF-EEAWL-3903	SF-EEAWL-3903(N)	Both side Karabiners SF-1102
	SF-EEAWL-3904	SF-EEAWL-3904(N)	One side loop Other side Snap Hook SF-1201
	SF-EEAWL-3905	SF-EEAWL-3905(N)	Both side Snap Hooks SF-1201
	SF-EEAWL-3906	SF-EEAWL-3906(N)	One side loop Other side Scaffold Hook SF-1301*
	SF-EEAWL-3907	SF-EEAWL-3907(N)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-EEAWL-3908	SF-EEAWL-3908(N)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-EEAWL-3909	SF-EEAWL-3909(N)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*

These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard. The Elastic nature of the Lanyard reduces the actual effective length of the Lanyard thereby reducing trip hazards.








- ▶ All VIRAJ Lanyards are also supplied with any other hook on special request.
- ▶ All SECURE FIRST offers a wide range of Webbing Lanyards, Having different configuration of connectors on the ends.
- ▶ They are available in Relaxed lengths 1.4m, Expanded Length 2.0m.
- ▶ All Lanyards with different combinations of connectors mentioned below are individually certified as per **EN 355 : 2002**,



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-EEAWL-3906(A) or SF-EEAWL-3906(N)(A); SF-EEAWL-3908(A) or SF-EEAWL-3908(N)(A); SF-EEAWL-3909(A) or SF-EEAWL-3909(N)(A).



INTERNAL SHOCK ABSORBING EXPANDABLE LANYARD

	REF. NO.	FITTING / ATTACHMENTS
	SF-EEAWL-3901(IS)	Both side loops
	SF-EEAWL-3902(IS)	One side loop Other side Karabiner SF-1102
	SF-EEAWL-3903(IS)	Both side Karabiners SF-1102
	SF-EEAWL-3904(IS)	One side loop Other side Snap Hook SF-1201
	SF-EEAWL-3905(IS)	Both side Snap Hooks SF-1201
	SF-EEAWL-3906(IS)	One side loop Other side Scaffold Hook SF-1301*
	SF-EEAWL-3907(IS)	One side Karabiner SF-1102 Other side Snap Hook SF-1201
	SF-EEAWL-3908(IS)	One side Karabiner SF-1102 Other side Scaffold Hook SF-1301*
	SF-EEAWL-3909(IS)	One side Snap Hook SF-1201 Other side Scaffold Hook SF-1301*

**These Lanyards come with Energy Absorption feature incorporated within their core, they do not require any additional Energy Absorber Pack, hence are lighter in weight.**


These Lanyards are ideal for use in conditions where there are chances of the user tripping over the Lanyard. The Elastic nature of the Lanyard reduces the actual effective

length of the Lanyards thereby reducing trip hazards.

♦ All VIRAJ Lanyards are also supplied with any other hook on special request.

- SECURE FIRST offers a wide range of Webbing Lanyards, having different configuration of connectors on the ends.
- They are available in Relaxed lengths 1.4m to 1.6m, Expanded lengths 2.0m.
- All Lanyards with different combinations of connectors mentioned below are individually certified as per EN 355 : 2002



 \* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-EEAWL-3906(IS)(A), SF-EEAWL-3908(IS)(A), SF-EEAWL-3909(IS)(A)



Ref: SF-FBRL-2401

- ✦ Made of Kernmantle Rope of dia 12mm.
- ✦ Length 1.5m, 1.8m, 2.0m.
- ✦ SF-1102 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 354:2010.

Ref: SF-FRL-2501

- ✦ Made of 12mm Dia 3 strands Twisted Polyamide Rope.
- ✦ Length 1.5m, 1.8m, 2.0m.
- ✦ SF-1102 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 354:2010.



Ref: SF-FWL-2601

- ✦ Made of 44mm Polyester Webbing.
- ✦ Length 1.5m, 1.8m, 2.0m.
- ✦ SF-1102 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 354:2010.

Ref: SF-NWFL-2601

- ✦ Made of 30mm wide Polyester Webbing.
- ✦ Length 1.5m, 1.8m, 2.0m.
- ✦ SF-1102 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 354:2010.





## FORKED LANYARDS WITH ENERGY ABSORBER

SECURE FIRST Energy Absorbing Forked Lanyards comes in Twisted Rope, Kernmantle Rope and also in 44mm & 30mm wide Polyester webbing, and offer the facility to move in all directions while remaining safely anchored at all times.

### Ref: SF-FBRL-3401

- ✦ Made of Polyamide Kernmantle Rope (Dia 12mm)
- ✦ Length of 1.5 m, 1.8 m, 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 355:2002

### Ref: SF-FBRL-3401 (D)



### Ref: SF-FRL-3501

- ✦ Made of 12mm dia 3 strands Twisted polyester Rope
- ✦ Length of 1.5 m, 1.8 m, 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 355:2002

### Ref: SF-FRL-3501 (D)



### Ref: SF-FRL-3502

- ✦ Made of 12mm dia 3 strands Twisted polyester Rope
- ✦ Length of 1.5 m, 1.8 m, 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Snap Hooks SF-1201 at other ends.
- ✦ Conforms to EN 355:2002

### Ref: SF-FRL-3502 (D)



### Ref: SF-FWL-3601

- ✦ Made of 44mm wide Polyester webbing
- ✦ Length of 1.5 m, 1.8 m, 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 355:2002

The Energy Absorber pack used is SF-EA-4400 (However SF-EA-3000 also available on request) (Ref: SF-FWL-3601(N) when using SF-EA-3000 Energy Absorber pack)

### Ref: SF-FWL-3601 (D)



### Ref: SF-NWFL-3601

- ✦ Made of 30mm wide Polyester webbing
- ✦ Length of 1.5 m, 1.8 m, 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 355:2002

The Energy Absorber pack used is SF-EA-4400 (However SF-EA-3000 also available on request) (Ref-SF-NWFL-3601(N) when using SF-EA-3000 Energy Absorber pack)

### Ref: SF-NWFL-3601 (D)



- ✦ These Lanyards are ideal for usage in conditions where there are chances for the user tripping over the Lanyard.
- ✦ The Elastic nature of the Lanyard reduces the actual effective length of the Lanyard thereby reducing trip hazards.



**Ref: SF-EWL-290**

- ✦ Made of 44mm wide Polyester Tubular webbing
  - ✦ Relaxed Length 1.4 m and Expandable length 2.0 m
  - ✦ Conforms to EN 354:2010
- Attachments : Any type of connector (see page for connector) can be supplied as per the request.

**Ref: SF-FWL(E)-370**

- ✦ Made of 44mm wide Polyester Tubular webbing
- ✦ Relaxed Length 1.4 m and Expandable length 2.0 m
- ✦ SF-1102 with Energy Absorber SF-EA-4400 at one end and two Steel Scaffold Hooks SF-1301 at other ends.
- ✦ Conforms to EN 355:2002

**Ref: SF-FWL-3701 (D)**



**Ref: SF-EEAWL-390**

- ✦ Made of 44mm wide Polyester Tubular webbing
  - ✦ Relaxed Length 1.4 m and Expandable length 2.0 m
  - ✦ Conforms to EN 355:2002 (with combination certification)
- Attachments : Any type of connector (see page for connector) can be supplied as per the request.



EXPANDABLE INTERNAL SHOCK ABSORBING TWIN LANYARDS

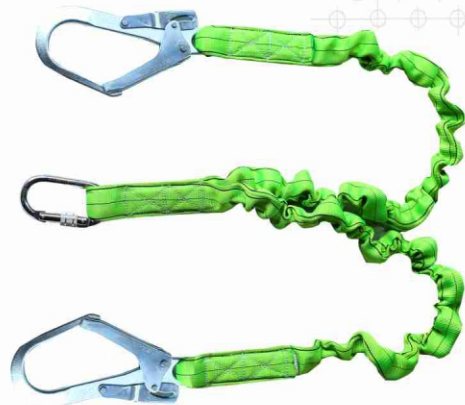
These Lanyard are ideal for use in conditions where there are chances of the user tripping over the Lanyard. The Elastic nature of the Lanyard reduces the actual effective length of the Lanyard thereby reducing trip hazards.

Expandable internal shock absorbing twin lanyards

**Ref: SF-FWL(E)-3701(IS)**

- ✦ Made of 44mm Tubular webbing.
- ✦ Relaxed Length 1.4m to 1.6m & Expanded length 2.0m.
- ✦ Conforms to EN 355:2002.

Attachments : SF-1102 at one end and two Steel Scaffold Hooks SF-1301 at other ends



\* Also available with Aluminium Rebar Hook SF-AL-052 in place of Steel Scaffold Hook SF-1301. The Ref. No. of the lanyards will be SF-FWL(E)-3701(IS)(A)



# ANCHORAGES

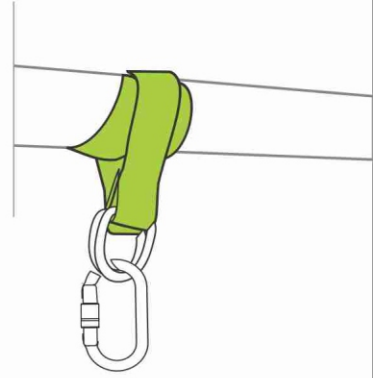
SECURE FIRST provides anchorage made of webbing sling of various configurations, the length of which can be altered as per requirement.



## Anchorage Webbing Sling

Ref: SF-ES-8003

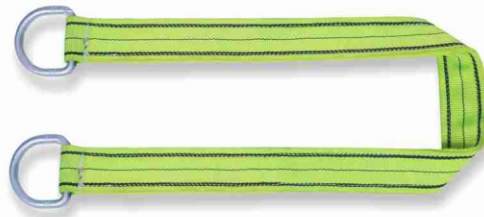
- ▶ Made up of 44mm wide Polyester Webbing
- ▶ Length : 1.0m or as requested
- ▶ Having a D-Ring at one end and textile loop at the other end
- ▶ Strength : Min 15 kN for 3 minutes
- ▶ Conforms to EN 795:1996



## Anchorage Webbing Sling

Ref: SF-ES-8004

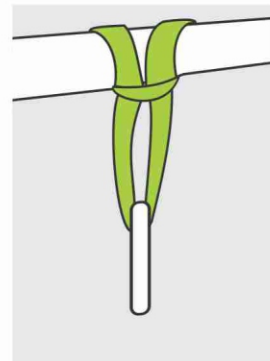
- ▶ Made up of 44mm wide Polyester Webbing
- ▶ Length : 1.0m, 1.5m, 2.0m, or as requested
- ▶ Having a D-Ring on both the ends
- ▶ Strength : Min 15 kN for 3 minutes
- ▶ Conforms to EN 795:1996



## Anchorage Webbing Sling

Ref: SF-ES-8006

- ▶ Made up of 25mm wide Polyester Webbing
- ▶ Length : 1.0m, 1.5m or as requested
- ▶ Strength : Min 10 kN for 3 minutes
- ▶ Conforms to EN 795:1996



## Anchorage Webbing Sling

Ref: SF-ES-8008

- ▶ Made up of 44mm wide Polyester Webbing
- ▶ Length : 0.5 mtr or as requested
- ▶ Strength : Min 10 kN for 3 minutes
- ▶ Conforms to EN 795:1996



VIRAJ Group has decades of experience in the production of safety ropes as well as continuous research and development work have made us a rope specialist for fall protection systems such as restraint systems, work positioning, and fall arrest systems.

**SECURE FIRST** has never compromised with quality. Therefore, we use only polyamide or polyester material for making ropes. As your safety is our satisfaction & priority, our employees put each rope under all quality tests, so you can be sure to work with a perfect product. SECURE FIRST safety ropes are certified to current standards and are permanently controlled. Due to perfect matching of the individual components maximum safety and perfect ergonomics are ensured.

Beyond our range of ropes you may choose from among various ways of tailoring such as sewing or knotting. Even complex requirements are implemented quickly and to your fullest satisfaction. The **SECURE FIRST** package is rounded off by our inspection service and specific product training.



### BENEFITS

- ▶ High-Grade polyamide
- ▶ Impregnated, twisted, heat-treated core > dirt resistance and permanent elongation properties
- ▶ External impregnation > higher robustness, suppleness
- ▶ Water-repellent due to impregnation
- ▶ Good grip & ergonomic handling
- ▶ Very good abrasion protection due to high-twist yarns
- ▶ Extra light while featuring a high minimum breaking load
- ▶ Suitable as ascension rope knot or sewing

### Karnamental Static Rope (EN 1891 - Type A)

Sr.	Diameter (mm)	10.00	10.50	11.00	11.50	12.00	12.50	14.00
1	Item Code	BC-116	BC-304	BC-299	BC-343	BC-300	BC-257	BC-113
2	Mass / Meter	68.22	71.28	75.10	79.90	92.46	96.85	31.00
3	Sheath mass %	44.10	36.67	37.19	37.87	31.80	30.22	29.82
4	Core mass %	55.90	63.33	62.81	62.13	68.20	69.78	70.18
5	Sheath Slip %	3.90	4.00	3.80	3.80	3.90	3.80	3.80
6	Elongation % at 150 kgf	3.80	4.00	4.00	4.00	4.00	3.90	4.00
7	Breaking Load in kN	23.08	24.79	30.73	31.71	32.64	33.41	44.29
8	Breaking Load with fig. 8 knot in kN	16.46	17.51	19.33	20.63	21.72	23.71	34.5
9	Sheath Strands	32	32	32	32	32	32	32
10	Standard & Type	<----- EN 1891 (Type A) ----->						
11	Material	<----- Polyamide ----->						

### Karnamental Static Rope (EN 1891 - Type B)

### Dynamic Rope (EN 892)

Sr.	Diameter (mm)	8.00	8.50	9.00	9.50	10.70	8.60
1	Item Code	BC-296	BC-341	BC-297	BC-342	Single (BC-344)	Twin(BC-345)
2	Mass / Meter	49.85	52.54	55.86	59.86	69.52	50.13
3	Sheath mass %	51.89	48.80	46.45	44.19	19.00	24.33
4	Core mass %	48.11	51.20	53.55	55.18	81.00	75.67
5	Sheath Slip %	4.00	4.00	4.00	3.90	3.30	3.50
6	Elongation % at 150 kgf	4.10	4.00	4.00	4.10	3.90	4.00
7	Breaking Load in kN	14.48	17.14	19.69	20.6	27.85	19.95
8	Breaking Load with fig. 8 knot in kN	12.34	13.15	14.42	16.02	20.97	15.75
9	Sheath Strands	32	32	32	32		
10	Standard & Type	<----- EN 1891 (Type B) ----->				<----- EN 892 ----->	
11	Material	<----- Polyamide ----->				<----- Polyamide ----->	

**NOTE:** Above ropes can also be manufactured in different shades and combinations as per customer need.





**VIRAJ** offers 3-strand Polyester or Polyamide rope, constructed by twisting three strands of a filament polyester or Polyamide filament yarn around cores. The inner core keeps the strands firm and round with adding marginal weight which improves abrasion resistance and handling. The filament yarn gives twisted rope its characteristic fuzzy feel and makes it easier to grip, even when wet. Twisted Rope provides the greatest durability, highest strength, lightest weight, and most consistent supple feel over time of any commercially available twisted rope. These twisted rope is easily identified by its familiar tracer shade lines.

**Features :**

- † Filament yarn improves grip and knot holding even when wet.
- † Cores of twisted rope keep strands firm and round, enhancing knot holding and hand.
- † Available in sizes 8mm - 6mm Dia.
- † Easy to splice .
- † Consistently supple feel over the service life of the rope.
- † Great for natural crotch rigging.

**Polyamide Twisted Static Rope**

Sr.	Diameter (mm)	8.00	10.00	12.00	14.00	16.00
1	Item Code	BC-196	BC-348	TR-103	TR-102	TR-101
2	Mass / Meter	45.00	90.00	108.00	126.00	145.00
3	Elongation % at 150 kgf	10.80	10.20	9.80	8.30	6.80
4	Breaking Load in kN	15.09	19.75	24.25	27.38	32.37
5	No of Strands	3	3	3	3	3
6	Material	<----- Polyamide ----->				

**Polyester Twisted Static Rope**

Sr.	Diameter (mm)	8.00	10.00	12.00	14.00	16.00
1	Item Code	BC-346	BC-347	TR-104	TR-105	TR-106
2	Mass / Meter	65.40	95.00	124.00	146.00	168.00
3	Elongation % at 150 kgf	10.70	10.10	9.60	8.20	6.50
4	Breaking Load in kN	14.69	18.18	19.99	22.96	27.97
5	No of Strands	3	3	3	3	3
6	Material	<----- Polyester ----->				

**Transit Rope Bag**

Large and strong VIRAJ Transit rope bags will take 30 and 45 litres each. The VIRAJ rope bags are the perfect companions for your ropes in the workplace. giving ease of strong and carrying ability while keeping ropes clean and safe on site.

Ref: SF-TRB-30L & SF-TRB-45L



Front View



Back View

**PACKAGING OPTIONS**

<b>Hank Packing</b> 20m, 40m & 60m	<b>Box Packing</b> 100m & 200m
<b>Coil Packing</b> 40m, 60m & 80m	<b>Bobbin Packing</b> 100m, 150m & 200m

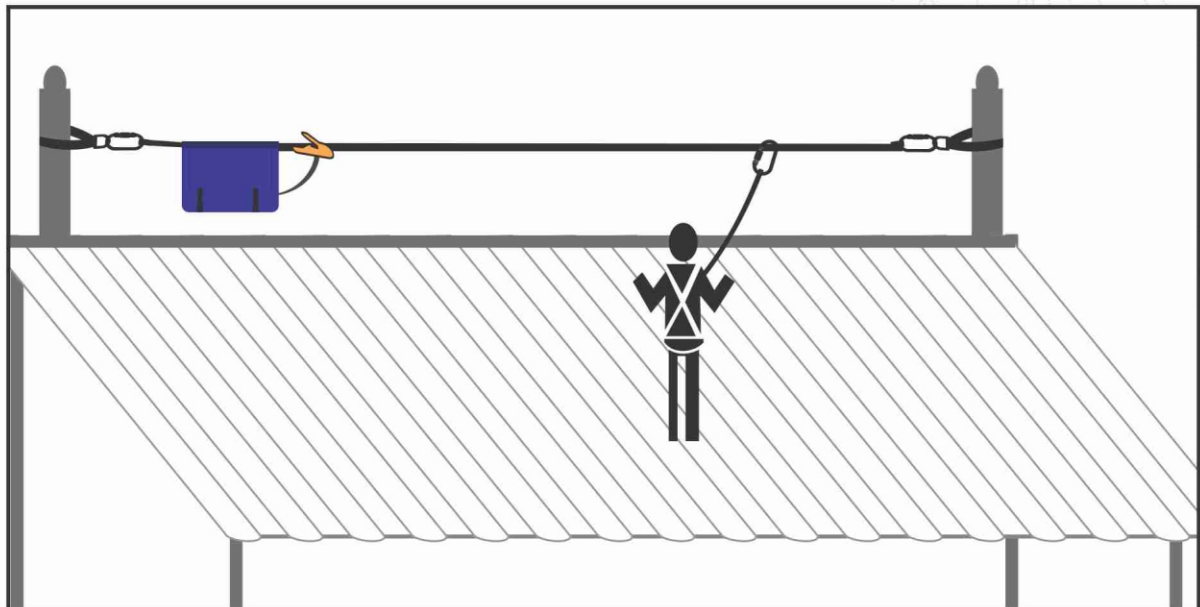
Ref: SF-HL-5001

SECURE FIRST introduces the Horizontal Anchorage Lifeline to provide a suitable and safe anchorage extending horizontally along a length.

- ▶ The SF-HL-5001 is a Horizontal Anchorage Life Line made up of 30 mm Polyester Webbing equipped with the Ratchet Tensioner that allows easy tensioning of the lifeline between two supports. Both the ends are provided with Auto Locking Steel Karabiners (Our Ref. SF-1102).
- ▶ The whole system is supplied in a bag, which is permanently attached to the assembly and also enables the user to easily carry the system with the help of the comfortable shoulder hanging straps provided in the bag.
- ▶ Once fitted, you can easily put back the extra webbing not deployed along the length, into the Bag.
- ▶ Available Length of total 20m, thus the user can use it for a length ranging from 5m to 20m.
- ▶ Tested & Certified for use by two users simultaneously.

**COMPLIES TO EN 795 CLASS B**

Once the Lifeline is fitted, the user can easily attach the Lanyard of his Harness to the Lifeline using a Karabiner. This allows movement along the length while keeping the user secured and safe at all times.



Horizontal lifelines, depending on their geometry (see diagram) and angle of sag, subjected to greater loads than the impact load imposed by an attached component. When the angle of horizontal lifeline sag is less than 30 degrees, the impact force imparted to the lifeline by an attached lanyard is greatly amplified. For example, with a sag angle of 15 degrees, the force amplification is about 2:1 and at 5 degrees sag, it is about 6:1. Depending on the angle of sag, and the line's elasticity, the strength of the horizontal lifeline and the anchorages to which it is attached should be increased a number of times over that of the lanyard. Horizontal lifelines shall have a tensile strength capable of supporting a fall impact load of at least 5,000 pounds (22.2 kN) per employee using the lifeline, applied anywhere along the lifeline.



# FALL ARRESTERS

SECURE FIRST brings advanced blend of Rope Grab Fall Arrester and Anchorage Line to provide maximum fall arrest. The user will not require any manual adjustment while ascending & descending.



Rope grab Fall Arrester  
Ref: SF-RG4

The Polyester Twisted Rope Anchorage Line of 14mm – 16mm is used in a Rope Grab to enable the user to work more smoothly while going up and down. The Purpose of the Rope Grab is to immediately Grab on the Anchorage Line in case of a Fall, hence arresting the fall.

**Features :**

- ✦ Simple and safe design to ensure correct usage.
- ✦ Arrest Fall with very short fall distance.
- ✦ Easily detectable from the Anchorage Line.
- ✦ Comes with a double security locking system.
- ✦ Confirm to EN 353-2 : 2002.

SF-RGFA-A20	SF-RGFA-B20	SF-RGFA-C20
<p>For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope. Connector: Steel Karabiner SF-1102 Gravity Locking System Double Security Locking System Conforms to EN 353-2-2002</p>	<p>For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope. Connector: Steel Karabiner SF-1102 Equipped with Energy Absorber SF-EA-4400 Gravity Locking System Double Security Locking System Conforms to EN 353-2-2002</p>	<p>For use on a 14mm or 16mm Anchorage Line of Polyester Twisted Rope. Connector: Snap Hook SF-1201 Equipped with Energy Absorber SF-EA-4400 Gravity Locking System Double Security Locking System Conforms to EN 353-2-2002</p>



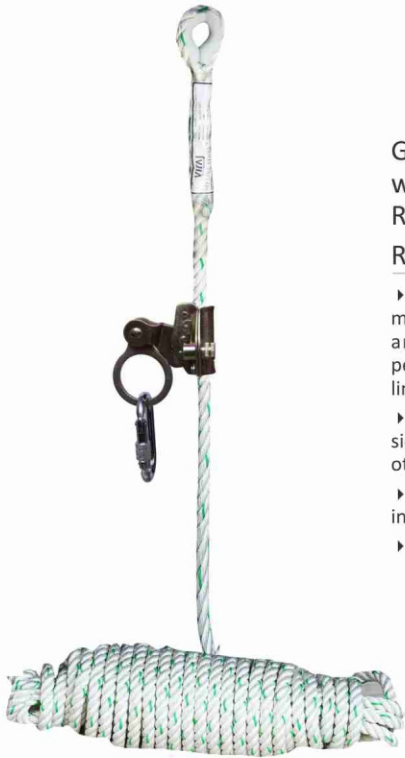
Locking Position  
Allow Manual  
Locking



Only SECURE FIRST Fall  
Arrester come with the  
unique Anti-Gravity  
Locking System

**SECURE FIRST ADVANTAGE**

SECURE FIRST Rope grab is provided with a unique Gravity Locking System that prevents incorrect usage. It is also equipped with a double security opening system, and hence will not open unless a deliberate action is done to do so.



**Guided Type Fall Arrester with Flexible Twisted Rope Anchorage Line**

Ref: SF-GFA-2004

- ▶ This Fall Arrester works on 14 mm dia Twisted polyester rope anchorage line incorporated permanently on the anchorage line.
- ▶ The Anchorage line has one side connector SF-1102 and the other side a stop knot
- ▶ The Anchorage line is available in lengths of 5m to 100m
- ▶ Conforms to EN 353-2:2002

**Guided Type Fall Arrester with Flexible Braided Rope Anchorage Line**

Ref: SF-GFA-2003

- ▶ This Fall Arrester works on 12 mm dia Kernmantle polyamide rope anchorage line incorporated permanently on the anchorage line.
- ▶ The Anchorage line has one side connector SF-1102 and the other side a stop knot
- ▶ The Anchorage line is available in lengths of 5m to 100m
- ▶ Conforms to EN 353-2:2002



**Twisted Rope Anchorage Line**

Ref: SF-TRK-14-(length in meters)

- ▶ 3-Strand-14mm dia Twisted Polyester Rope
- ▶ One side Karabiner SF-1102; other side stop knot
- ▶ Available lengths 10, 20, 30, 40, 50, 100, 150 & 180 mtr.
- ▶ Longer or odd lengths are also available on request



Ref: SF-TRS-14-(length in meters)

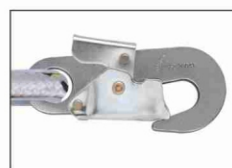


FALL ARRESTER

**Braided Rope Anchorage Line**

Ref: SF-BRK-10.5-(length in meters)

- ▶ 10.5mm dia Braided Polyamide Rope
- ▶ One side Karabiner SF-1102; other side stop knot
- ▶ Available lengths 10, 20, 30, 40, 50, 100, 150 & 200 mtr.
- ▶ Longer or odd lengths are also available on request



Ref: SF-BRS-10.5-(length in meters)





SECURE FIRST provides an exhaustive range of hooks and connectors made of ALLOY STEEL

## Steel Screw-locking Karabiner

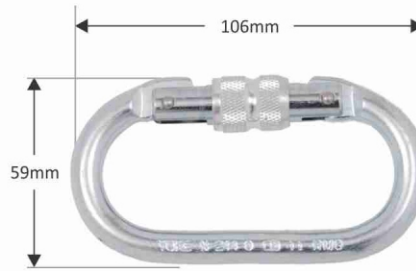
Ref: SF-1102

- ▶ Material: Alloy Steel
- ▶ Finish Available: Silver/ Golden Yellow Galvanized
- ▶ Conformity: EN 362:2004
- \* see the box below

 **17 mm**  
 Gate Opening

 **25 kN**  
 Breaking Strength

 **170 gms**  
 Weight



## Quarter Turn-locking Steel Karabiner

Ref: SF-1102 T

- ▶ Material: Alloy Steel
- ▶ Tested as per EN 362:2004
- ▶ Finish Available: Silver/ Golden Yellow Galvanized
- ▶ Conformity: EN 362:2004

 **15 mm**  
 Gate Opening

 **25 kN**  
 Breaking Strength

 **215 gms**  
 Weight



## Steel Snap Hook

Ref: SF-1201

- ▶ Material: Alloy Steel
- ▶ Finish Available: Silver/ Golden Yellow Galvanized. Shot blasted on request
- ▶ Conformity: EN 362:2004
- ▶ Process : Stamped

 **20 mm**  
 Gate Opening

 **25 kN**  
 Breaking Strength

 **225 gms**  
 Weight



## Steel Swivel Snap Hook

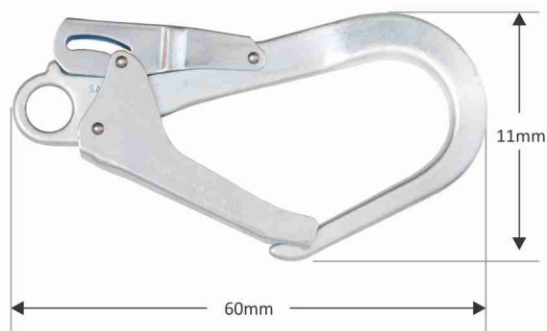
Ref: SF-B303

- ▶ Material/ Composition: Alloy Steel
- ▶ Finish Available: Silver/ Golden Yellow Galvanized. Shot blasted on request
- ▶ Conformity: EN 362: 2004
- ▶ Process : Forged

 **19mm**  
 Gate Opening

 **23 kN**  
 Breaking Strength

 **365 gms**  
 Weight



## Steel Scaffold Hook

Ref: SF-1301

- ▶ Material: Alloy Steel
- ▶ Finish Available: Nickel Plated/ Silver or Golden Yellow Galvanized. Shot blasted on request.
- ▶ Conformity: EN 362:2004
- ▶ Process : Forged

 **55 mm**  
 Gate Opening

 **23 kN**  
 Breaking Strength

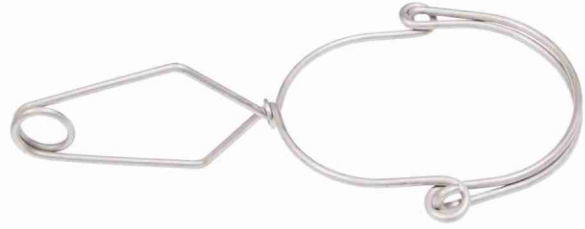
 **475 gms**  
 Weight

**ANCHORAGE HOOKS** SECURE FIRST has a range of Anchorage Hooks made from Stainless Steel that are designed to fit over or around large structural members, to provide secure Anchorage for Lanyards, Lifelines and other Connectors. They are fast and easy to install by slipping the large opening over the approved structure-like Railings, Small I-Beams, Angle Iron etc.

**Anchorage Hook**

- Material: Stainless Steel
- Conformity: EN 362:2004 Class A

Ø 140 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	365 gms Weight	Ref: SF-1401
Ø 110 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	325 gms Weight	Ref: SF-1402
Ø 75 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	310 gms Weight	Ref: SF-1403



SECURE FIRST provides an exhaustive range of Hooks and connectors made of **ALUMINIUM ALLOY**

Where it is important to carry light-weight connectors at heights to provide the maximum comfort as well safety to the user, this range of Aluminium Connectors by SECURE FIRST fulfills all the required needs, manufactured from high quality Aluminium Alloy, these Connectors come in highly engineered designs, conforming to all the clause laid down in the EN norms.

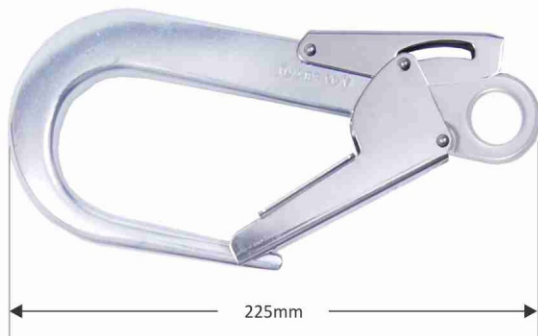


**Aluminium Quarter Turn-locking Karabiner**

Ref: SF-1106

- Material: Aluminium Alloy
- Finish Available: Natural Silver/ Coloured
- Conformity: EN 362:2004 Class B

Ø 22 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	80 gms Weight
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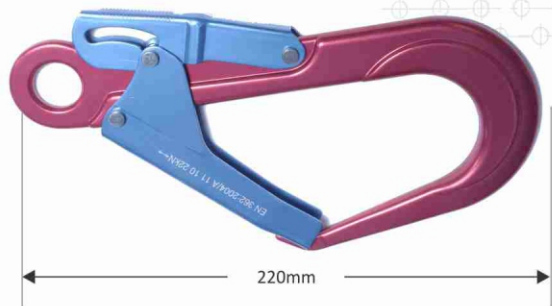


**Aluminium Triple Action-locking Karabiner**

Ref: SF-1107

- Material: Aluminium Alloy
- Finish Available: Natural Silver/ Coloured
- Conformity: EN 362:2004 Class B

Ø 22 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	85 gms Weight
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**Aluminium Rebar Hook**

Ref: SF-AL-052

- Material/ Composition: Aluminium Alloy
- Finish Available: Natural Silver / Coloured
- Conformity: EN 362:2004

Ø 60 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	170 gms Weight
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**Aluminium Rebar Hook**

Ref: SF-AL-053

- Material/ Composition: Aluminium Alloy
- Finish Available: Natural Silver / Coloured
- Conformity: EN 362:2004

Ø 59 mm Gate Opening	↔ 23 kN ↔ Breaking Strength	220 gms Weight
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## Twisted Rope Ref: SF-TR-BC 104

- ◆ Made up of Polyester.
- ◆ Available in various lengths on request.
- ◆ Maximum Roll Size : 300mts
- ◆ Available in Dia of : 12mm, 14mm & 16mm.
- ◆ Conforms to DIN EN 697 Form A

Rope Dia	Item Code
12.0 mm	SF-TR-BC 104-Length in mtr.
14.0 mm	SF-TR-BC 105-Length in mtr.
16.0 mm	SF-TR-BC 106-Length in mtr.



## Kernmantle Static Rope Ref: SF-BR-BC 304

- ◆ Made up of Polyamide.
- ◆ Available in various lengths on request.
- ◆ Maximum Roll Size : 200mts
- ◆ Available in Dia of : 9mm, 10.5mm & 11mm.
- ◆ Conforms to EN 1891 A

Rope Dia	Item Code
9.0 mm	SF-BR-BC 297-Length in mtr.
10.5 mm	SF-BR-BC 304-Length in mtr.
11.0 mm	SF-BR-BC 299-Length in mtr.



## Grip Descender Ref: SF-DC-4001

- ◆ Ideal for descent on a single rope.
- ◆ It is equipped with a unique Self Braking System which initiates the brake as soon as the handle is released, or clasped too tightly.
- ◆ Works on 10-11 mm diameter Kernmantle rope.
- ◆ Conforms to EN 341-Class A
- ◆ Weight - 340 gms

1. Automatic stop function upon release
2. Controlled descent speed in neutral position
3. Stop position when pressed



## Grip Descender with Karabiner Ref: SF-DC-4000

- ◆ Controlled descent device with safety descent lever containing dual brake mechanism for accidental release or panic grab.
- ◆ It is equipped with two friction pulleys and a descending control handle & its hinged flange, equipped with a safety blocking release lever, enables the positioning of the cord.
- ◆ Standard: EN341, Class A (exceeds CSA Z259.2.3-99 and ANSI Z359.3-06)
- ◆ Rope diameter: 9 to 11 mm
- ◆ Aluminum alloy sheaves
- ◆ Stainless steel side plate
- ◆ Provided with Karabiner SF-1102

## Figure of 8 Ref: SF-FO8-4031

- ◆ Made up of Aluminium Alloy
- ◆ for rope 10mm to 16mm
- ◆ Inner dia Big - 50 mm, Small - 25 mm
- ◆ Height - 144 mm
- ◆ Minimum Breaking Load - 35 kN
- ◆ Anodized finish
- ◆ Weight - 116 gms
- ◆ Meets the requirement of NFPA 1983 (G).



## Ascender Handle (Right) Ref: SF-AC-4002(R)

## Ascender Handle (Left) Ref: SF-AC-4002(L)

- ◆ Made up of Aluminium Alloy
- ◆ Height - 202 mm
- ◆ For use on single rope 9 to 11 mm
- ◆ Anodized finish.
- ◆ Weight - 196 gms
- ◆ Conformity : EN 567:2013





**Mobile Aluminium Pulley**  
Ref: SF-MAP-1022

- ✦ Made up of Aluminium Alloy
- ✦ For use on maximum 12 mm rope.
- ✦ Anodized finish
- ✦ Net Weight- 117.0 gm
- ✦ Breaking Strength- 20 KN

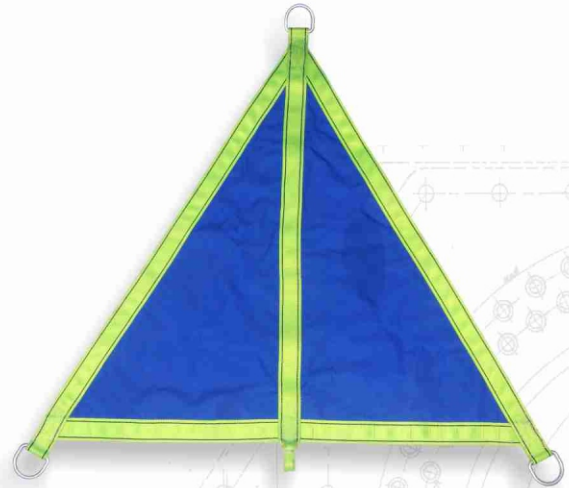
**Fixed Aluminium Pulley**  
Ref: SF-FAP-1011

- ✦ Made up of Aluminium Alloy
- ✦ For use on maximum 12 mm rope.
- ✦ Anodized finish
- ✦ Net Weight- 88.0 gm
- ✦ Breaking load - 20 kN



**Pilot Chair**  
Ref: SF-PC-1005

- ✦ Ergonomic and comfortable working chair
- ✦ For vertical ascent and descent
- ✦ Tested as per EN 1498 : 2006
- ✦ Spreader Bar available as optional accessory



**Evacuation Triangle**  
Ref: SF-ET-8052

- ✦ To be used for rescue of injured personnel
- ✦ Contains 3 metallic D-Rings at attachment elements



**Cows Tail**  
Ref: SF-CT-4000(J)

This device is used to anchor a victim of fall to the Rescuer during rescue. It is made of Polyamide Twisted rope of length 0.5m having loops for attachment with screw locking karabiners at both end.



**Spreader Bar**  
Ref: SF-PC-H-1005(01)

Is available as an optional Accessory to the Pilot Chair, provided on request

**Adjustable Foot Loop**  
Ref: SF-FL-0402

- ✦ Material : 44 mm Polyester Webbing
- ✦ Attached to the Ascending rope clamp for rope ascents
- ✦ Underfoot strap is abrasion -resistant and is slightly rigid to make it easier to step into
- ✦ Length easily adjusted with the Combination Buckles





## Tripod

Ref: SF-TP-800 (7 ft. & 10 ft.)

- For access in Confined Spaces
- With two mounted pulleys at the head of the Tripod in the prolongation of the main leg for passing a cable
- Having two auxiliary eye bolts as anchorage points.
- Aluminum Alloy cast head, fully adjustable Aluminum telescopic legs
- Steel support-shoes provided with rubber sole to increase friction and impart more stability.
- Lifting Load Capacity : 135 Kgs (330 lbs).
- Wire Length: available in 20 m and 25m.
- Strength of anchorage point greater than 12 kN
- Every Tripod is provided with inbuilt fixture for attaching our winch SF-WN-801 (can be supplied without this fixture on special request).
- Every Tripod is provided with Tripod Kit Bag Ref. No. SF-KB-904



LENGTH	SPECIFICATION	COMPLIANCE
7 ft.	<ul style="list-style-type: none"> <li>Fully adjustable telescopic legs, adjustable height from 1.15m to 2.15m</li> <li>Wheelbase (Footprint) : 1.5m Diameter</li> <li>Weight : 13 kg appx.</li> <li>Maximum load capacity : 500 kgf</li> </ul>	EN 795 CLASS B
10 ft.	<ul style="list-style-type: none"> <li>Fully adjustable telescopic legs, adjustable height from 1.9m to 2.9m</li> <li>Wheelbase (Footprint) : 1.8m Diameter</li> <li>Weight : 15 kg appx.</li> <li>Maximum load capacity : 500 kgf</li> </ul>	

### OPTIONAL ACCESSORIES WITH TRIPOD SF-TP-800A



Aluminum Single Pulley  
With single side attachment  
Ref: SF-5330

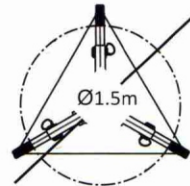


Steel Alloy Pulley  
With single side attachment  
Ref: SF-5331

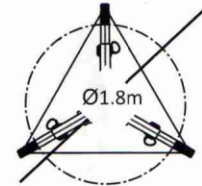


Steel Screw  
Locking Karabiner  
Ref: SF-1102

### TRIPOD WHEELBASE (FOOTPRINT)



SF-TP-800/800A  
(7ft.)



SF-TP-800/800A  
(10ft.)

## Winch

Ref: SF-WN-801

- To be used for raising or lowering of personnel or material into confined spaces.
- Equipped with bolting fixture for robust fitting on to the tripod SF-TP-800.
- Lifting Load Capacity : 135 Kgs (330 lbs).
- Wire Length: 20 m, 25m.
- Conforms to EN 1496:2006 Class A.
- To be used with a Retractable Fall Arrester when deployed for raising or lowering a person.
- Also Available with the SS wire rope instead of galvanized rope. Respective references with SS wire rope shall be SF-WN-801(20SS) and SF-WN-801(25SS).



Tripod Kit Bag  
Ref: SF-KB-904

Ref. No.	Lenght
SF-WN-801(20)	20 Mtr.
SF-WN-801(25)	25 Mtr.

VIRAJ offers an exhaustive range of Retractable Fall Arrest Blocks Made of different casings, webbing & GI/SS wire ropes of varying lengths.



**Ref: SF-RFA-02W**

- † Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line.
- † 1”(25mm) Polyester webbing has a Tensile strength in excess of 3960lbs(18kN), Webbing Length : 2.0M with energy absorber & snap hook SF-7102
- † P.P Housing and Drum are Durable and lightweight and Resistant to Corrosion.
- † Weight less than : 1.7lbs(760g)-including snap hook SF-7102
- † Meets the Requirements EN 360 & CE

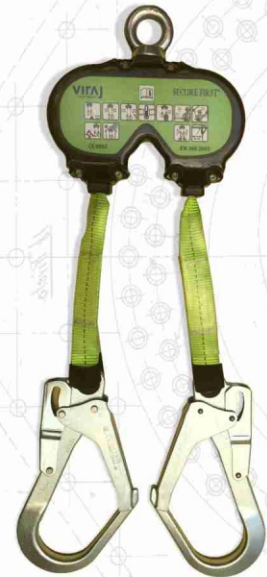
Model	Length	Weight(Kg)
SF-RFA-02W	2.0m	0.750

**Twin Retractable Fall Arrester Block**

**Ref: SF-RFA-2BY2(W)**

- † Casting Made up of high strength and sturdy Aluminum Alloy.
- † Comes with a 25 mm Wide Webbing.
- † Includes two Scaffold Hooks SF-1301 at anchorage ends.\*
- † Anchorage Eye with swivel action. Prevents undue twist of webbing while working or in the event of a Fall.
- † **USE:** To be used wherever the user needs a greater freedom of movement and needs to pass obstacles while remaining anchored at all times.
- † Minimum Breaking Strength > 12KN.
- † Working Length 2.0 mtr.
- † Conforms to EN 360:2002.

Model	Length	Weight(Kg)
SF-RFA-2BY2(W)	2.0m	1.700
* SF-RFA-2BY2(W)(A)	2.0m	1.725



RETRACTABLE BLOCK



**Retractable Block Polymer Casing With Webbing**

**Ref: SF-RFA-06W, SF-RFA-10W**

- † Casting Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
- † Comes in 25mm width webbing.
- † Is provided with SF-1203 connector with load indicator at attachment end.
- † Anchorage Eye with swivel action. Prevents undue twist of webbing while working or in the event of a Fall.
- † Minimum Breaking Strength > 15KN.
- † Working Length 6.0 & 10.0 mtr.
- † Conforms to EN 360:2002.

Model	Length	Weight(Kg)
SF-RFA-06W	6.0m	3.250
SF-RFA-10W	10.0m	5.700





**Retractable Block Polymer Casing With G.I. Wire Rope**

Ref: SF-RFA-6.0, SF-RFA-7.5, SF-RFA-10.0

- ✦ Casting Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
- ✦ Comes with Galvanized Steel Wire Rope of Dia 4.5mm & provided with swivel snap hook SF-3035.
- ✦ Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.
- ✦ Minimum Breaking Strength > 12KN.
- ✦ Working Length 6.0, 7.5 & 10.0 mtr.
- ✦ Conforms to EN 360:2002.

Model	Length	Weight(Kg)
SF-RFA-6.0	6.0m	3.600
SF-RFA-7.5	7.5m	3.750
SF-RFA-10.0	10.0m	4.000

**Retractable Block Polymer Casing With G.I. Wire Rope**

Ref: SF-RFA-12, SF-RFA-15, SF-RFA-20

- ✦ Casting Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
- ✦ Comes with Galvanized Steel Wire Rope of Dia 4.5mm & provided with swivel snap hook SF-3035.
- ✦ Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.
- ✦ Minimum Breaking Strength > 12KN.
- ✦ Working Length 12, 15 & 20 mtr.
- ✦ Conforms to EN 360:2002.

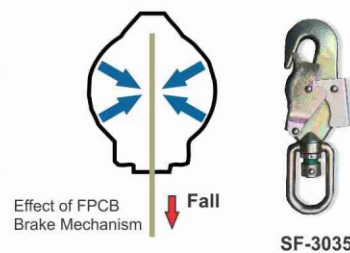
Model	Length	Weight(Kg)
SF-RFA-12	12m	5.750
SF-RFA-15	15m	6.500
SF-RFA-20	20m	6.900



RETRACTABLE BLOCK

**FEATURES OF VIRAJ RETRACTABLE FALL ARRESTER BLOCKS**

- |                               |  |
|-------------------------------|--|
| <b>Mechanism Applications</b> | Unique Centrifugal Braking Mechanism.<br>Ideal for Vertical use in various hazardous conditions for personnel weighing upto 136 kgs. |
| <b>Impact Force</b>           | Reduces Fall Arrest Force to less than 6KN.  |
| <b>Harness-end Connector</b>  | Swivel Snap Hook with Load indicator SF 3035 which indicates a warning line when a Fall has occurred.                                |
| <b>Conformity</b>             | Tested and Certified. Conforms to EN 360:2002  |



**MAINTENANCE & WINDOW CLEANING KIT**

Ref: SF-MWCK-6051



SAFETY KIT

This Kit is meant to fulfill all the purposes and requirements of personnel engaged in maintenance jobs at height.

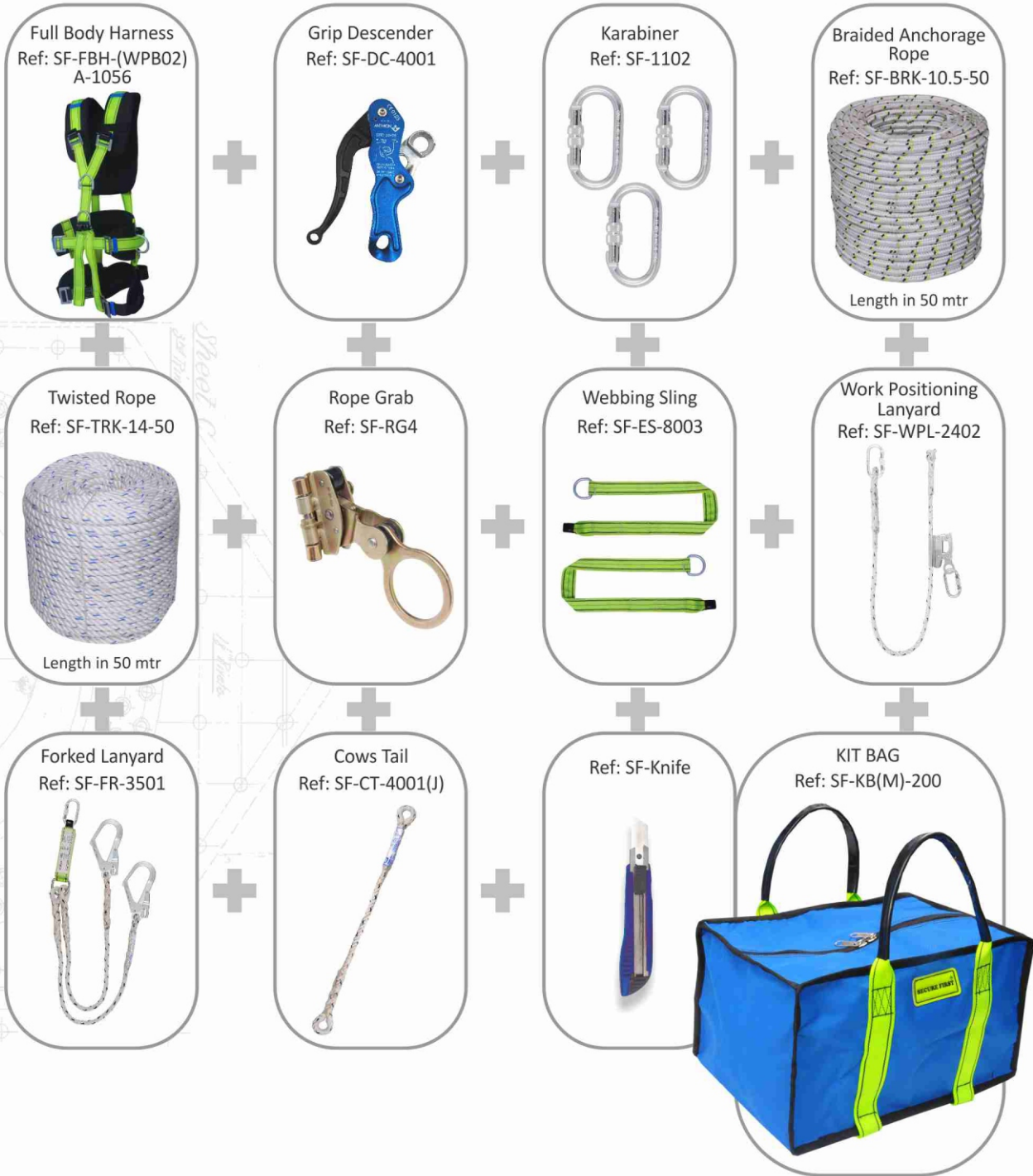
Provides ultimate comfort level to a personnel working at height thereby fulfilling all his needs.

The specialized rescue equipment used in this Kit enables immediate rescue of a personnel when suspended at height after suffering a fall.



Ref: SF-RK-6052

RESCUE KIT



This Kit contains equipment as per the requirement of the personnel engaged in working on height.

Equipped with all the products that are required by the personnel for rescue as well as maintenance jobs.

**TOWER KIT**

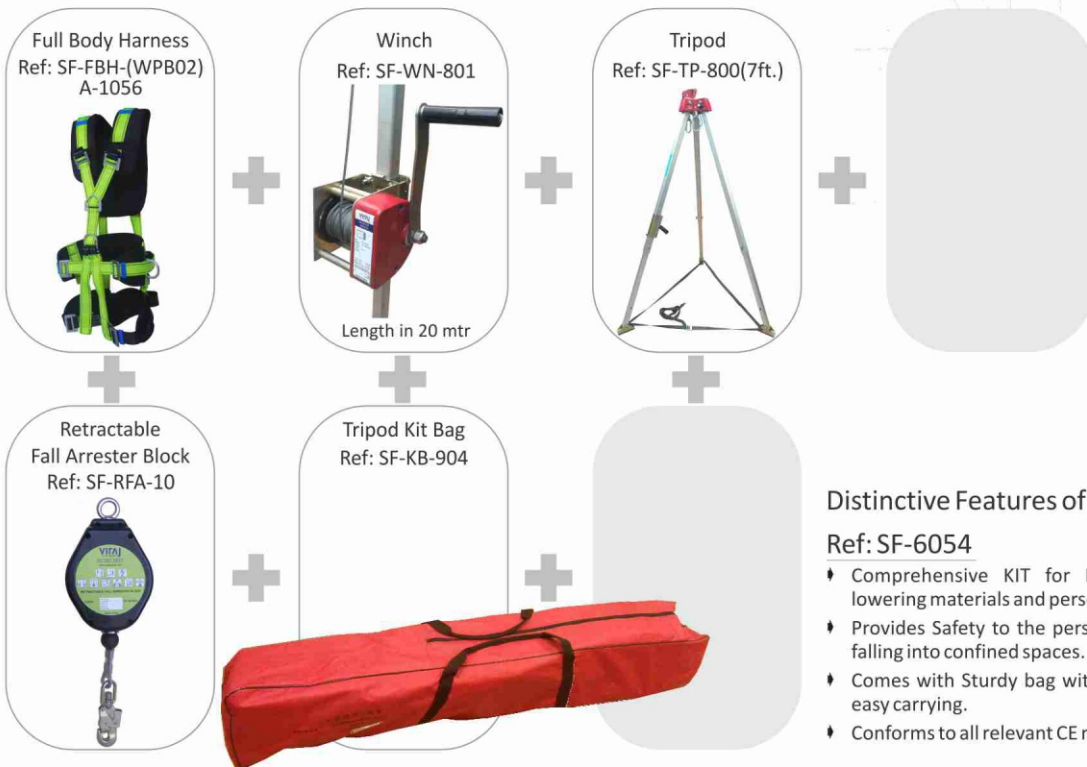
Ref: SF-TK-6053



This Kit is designed for the personnel engaged in working on high rise tower with an extra facility of bigger Hooks & easily adjustable Lanyards to suit the requirement of the working individuals.

**Confined Space Entry Kit With Tripod**

Ref: SF-6054



**Distinctive Features of Kit**

Ref: SF-6054

- ◆ Comprehensive KIT for Lifting and lowering materials and personnel.
- ◆ Provides Safety to the personnel from falling into confined spaces.
- ◆ Comes with Sturdy bag with Slings for easy carrying.
- ◆ Conforms to all relevant CE norms



The Fall arrest Safety Net Solutions at SECURE FIRST is provided in the construction industry, to enable the worker to work safely and confidently at height. A Collective level of protection is provided to prevent any fatal or serious accident.

These safety nets are made from high strength Polypropylene Ropes which can withstand the required load. To minimize any impact related injury, the knotting of the Meshes is done in a special way to make it work as a shock absorber.

SECURE FIRST Fall Arrest Safety Nets are available in various sizes, as required. Some of the standard sizes are available as below-

Safety Net Size	Mesh Size	Mesh rope	Additional
10 m x 5 m	32 mm	2 mm Double Cord	With Overlay Net*
10 m x 5 m	100 mm	4 mm Single Cord	With Overlay Net*
10 m x 3 m	100 mm	4 mm Single Cord	With Overlay Net*
6 m x 4 m	32 mm	2 mm Double Cord	With Overlay Net*
6 m x 4 m	100 mm	4 mm Single Cord	With Overlay Net*
8 m x 4 m	100 mm	4 mm Single Cord	With Overlay Net*

Border Rope dia 12 mm (as per IS 5175) and Tie rope dia 12 mm - length 1.5 mtr.

\* Overlay fishnet - mesh size 20~22 mm; mesh rope dia 1mm (single twine)





# TRAINING CELL

To avoid any fatal injuries at a Construction Site, Proper implementation of Safety measures is becoming increasingly important. This can be easily overcome if proper training is imparted to the workers in respect to the correct method of the usage of Fall Protective Equipment.

It is very important to understand that if these products are used in the proper manner, it boost the confidence as well as increase the productivity of the individual working at a height.



The above is being successfully done at Viraj Syntex (P) Ltd., the main objective being to impart complete knowledge to the user of F.P.E., so that he can ensure his complete safety while working under any hazardous situation.

Our specified team of trained personals give personal visit at the construction sites and give live demonstration to the workers and ensure that any query is solved to their complete satisfaction.



## PPE INSPECTION

PPE are increasingly being used at the construction sites as they play an important part in the safety of the person working at a height.

It therefore becomes of utmost importance to inspect the PPE before use. The storage as well as proper usage of these products largely contribute to their performance.

The responsibility for the inspection should be levied only on a trained personnel, to ensure that the right equipment is put to use each time.

At Viraj Syntex (P) Ltd., PPE inspection steps are taken to timely detect any kind of compromise in the performance of the equipment, to which could lead to a fatal or serious accident if unattended.

### **INSPECTION PROCEDURES :**

#### Trained inspection Team

A well Trained and competent team of personal is given the responsibility to perform inspections on regular basis. Even there personal are trained regularly in a scheduled manner to increase their competency.

#### Inspection Procedures

Proper documentation is maintained for visual inspection accepted and rejected material are clearly marked.

All accepted products are tagged accordingly.

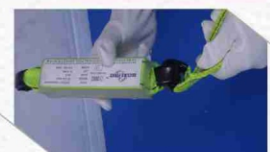
#### Test Reports & Certification

Every product is accompanied with its Test Report and PPE inspection certificate.

#### Laboratory Testing

All products are tested batch wise in our inhouse testing Laboratory (in process for accreditation by Apave, France.)

Detailed Test Reports with findings are provided on request.





# OUR OTHER BRANDS OF SAFETY

## SECURE LIFT®

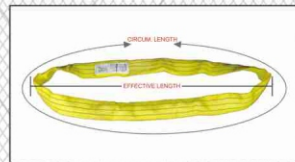
Material handling & Load Restraint Systems

[www.securelift.net](http://www.securelift.net)

Material handling & Load Restraint Systems are being marketed under the name "SECURE LIFT". We are manufacturing these products as per EN 12195-2 standards for lashings and EN 1492-1, IS 15041:2001 and ASME B 30.9 for lifting slings.



Polyester Sling



Round Endless Sling



Cargo / Ratchet Lashing



Anti Abrasives

## SECURE LASH™

Load Restraint Equipments

[www.securelash.com](http://www.securelash.com)

Polyester strapping and One-Way Lashing systems are being marketed under the name "SECURE LASH". Quality of Secure Lash is ensured by the ISO 9001:2008 certification. It is safe, easy to use and offers a cost effective alternative to steel banding and wire ropes.



Polyester Web Strapping



Polyester Web Lashing



Tensioners



Dispensers & Accessories



Your Valuable Life in  
Secure Hands

**VIRAJ**  
**=VSPL GROUP=**

A BRAND OWNED BY

**VIRAJ SYNTEX PVT. LTD.**

[www.vsplgroup.com](http://www.vsplgroup.com)

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