

# VIRAJ SYNTEX (P) LTD.

An ISO 9001 : 2015 Certified Company

FALL PROTECTION EQUIPMENTS

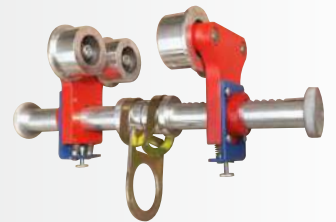
ANSI CATALOGUE  
2023 - 2024



CELEBRATING  
1994 **29** 2023  
YEARS  
QUALITY | SERVICE | PROFESSIONALISM



A Government Recognized  
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**INNOVATING SAFETY !!!**

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



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 9001:2015. ISI, CE, ANSI and OSHA 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, USA, Australia and Middle East.

## VIRAJ SYNTEX PVT. LTD

A name trusted for more than 25Years

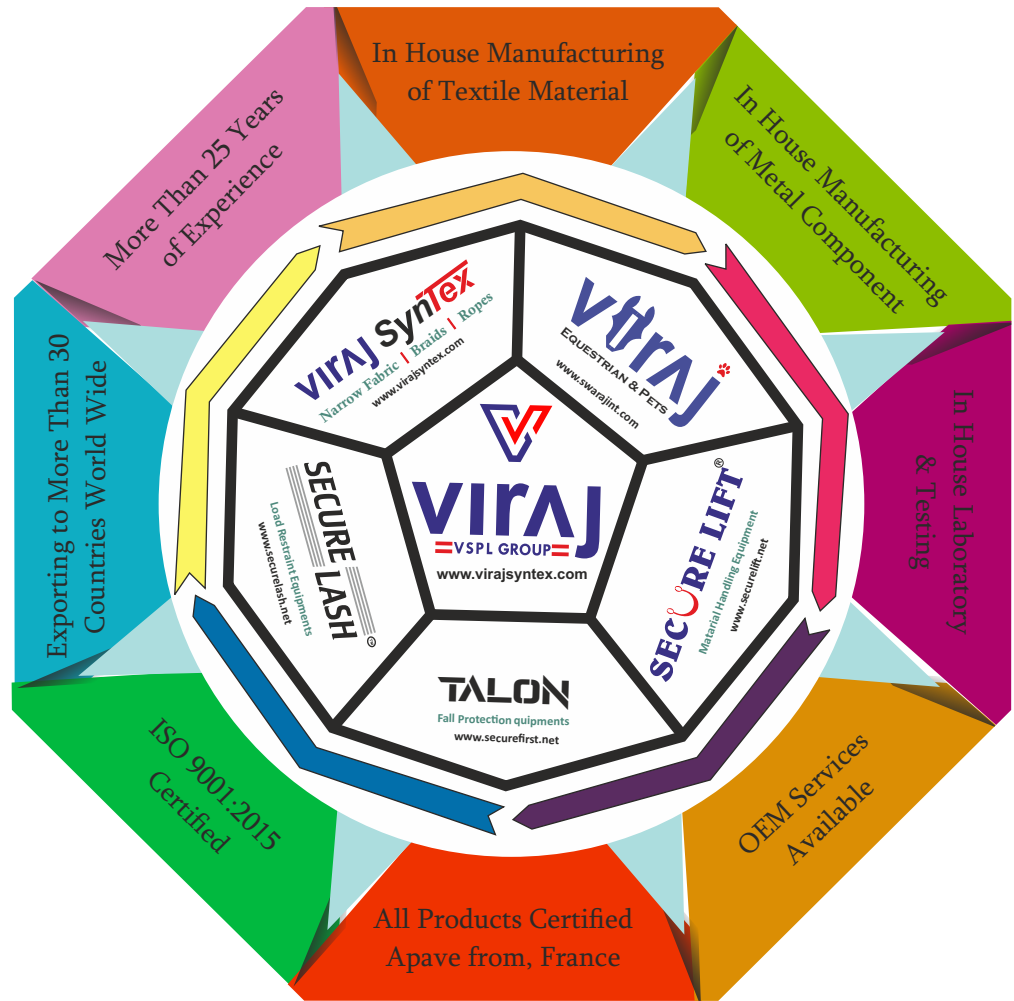
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# KNOW US



## OUR BRANDS

Fall Protection Equipment's are being marketed under the name "VIRAJ TALON SERIES" We have been designing, developing & manufacturing these protective equipment's (An absolute solution in Height Safety & confined space) as per ANSI Z359.11-2021 standards for body harness/sit harness, ANSI Z359.13-2013 standards for Lanyards and for Energy absorbers. .

"VIRAJ SYNTEX" Viraj, is a brand par apart, excels in making every kind of Webbing, Braids, Ropes, Elastic etc, which can be used in various fields. Viraj caters these to industries like Military, Fall Protection, Lifting, Saddlery, Footwear etc.

"VIRAJ EQUESTRIAN" A brand to trust in equestrian industry, Viraj provides all types of Saddlery items like Rugs, Halters, Leads, Breaches etc, providing a complete range to the Equestrian Market.



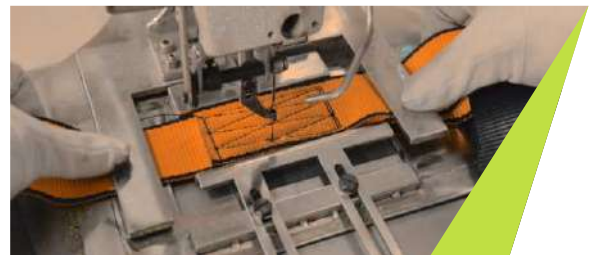
Webbing Dyeing



Weaving Section



Label Stitching



Automatic Stitching



Harness Stitching



Automatic Web Cutting



Kernmantle Rope Making



Braiding Section



Kernmantle Rope Braiding



Twisted Rope Section

# OUR OPERATIONS



Pad Stitching



Harness Marking



Webbing Finishing



Metal Fitting Inspection



Turning & Drilling



Pneumatic Riveting Machine



Ferrule Crimping Machine



Retractable Block Assembly



Tripod Assembly



Winch Assembly



Wire Measuring & Cutting Machine



CNC - Turning Machine



Hydraulic Crimping Machine



Power Press Machine - 10, 20, 30, 40, 50,75 & 100 Ton



Yarn Twisting Machine



Rope Twisting Machine



Injection Moulding Machine



Bandsaw Machine



Drill Machine - 01



Pedestal Grinder 01



Riveting Machine



Machining Section



Surface Grinder Machine



Lathe Machine



Shot Blasting Machine



Vibro Machine



Plastic Grinder (Granulator) Machine



Drill Machine - 02



# TESTING PROCEDURES

## at VIRAJ

Each and every step of manufacturing at VIRAJ 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 also pass through stringent quality norms as laid down in the Quality Manual of the Company.

The final product, at VIRAJ is then tested to fulfill the requirements which are set much above the ANSI standards.



Dynamic Load Testing



Hardness Testing



Hot Conditioning



Rain Shower Testing



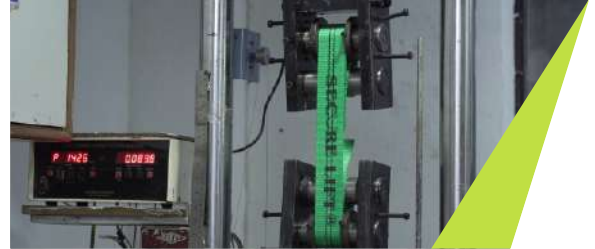
Cold Conditioning



Salt Spray Testing



Rope Testing



Webbing Testing



Static Load Testing of Karabiner



D-ring Testing



Static Load Testing of Rebar Hook



Chemical Zone



Flammability Testing



Block Static Testing



Lab



Static Harness Load Testing



Alidra Twisting Machine



Sample Warming Machine



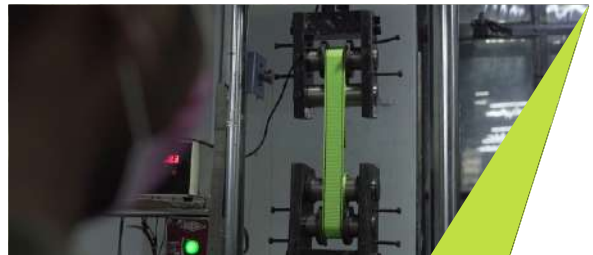
Warping Machine



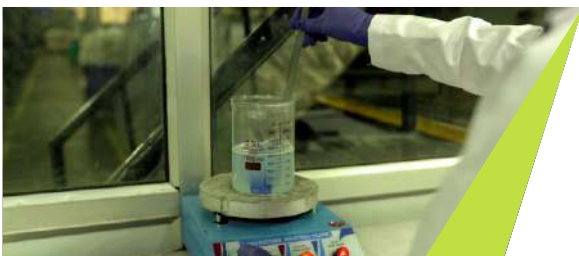
Tape Separator Machine



Dynamic Testing Machine



Tensile Testing Machine



Heating Plate



Yarn Melting Point Testing Machine



Vernier Caliper Testing



Webbing Printing Machine



Roland Sticker Printing Machine



Webbing Sling Testing Machine



Training Tower



Rope Twisting Machine



Washing Machine



Material Inward



The Fall Protection Standards System is a series of existing and planned fall protection-related standards. These standards are designed to educate workers concerning proper use of equipment and overall safe work strategies and systems to minimize the distances and consequences of falls from heights should they occur.

The current Z359 Fall Protection Standards System includes:

**1 - Z359.0-2012 – Definitions and Nomenclature Used for Fall Protection and Fall Arrest**

Provides terminology and definitions used in the code

**2 - Z359.1-2016 – The Fall Protection Code**

A set of standards that covers program management; system design; training; qualification and testing; equipment, component and system specifications for the processes used to protect workers at height in a managed fall protection program

**3 - Z359.3-2017 – Safety Requirements for Lanyards and Positioning Lanyards**

Establishes requirements for the performance, design, marking, qualification and verification testing and instructions for lanyards and positioning lanyards for users within the capacity range of 130 to 310 pounds

**4 - Z359.4-2013 – Safety Requirements for Assisted-Rescue and Self-Rescue Systems, Subsystems and Components**

Establishes requirements for performance, design, marking, qualification, instruction, training, use, maintenance and removal from service of equipment used in preplanned assisted-rescue and self-rescue for one or two workers

**5 - Z359.6-2016 – Specifications and Design Requirements for Active Fall Protection Systems**

Specifies requirements for the design and performance of complete active fall protection systems, including travel-restraint and vertical and horizontal fall-arrest systems and is intended for engineers with expertise in designing fall-protection systems

**6 - Z359.7-2011 – Qualification and Verification Testing of Fall Protection Products**

Sets requirements for certification of ANSI Z359 Code products and components as well as requirements for third-party testing, witness testing and manufacturer self certification of fall protection products and components

**8 - Z359.11-2021 – Safety Requirements for Full Body Harnesses**

Establishes requirements for the performance, design, marking, qualification, instruction, training, test methods, inspection, use, maintenance and removal from service of full body harnesses used for fall arrest, positioning, restraint, suspension and/or rescue applications

**9 - Z359.12-2009 – Connecting Components for Personal Fall Arrest Systems**

Sets requirements for the performance, design, marking, qualification, test methods and removal from service of connectors

**10 - Z359.13-2013 – Personal Energy Absorbers and Energy Absorbing Lanyards**

Establishes requirements for the performance, design, marking, qualification, instructions, inspection, maintenance and removal from service of energy absorbing lanyards and personal energy absorbers

**11 - Z359.14-2021 – Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and Rescue Systems**

Sets requirements for performance, design, qualification testing, marking and instructions, inspection, maintenance and storage, and removal from service of self retracting devices including self-retracting lanyards (SRL's), self-retracting lanyards with integral rescue capability (SRL-R's), and self-retracting lanyards with leading edge capability (SRL-LE's), comprising personal fall arrest or rescue systems

**12 - Z359.15-2014 – Safety Requirements for Single Anchor Lifelines and Fall Arresters for Personal Fall Arrest and Rescue Systems**

Sets requirements for the design criteria, qualification testing (performance requirements), marking and instructions, user inspections, maintenance and storage and removal from service of single anchor lifelines and fall arresters for users within the capacity range of 130 to 310 pounds

**13 - Z359.16-2016 - Safety Requirements for Climbing Ladder Fall Arrest Systems**

Sets requirements for the performance; design; marking; qualification testing; instructions for use; inspection; maintenance and storage; and removal from service of vertically oriented climbing ladder fall arrest systems lifelines

**14 - Z359.18-2017 - Safety Requirements for Anchorage Connectors for Active Fall Protection Systems**

Establishes requirements for the performance, design, testing, marking and instructions for the use of anchorage connectors in travel restraint, fall arrest, rescue, work position, rope access and suspended component/tie-back line systems

# CONTENTS

14	FULL BODY HARNESS
22	ENERGY ABSORBER
24	TOOL LANYARDS
28	LANYARDS
30	FALL ARRESTER
34	HORIZONTAL LIFE LINE
40	SELF RETRACTABLE LIFE LINE
50	LEADING EDGE SERIES
56	CONFINED SPACE ENTRY
61	ROOF - TOP SAFETY BUCKET
62	ANCHORS
66	SAFETY ROPES
71	CARGO NET/RESTRAINT SYSTEM
OTHER	
73	TRAINING CELL & PPE INSPECTION



## FULL BODY HARNESS

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VIRAJ offers Harnesses are made of In-house dyed High Tenacity Polyester Webbing, imparting high resistance to UV, colour stability to wash & rubbing fastness. Meets applicable ANSI, OSHA and CSA Standard ANSI Z359.11-2021 and CSA 259.10-12

## PRIME LINE HARNESS

SF-FBH-155-1D  
SF-FBH-155-1G  
SF-FBH-155-2D  
SF-FBH-155-2G  
SF-FBH-155-3D  
SF-FBH-155-3G  
SF-FBH-155-4D  
SF-FBH-155-4G

## HIGH LINE HARNESS

SF-PNT-1511  
SF-PNT-1512  
SF-PNT-1514  
SF-PNT-15-11G  
SF-PNT-15-12G

## JACKET HARNESS

SF-FBJH-155-1D (OR)

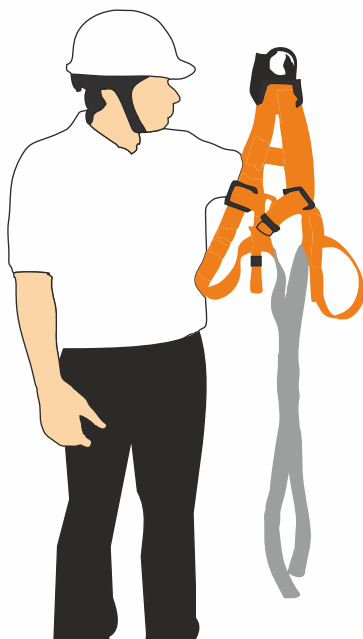
All SECURE FIRST Harnesses are made of In-house dyed High Tenacity Polyester Yarn, imparting high resistance to UV, colour stability to wash & rubbing fastness.

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

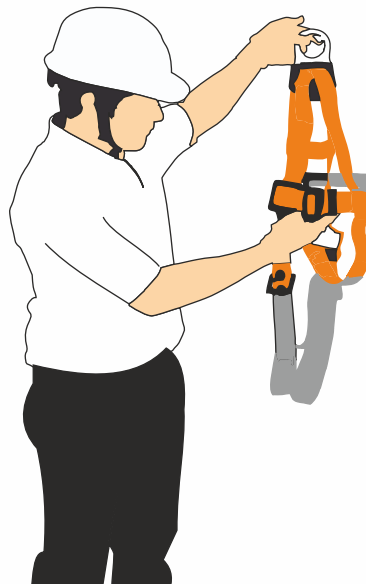
- a. Hold the Harness by the back D-ring, and allow the straps to fall in its place. The Harness has clear and separate colours for the shoulder and thigh straps, for them to be easily distinguished.
- b. Inspect the Harness webbing for any cuts, burns or damages.
- c. Check the stitches for their continuity.
- d. Carefully look for any evidence of corrosion on the metal parts.
- e. 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.

## WEARING HARNESS

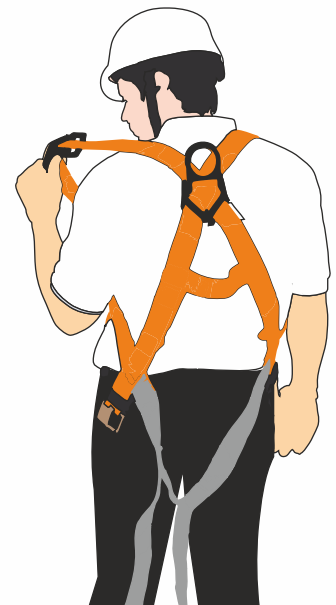
The Harness can be worn by following these simple **steps**



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



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



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





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.



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.



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.



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.

### 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.



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



# PRIME LINE

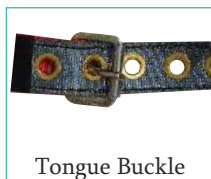
Meets applicable ANSI, OSHA and CSA Standard  
ANSI Z359.11-2021 and CSA 259.10-12



Lanyard Keeper



ID Plate



Tongue Buckle



Fall Indicator



Elastic Loops



Ref: SF-FBH-155-1D

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 3 Point adjustability  
Chest Strap and leg straps are provided with pass thru buckles for easy adjustment.  
Additional back support strap provided for a comfortable fit.  
Ideally positioned Butt-strap for extended comfort.  
Breaking strength-greater than 5000 lbs  
Meets or Exceeds ANSI Z359.11-2021  
Equipped with fall Indicator on shoulder strap  
Weight : 2.43 lbs.



Ref: SF-FBH-155-1G

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 3 Point adjustability  
Chest Strap with pass thru buckles for easy adjustment.  
Additional back support strap provided for a comfortable fit.  
Grommetted Leg straps with tongue Buckle adjustment.  
Elastic Loops on all the straps for better adjustment.  
Ideally positioned Butt-strap for extended comfort.  
Breaking strength-greater than 5000 lbs  
Meets or Exceeds ANSI Z359.11-2021  
Equipped with fall Indicator on shoulder strap  
Weight : 2.54 lbs.





Eye Let (Grommet)



Back Strap



Metal Components Part



Lateral D-Rings



PVC Lable



Stitching

**PRIME  
LINE**



> **Ref: SF-FBH-155-2D** <

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 5 Point adjustability

Chest Strap an leg straps are provided with pass thru buckles for easy adjustment.

Lanyard keepers on the shoulder for placement of free Lanyard.

Additional back support strap provided for a comfortable fit.

Ideally positioned Butt-strap for extended comfort.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap

Weight : 2.87 lbs.



> **Ref: SF-FBH-155-2G** <

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 5 Point adjustability

Chest Strap an leg straps are provided with pass thru buckles for easy adjustment.

Lanyard keepers on the shoulder for placement of free Lanyard.

Grommetted Leg straps with tongue Buckle adjustment.

Additional back support strap provided for a comfortable fit.

Elastic Loops on all the straps for better adjustment.

Ideally positioned Butt-strap for extended comfort.

Comes with Dual color scheme for easy differentiation of the shoulder and leg straps.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap

Weight : 2.98 lbs.



> **Ref: SF-FBH-155-3D** <

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 2 D-ring at waist level for positioning. 5 Point adjustability

Chest Strap an leg straps are provided with pass thru buckles for easy adjustment.

Lanyard keepers on the shoulder for placement of free Lanyard.

Additional back support strap provided for a comfortable fit.

Ideally positioned Butt-strap for extended comfort.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap

Weight : 3.97 lbs.

**PRIME  
 LINE**


&gt; Ref: SF-FBH-155-3G &lt;

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 2 D-ring at waist level for positioning 5 Point adjustability Ergonomically designed.

Additional back support strap provided for a comfortable fit.

Elastic Loops on all the straps for better adjustment.

Ideally positioned Butt-strap for extended comfort.

Grommetted Leg straps with tongue Buckle adjustment.

Comes with Dual color scheme for easy differentiation of the shoulder and leg straps.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap as per CSA Z259.10-12

Weight : 3.53 lbs.



&gt; Ref: SF-FBH-155-4D &lt;

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 2 D-ring at waist level for positioning 1 Front d-Ring at chest level for climbing. 4 Point adjustability

Shoulder straps & leg straps with pass thru Buckles for easy adjustment.

Elastic Loops on all the straps for better adjustment.

Ideally positioned Butt-strap for extended comfort.

Comes with Dual color scheme for easy differentiation of the shoulder and leg straps.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap

Weight : 3.20 lbs.



&gt; Ref: SF-FBH-155-4G &lt;

Made up of high tenacity Polyester 1 Yellow plated D-Ring for Fall Arrest 2 D-ring at waist level for positioning 1 Front d-Ring at chest level for climbing. 4 Point adjustability Ergonomically designed.

Additional back support strap provided for a comfortable fit.

Elastic Loops on all the straps for better adjustment.

Ideally positioned Butt-strap for extended comfort.

Grommetted Leg straps with tongue Buckle adjustment.

Comes with Dual color scheme for easy differentiation of the shoulder and leg straps.

Breaking strength-greater than 5000 lbs

Meets or Exceeds ANSI Z359.11-2021

Equipped with fall Indicator on shoulder strap

Weight : 3.31 lbs.

# HIGHTLINE

Meets applicable ANSI, OSHA and CSA Standard ANSI Z359.11-2021 and CSA 259.10-12



> Ref : SF-PNT-1511 <

Made up of high tenacity polyester 1 Back D-ring for Fall Arrest 5 point adjustability  
Shoulder straps with Spring Buckles for adjustment  
Lanyard keepers on Shoulder straps for placement of free lanyards  
Quick-Connect Buckle on Chest & Leg strap  
Breaking strength - greater than 5000 lbs  
Meets applicable ANSI standards  
Equipped with fall Indicator on shoulder strap as per ANSI Z359.11-2021  
Weight : 4.19 lbs.



> Ref : SF-PNT-1512 <

Made up of high tenacity polyester 1 Back D-ring for Fall Arrest, and 2 D-rings at the waist level for Positioning 6 point adjustability  
Shoulder strap with Spring Buckle for easy adjustment.  
Quick-Connect Buckle on Chest & Leg strap  
Lanyard keepers on the Shoulder straps for placement of free lanyard.  
Tool holder at the waist belt  
Breaking strength - greater than 5000 lbs  
Meets applicable ANSI standards  
Equipped with fall Indicator on shoulder strap as per ANSI Z359.11-2021  
Weight : 5.30 lbs.

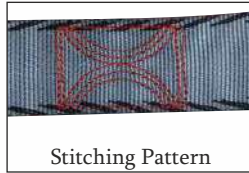


> Ref : SF-PNT-1514 <

Made up of high tenacity polyester 1 Back and 1 Front Chest D-ring for Fall Arrest & climbing 2 Drings at waist level for Positioning and 1 Ventral D-ring for Rope Access 6 point adjustability  
Quick-Connect Buckles on Shoulder & Thigh straps for easy adjustment.  
Lanyard keepers on the Shoulder straps for placement of free lanyard.  
Waist straps with spring Buckles to allow easy adjustment.  
2 tool holders & an extra bigger handle at the back for keeping extra karabiners and accessories  
Ideally Positioned elasticated straps for extended comfort.  
Breaking strength - greater than 5000 lbs  
Meets applicable ANSI standards  
Equipped with fall Indicator on shoulder strap as per ANSI Z359.11-2021  
Weight : 5.96 lbs.



# HIGHLINE



Stitching Pattern



Automatic Buckle



Lateral D-Ring



Label Cover



Back Strap



Chest Strap Adjuster with Lanyard Keeper



Spring Buckle



Ref : SF-PNT-15-11G

Made up of high tenacity polyester 1 Back D-Ring for fall arrest 5 point adjustability  
 Shoulder strap with Spring Buckle for easy adjustment.  
 Quick-Connect Buckle on Chest strap & Tongue Buckles on leg strap for easy adjustment.  
 Lanyard keepers on the Shoulder straps for placement of free lanyard.  
 Breaking strength - greater than 5000 lbs  
 Meets applicable ANSI standards  
 Equipped with fall Indicator on shoulder strap as per ANSI Z359.11-2021  
 Weight : 4.30 lbs.



Ref : SF-PNT-15-12G

Made up of high tenacity polyester 1 Back D-ring for Fall Arrest, and 2 D-rings at waist level for Positioning 6 point adjustability  
 Quick-Connect Buckles on Chest strap & Tongue Buckles on leg strap for easy adjustment.  
 Shoulder straps with Spring Buckle for easy adjustment.  
 Lanyard keepers on the Shoulder straps for placement of free lanyard  
 Grommetted Waist belt and Leg straps  
 2 tool holder loops and extra bigger handle at the base for keeping extra karabiner & accessories  
 Breaking strength - greater than 5000 lbs  
 Meets applicable ANSI standards  
 Equipped with fall Indicator on shoulder strap as per ANSI Z359.11-2021  
 Weight : 5.41 lbs.



## JACKET HARNESS

Meets applicable ANSI, OSHA and CSA Standard  
ANSI Z359.11-2021 and CSA 259.10-12



> Ref: SF-FBJH-155-1D (OR) <

- ♦ VIRAJ Made up of high tenacity polyester, the Harness is incorporated into a Vest for easy and
- ♦ Tangle free wear.
- ♦ The Vest is made of Poly-cotton .
- ♦ Multi Pockets available in the vest.
- ♦ Comfortable & breathable mesh lining & Durable zipper.
- ♦ One Back D-Ring for fall arrest.
- ♦ 3 point adjustability
- ♦ Cross plate on back for holding the webbing.
- ♦ Chest straps & Leg straps with Pass Thru Buckles for easy adjustment
- ♦ Additional back support strap provided for a comfortable fit.
- ♦ Ideally positioned butt-strap for extended comfort.
- ♦ Breaking strength - greater than 5000 lbs
- ♦ Meets applicable ANSI & OSHA standards
- ♦ Weight : 3.60 lbs.



Meets applicable ANSI, OSHA and CSA Standard  
ANSI Z359.13-2013 and CSA 259.11-05(R2010)

## 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-FAP-4400 (6 ft)

Personal shock pack is designed to limit Fall Arrest force to 900 lbs.  
Designed to use within the fall arrest system allowing min 6 ft Fall clearance distance provided for Attachment and D-Ring for anchorage  
As per ANSI Z359.13-2013

Ref: SF-FAP-4400 (12 ft)

Personal shock pack is designed to limit Fall Arrest force to 1800 lbs.  
Designed to use within the fall arrest system allowing min 12 ft Fall clearance distance provided for Attachment and D-Ring for anchorage  
As per ANSI Z359.13-2013



## SHOCK PACK

Ref: SF-FAP-30008 (6 ft)

Personal Shock Pack is designed to limit Fall Arrest Force to 900 lbs.  
4 Designed to use within the fall arrest system allowing min. 6ft. Fall clearance distance.  
Steel Snap Hook SF-1406 Provided for Attachment and D-Ring for anchorage

Ref: SF-FAP-30008 (12 ft)

Personal Shock Pack is designed to limit Fall Arrest Force to 1800 lbs.  
4 Designed to use within the fall arrest system allowing min. 12ft. Fall clearance distance.  
Steel Snap Hook SF-1406 Provided for Attachment and D-Ring for anchorage

## 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.





## LANYARD

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VIRAJ offers Vast range of Lanyards having a variety of attachment hooks. Meets applicable ANSI and OSHA Standard ANSI Z359.13-2013

### TOOL LANYARD

SF-TL-1001	SF-TL-1003(A)
SF-TL-1002	SF-TL-1004(A)
SF-TL-1003	SF-TL-1005(A)
SF-TL-1004	SF-TL-1006(A)
SF-TL-1005	SF-TL-1007(A)
SF-TL-1006	SF-TL-1008(A)
SF-TL-1001(A)	SF-TL-1009(A)
SF-TL-1002(A)	SF-TL-1010(A)

### SHOCK ABSORBING LANYARD

SF-FAP-3108 (6 &12)
SF-FAP-3109 (6 &12)
SF-FAP-3108 (ADD) (6 &12)
SF-FAP-3109(ADD) (6&12)
SF-FAP-31098 (6 &12)
SF-FAP-31099 (6 &12)
SF-FAP-31098 (ADD) (6 &12)
SF-FAP-31099 (ADD) (6 &12)

### INTERNAL SHOCK ABSORBING LANYARD

SF-FAP-3209(6 &12)
SF-FAP-32099(6 &12)

### ADJUSTABLE FALL ARREST LANYARD

SF-FAP-3798
SF-FAP-3698(SW)
SF-FAP-3698



## TOOL LANYARDS

The SECURE FIRST Fall Protection Tool Lanyard with Mini Twist Locking Karabiner is incredibly light weight, and is ideal for the secure transportation of tools during work. It is certified to carry tools upto 20 pounds in combined weight, and can be installed to a tool belt or around the wrist. The Mini Twist Locking Karabiner is self-closing and self-locking, and helps reduce the risk of injuries from falling tools.



Ref: SF-TL-1001

Polyester Elasticated Webbing 0.78"  
Lock Stitching at both ends for extra security  
Mini Aluminium Karabiners for corrosion resistance  
Strength of Tool Lanyard : 22 lbs.  
Length 42 - 54 " at full extension  
Colour : Orange webbing with centre black line or As required.  
Weight : 0.10 lbs



Ref: SF-TL-1002

Polyester Elasticated Webbing 0.78"  
Lock Stitching at both ends for extra security  
Mini Aluminium Karabiners for corrosion resistance  
Adjustable barrel lock for tool attachment  
Strength of Tool Lanyard : 22 lbs.  
Length 35 - 42 " at full extension  
Colour : Orange webbing with centre black line or As required..  
Weight : 0.12 lbs.



Ref: SF-TL-1003

Polyester Elasticated Webbing 0.78"  
Lock Stitching at both ends for extra security  
Mini Aluminium Karabiners for corrosion resistance  
Adjustable barrel lock for tool attachment  
Modular quick connecting buckle for exchanging multiple tools  
Strength of Tool Lanyard : 22 lbs.  
Length 35 - 42 " at full extension  
Colour : Orange webbing with centre black line or As required..  
Weight : 0.13 lbs.



Ref: SF-TL-1004

This Lanyard comes as a black colored 0.78" mm tubular webbing having a relaxed length of 33.5"(so that the Lanyard does not unnecessarily come in the way while working), and extended length of 53.14" (to allow maximum reach while using the tool).  
The Y-shaped Lanyard allows the user to attach and carry 2 tools.  
The Lanyard can be easily attached to the waist belt of the Harness with the help of a light-weight Karabiners.  
Convenient Y-stretch Lanyard for tool holding.  
Weight : 0.14 lbs.

SF-TL-1001(1119)



SF-TL-1002(1119)



SF-TL-1003(1119)



SF-TL-1004(1119)



SF-TL-1001(1112)



SF-TL-1002(1112)



SF-TL-1003(1112)



SF-TL-1004(1112)



SF-TL-1001(1108)



SF-TL-1002(1108)



SF-TL-1003(1108)



SF-TL-1004(1108)



## TOOL LANYARDS



Ref: SF-TL-1005

VIRAJ Locking Tool Lanyards helps users stay safe and stay productive while working at heights by reducing the risks associated with dropped tools. The lanyard body is engineered to provide the best shock absorption, slowing the tool gradually if a drop occurs. Locking karabiners require double actions to open, ensuring a secure connection. Integrated swiveling karabiner reduces twists when using tools. The color coded lanyards allow the user to easily identify the lanyard's weight rating.



Ref: SF-TL-1006

VIRAJ Locking Tool Lanyards helps users stay safe and stay productive while working at heights by reducing the risks associated with dropped tools. The lanyard body is engineered to provide the best shock absorption, slowing the tool gradually if a drop occurs. Locking karabiners require double actions to open, ensuring a secure connection. Integrated swiveling karabiner reduces twists when using tools. The color coded lanyards allow the user to easily identify the lanyard's weight rating.



Ref: SF-TL-1001(A)

Polyester 15.7" adjustable wrist wrap lanyard with plastic buckle connector (Requires either SF-TL-1002(A) or SF-TL-1003(A))



Ref: SF-TL-1002(A)

Polyester 11.8" lanyard tail with stainless steel swivel with screw locking karabiner to fit quick lanyard or SF-TL-1001(A)



Ref: SF-TL-1003(A)

Polyester 11.8" lanyard tail with locking self choke toggle tether to fit quick lanyard or SF-TL-1001(A) wrist wrap



Ref: SF-TL-1004(A)

Small tool attachment made in 2.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



## TOOL LANYARDS



**Ref: SF-TL-1005(A)**

Small tool attachment made in 4.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



**Ref: SF-TL-1006(A)**

Small tool attachment made in 5.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



**Ref: SF-TL-1007(A)**

Medium tool attachment made in 4.5" polyester webbing with swivel at one end and folded end at other end

Provided with a lightweight swivel



**Ref: SF-TL-1008(A)**

Small tool attachment made in 2.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



**Ref: SF-TL-1009(A)**

Small tool attachment made in 4.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



**Ref: SF-TL-1010(A)**

Small tool attachment made in 5.5" polyester webbing with D-ring at one end and folded end at other end

Provided with a lightweight D-ring



## SHOCK ABSORBING LANYARD

Meets applicable ANSI and OSHA Standard ANSI Z359.13-2013



Also Available with Adjuster

> **Ref: SF-FAP-3108 (6 &12)** <

Length - 6ft & 12ft

Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 both side, Weight : 3.50 lbs.



Also Available with Adjuster

> **Ref: SF-FAP-3109 (6 &12)** <

Length - 6ft & 12ft

Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack adjustable Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 at attachment end & Steel Stamped Rebar Hook SF-1607 at anchorage end, Weight : 3.90 lbs.



> **Ref: SF-FAP-3108 (ADD) (6 &12)** <

Length - 6ft & 12ft

Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack adjustable with D-Ring SF-DR-016 Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 both side, Weight : 3.95 lbs.



> **Ref: SF-FAP-3109 (ADD) (6 &12)** <

Length - 6ft & 12ft

Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack adjustable with D-Ring SF-DR-016 Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 at attachment end & Steel Stamped Rebar Hook SF-1607 at anchorage end, Weight : 4.00 lbs.



Also Available with Adjuster

> **Ref: SF-FAP-31098 (6 &12)** <

Length - Y Leg Lanyard 6ft & 12ft

Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 both side, Weight : 4.70 lbs.



Also Available with Adjuster

> **Ref: SF-FAP-31099 (6 &12)** <

Length - Y Leg Lanyard 6ft & 12ft

Description - with 6 ft Fall Shock Absorbing Pack Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 at attachment end and Steel stamped Rebar Hook SF-1607 at anchorage end

Weight : 4.85 lbs.



## LANYARDS

Meets applicable ANSI and OSHA Standard ANSI Z359.13-2013

LANYARDS

ANSI



> Ref: SF-FAP-31098 (ADD) (6 &12) <

Length - Y Leg Lanyard 6ft & 12ft  
Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack adjustable with D-Ring SF-DR-016 Breaking strength of Webbing : 6000 lbs  
Connectors - Steel Stamped snap Hook SF-1406 both side, Weight : 5.00 lbs.

> Ref: SF-FAP-31099 (ADD) (6 &12) <

Length - Y Leg Lanyard 6ft & 12ft  
Description - with 6 ft & 12 ft. Fall Shock Absorbing Pack adjustable with D-Ring SF-DR-016 Breaking strength of Webbing : 6000 lbs  
Connectors - Steel Stamped snap Hook SF-1406 at attachment end & Steel Stamped Rebar Hook SF-1607 at anchorage end, Weight : 4.80 lbs.

> Ref: SF-FAP-3209(6 &12) <

(Internal Shock Absorbing)

Length - 6ft & 12ft

Description - with 6 ft Fall Shock Absorbing Pack Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 at attachment end and Steel stamped Rebar Hook SF-1607 at anchorage end  
Weight : 3.31 lbs.

> Ref: SF-FAP-32099(6 &12) <

(Internal Shock Absorbing)

Length - Y Leg Lanyard 6ft & 12ft

Description - with 6 ft Fall Shock Absorbing Pack Breaking strength of Webbing : 6000 lbs

Connectors - Steel Stamped snap Hook SF-1406 at attachment end and Steel stamped Rebar Hook SF-1607 at anchorage end  
Weight : 4.41 lbs.



Meets applicable ANSI and OSHA Standard ANSI Z359.3-2017



> **Ref: SF-FAP-3798** <

- ♦ Adjuster ring provides adjustment from 4-6ft.
- ♦ 1" Polyester webbing has tensile strength of 7000lbs.
- ♦ Two ends of lanyards is equipped with stamped Snap Hook (SF-1406)
- ♦ Ideally Designed for work positioning at height.
- ♦ Meets or Exceeds ANSI & OSHA standards
- ♦ Weight : 2.10 lbs.



> **Ref: SF-FAP-3698(SW)** <

- ♦ This Positioning Device incorporates a high strength Webbing and has Forged Rebar Hook SF-1503 with the swivel eye.
- ♦ The two ends of the webbing have the Steel Snap Hook SF-1406, used for positioning.
- ♦ Meets applicable ANSI & OSHA standards
- ♦ Tensile strength of Webbing : 7000 lbs
- ♦ Weight : 3.0 lbs.



> **Ref: SF-FAP-3698** <

- ♦ This Positioning Device incorporates a high strength Webbing and has a Stamped Rebar Hook SF-1607.
- ♦ The two ends of the webbing have the Steel Snap Hook SF-1406, used for positioning.
- ♦ Meets applicable ANSI & OSHA standards
- ♦ Tensile strength of Webbing : 7000 lbs
- ♦ Weight : 2.89 lbs.



Meets applicable ANSI and OSHA Standard ANSI Z359.1-2007



> Ref: SF-FAP-30001 <

- ♦ The Rope Grab is made of Steel
- ♦ It is connected with an 18" web lanyard having Snap Hook SF-1406 at the end for attachment to the Harness
- ♦ The Rope Grab is used over the Twisted Rope Life Line having dia of 5/8"
- ♦ Meets or Exceeds ANSI & OSHA standards
- ♦ Weight :2.10 lbs.

> Ref: SF-FAP-30002(6) <

- ♦ The Rope Grab is made of Steel
- ♦ It is connected with a Shock Pack and has a Snap Hook SF-1406 at the end for attachment to the Harness
- ♦ The Rope Grab is used over the Twister Rope Life Line having dia of 5/8"
- ♦ Meets or Exceeds ANSI & OSHA standards
- ♦ Weight : 2.54 lbs.

> Ref: SF-FAP-30003 <

- ♦ The Rope Grab is made of Steel
- ♦ Rope grab equipped with double locking closing mechanism
- ♦ It is connected with a Shock- Pack and has a Snap Hook (SF-1406) at the end for attachment to the Harness
- ♦ The Rope Grab is used over the Twisted Rope Life Line having dia of 5/8"
- ♦ Meets applicable ANSI & OSHA standards
- ♦ Weight : 2.32 lbs.



> Ref: SF-RG4 <

For use on a 5/8" Anchorage Line of Polyester Twisted Rope.  
Gravity Locking System  
Double Security Locking System  
Meets and applicable ANSI & OSHA standards



> Ref: SF-RG5 <

For use on a 5/8" Anchorage Line of Polyester Twisted Rope.  
Gravity Locking System  
Double Security Locking System  
Meets and applicable ANSI & OSHA standards



Meets applicable ANSI and OSHA Standard ANSI Z359.1-2007



> Ref: SF-FAP-30201(25),(50) <

- ◆ This Lifeline is made of high strength P.P. Rope.
- ◆ The dia of the rope is 5/8"
- ◆ It is provided with Snap Hook SF-1406 spliced at one end, and the other side has a Stop-Knot
- ◆ Available in lengths of 25ft and 50 ft
- ◆ Meets or Exceeds ANSI & OSHA standards.



> Ref: SF-FAP-30202(25),(50) <

- ◆ This Lifeline is made of high strength P.P. Rope.
- ◆ It comes incorporated with a Shock Absorber with Snap Hook SF-1406 spliced at one end, and the other side has a Stop-Knot.
- ◆ The dia of the rope is 5/8"
- ◆ Available in lengths of 25ft and 50 ft.
- ◆ Meets or Exceeds ANSI & OSHA standards



> Ref: SF-FAP-30221(25),(50) <

- ◆ This Lifeline is made of high strength Polyester Twisted Rope .
- ◆ The dia of the rope is 5/8"
- ◆ It is provided with Snap Hook SF-1406 spliced at one end, and the other side has a Stop-Knot
- ◆ Available in lengths of 25ft and 50 ft
- ◆ Meets or Exceeds ANSI & OSHA standards



> Ref: SF-FAP-30222(25),(50) <

- ◆ This Lifeline is made of high strength Polyester Twisted Rope.
- ◆ It comes incorporated with a Shock Absorber with Snap Hook SF-1406 spliced at one end, and the other side has a Stop-Knot.
- ◆ The dia of the rope is 5/8"
- ◆ Available in lengths of 25ft and 50 ft.
- ◆ Meets or Exceeds ANSI & OSHA standards

## Suspension Trauma Strap

Ref: SF-ST5-01

Extremely effective; specially designed to help relieve the negative effects of Suspension Trauma.

Compact and Light-weight. Does not hamper with the activity of the 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.

VIRAJ provides Harnesses fitted with the Suspension Intolerance straps on request.

Weight : 0.23 lbs.



## Suspension Trauma Strap

Ref: SF-ST5-02

The Viraj Anti-Trauma Strap Single is an easy to use, but very effective Anti-Trauma strap. This strap ensures that when someone has fallen, the person can ensure that the blood circulation starts / stays going. This Anti-Trauma Strap is easy to attach to the side of the harness and can be activated by loosening the zipper. Then you attach the integrated Karabiner to the D-ring on the chest and you can step into your loop. In this way you bring relief to the groin and the blood circulation continues / starts again.

Weight : 0.837 lbs.



Front view

## D-Ring Extender

Ref: SF-EL-01

Made of 1.18" wide polyester webbing

Provided with SF-1406 & SF-DR-016 for making connection.

Ideal for extending dorsal D-Ring for easy connection.

Length :- 18 inches

Weight : 1.30 lbs.



## D-Ring Extender with One Side Connector

Ref: SF-EL-02

Made of 1.73" wide polyester webbing

Provided with Loop & D-Ring for making connection.

Ideal for extending dorsal D-Ring SF-DR-002 for easy connection.

Length :- 18 inches

Weight : 0.50 lbs.

## Polyester Twisted Rope

Ref: SF-TR-5/8"

Polyester rope is made with high tenacity multi filament polyester yarn. This is an excellent, low cost, general utility rope. This economical, high strength rope has very low stretch properties, high abrasion resistance and is easily spliced. Used in construction, industrial and marine applications.

· White with blue color tracer.

· Additional sizes and colors available to special order

Item Code	Diameter	Length	Color	Tensile Strength (lbs.)	Weight (lbs.)
SF-TR-5/8"	5/8"	600'	White with Blue Tracer	6,100	55
SF-TR-5/8"	5/8"	800'	White with Blue Tracer	6,100	75





## ANCHORAGE

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



### CONCRETE ANCHOR STRAP

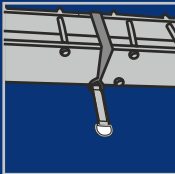
Ref: SF-ES-8005

Made up of 1.73" wide Polyester Webbing  
Length : 3 ft, 4 ft, & 6 ft or as requested.

Having a D-Ring at one end and textile loop at the other end. Also provided with a polyester covering on the load-bearing webbing

As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 1.11 lbs.



### CONCRETE ANCHOR STRAP

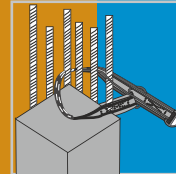
Ref: SF-ES-8005 N

Made up of 1.73" wide Polyester Webbing  
Length : 3 ft, 4 ft, & 6 ft or as requested.

Having a D-Ring at one end and textile loop at the other end. Also provided with a polyester covering on the load-bearing webbing

As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 1.11 lbs.



### CONCRETE ANCHOR STRAP

Ref: SF-ES-8006

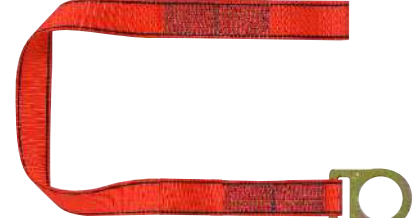
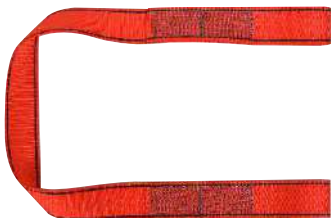
Made up of 1.73" wide Polyester Webbing stitched with 2.75" webbing on the back for extra protection.

Length : 3 ft, 4 ft, & 6 ft or as requested.

Having a small D-ring on one end & a bigger D-ring on the other.

As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 1.17 lbs.



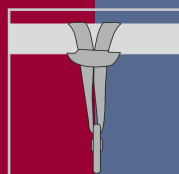
### ANCHORAGE WEBBING SLING

Ref: SF-ES-8009

Made up of 2" wide Polyester Webbing  
Length : 3 ft, 4 ft, & 6 ft or as requested.

As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 0.95 lbs.



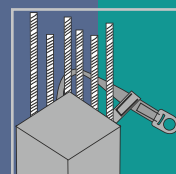
### ANCHORAGE WEBBING SLING

Ref: SF-ES-8011

Made up of 2" wide Polyester Webbing  
Length : 3 ft, 4 ft, & 6 ft or as requested.

Having D-Ring at one end and other side loop  
As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 0.95 lbs.



### ANCHORAGE WEBBING SLING

Ref: SF-ES-8012

Made up of 2" wide Polyester Webbing  
Length : 3 ft, 4 ft, & 6 ft or as requested.

As per ANSI Z359.18-2017 TYPE T & OSHA.

Weight : 0.95 lbs.

## TEMPORARY HORIZONTAL ROPE ANCHORAGE LINE 2 & 4 PERSONS

Ref : SF-HL-5001(2) & SF-HL-5001(4)

VIRAJ introduces a new Horizon 4 Man Temporary Horizontal Lifeline made up of Kernmantle Rope of 5/8" dia and a uniquely designed Tensioner integrated within the lifeline.

This Lifeline is provided with 2 & 4 'O Rings' as Anchors made up of High Strength Galvanized Steel.

- Quick & easy to install, and is re-usable
- SF-HL-5001 (2) suitable for 2 personnel & SF-HL-5001 (4) suitable for 4 personnel.
- Highly corrosion resistant Tensioner made of Aluminium & Stainless Steel
- Consists of tension indicator for creating an adequate tension in the Line
- The Lifeline made up of 5/8" dia Kernmantle Rope, has a swivel brass connector at one end, which can be connected to a rated anchor point with the help of a Steel Quarter Turn Locking Karabiner SF-1103 A. The other end of the lifeline is connected with the help of a Karabiner SF-1103 A, connected to the eye of the tensioner. The anchorage line is secured at the termination with the help of a stop-knot covered with a protective sleeve.
- Has Swivel Brass Connector – Specially designed to prevent any twisting of the rope.
- The system has 2 & 4 Steel O-Rings to enable the user to easily attach the Lanyard of his Harness to the Lifeline using a Karabiner.
- Total Length of the Line is 82.02 Ft. Covers a span of 15 Ft. to 82.02 Ft.
- Minimum Breaking Strength : 5620 lbs.
- 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 comfortable handles provided in the bag. This Bag is designed in such a way that it keeps the unused rope safely, thereby preventing the rope being subjected to abrasion or any damage caused from dust, dirt grime, oil etc.
- Once fitted, you can easily put back the extra rope not deployed along the length, into the Bag.
- Conforms to ANSI Z359.1-2007
- Concrete Anchor Strap SF-ES-8006 is Made up of 1.73" wide Polyester Webbing stitched with 2.75" webbing on the back for extra protection. Length : 3 ft, 4 ft, & 6 ft or as requested. Having a small D-ring on one end & a bigger D-ring on the other. As per ANSI Z359.18-2017 TYPE T & OSHA. Weight : 1.17 lbs.



Technical Snapshot

Reference	Rope Type	Material of Tensioner	Anchorage End	Anchorage Type	Max No. of user	Min-Max Span Length	Weight
SF-HL-5001(2)	Kernmantle Rope of dia 5/8"	Aluminium and Stainless Steel	Both End SF-1103 A	Forged Alloy Steel O-Ring Qty-2 nos.	2 users	15 ft. to 82.02ft.	18.21 lbs ± 0.22 lbs
SF-HL-5001(4)	Kernmantle Rope of dia 5/8"	Aluminium and Stainless Steel	Both End SF-1103 A	Forged Alloy Steel O-Ring Qty-4 nos.	4 users	15 ft. to 82.01ft.	20.46 lbs ± 0.22 lbs

## CONNECTORES



SF-1101 A(C)

### Steel Quarter Turn-locking Karabiner Ref. SF-1101 A

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 0.67"
- † Minimum Breaking Strength: 5000 lbs
- † Finish: Galvanized with Golden Yellow/Silver passivation
- † Net Weight: 0.35 lbs ± 0.02 lbs
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009
- † Also available with captive pin.



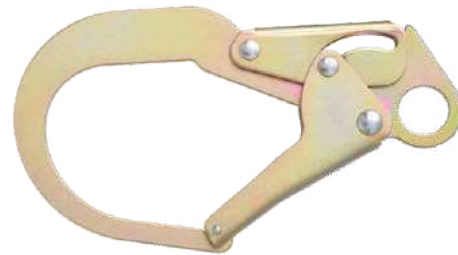
### Steel Swivel Snap Hook with Load Indicator Ref. SF-1404

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 0.79"
- † Minimum Breaking Strength: 5000 lbs
- † Finish: Galvanized with Golden Yellow/Silver passivation shot blasted on request.
- † Net weight: 1.15 lbs ± 0.02 lbs
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009 & CSA Z 259.12



### Steel Snap Hook Ref. SF-1406

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 0.79"
- † Minimum Breaking Strength: 5000 lbs
- † Finish: Galvanized with Golden Yellow / Silver passivation; Shot Blasted on request
- † Net Weight: 0.83 lbs ± 0.02 lbs
- † Process: Stamped
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009 & CSA Z 259.12



### Steel Rebar Hook Ref. SF-1607

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 2.63"
- † Minimum Breaking Strength: 5000 lbs
- † Finish: Galvanized with Yellow/ Silver passivation ; Shot Blasted on request
- † Net Weight: 1.70 lbs ± 0.02 lbs
- † Process: Stamped
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009 and CSA Z259.12

# NOTE \_\_\_\_\_



**VIRAJ**  
= VSPL GROUP =  
**ON-X SERIES**

**SELF Retractable**  
**Life LINE**

**NSI** Z359.14-2021  
**CLASS 1**

Part Code : SF-RFA-30FT  
Length(Ft.) : 30  
Part No. : SAMPLE  
Serial No. : SAMPLE  
Date/Year : 05/2021

Date of First Use

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

- Material: Galvanised Steel
- Cut & Abrasion Resistant
- Construction on 7X19
- Wire Dia: 4.8mm
- Wire BS: 21 kN (Min)
- Static Load: 16 kN (Min)
- Option of SS Wire Available



**Wire Rope Feature**

- Material: UHMWPE
- Cut & Abrasion Resistant
- Web Width: 24mm
- Web BS: 23 kN (Min)
- Static Load: 16 kN (Min)
- Web Thickness: 2.0mm
- Web Finish: UV Stabilized
- Web Shade: Black & Option of Red, Blue & Orange



**Webbing Feature**

# SELF RETRACTABLE DEVICES (SRD<sub>s</sub>)

# IN-HOUSE TESTING AT VIRAJ



**HOT CONDITIONING**



**COLD CONDITIONING**



**STATIC TESTING**



**DYNAMIC TESTING**



**ARTIFICIAL RAIN TEST**



**HARDNESS TESTING**



**SALT SPRAY TESTING**



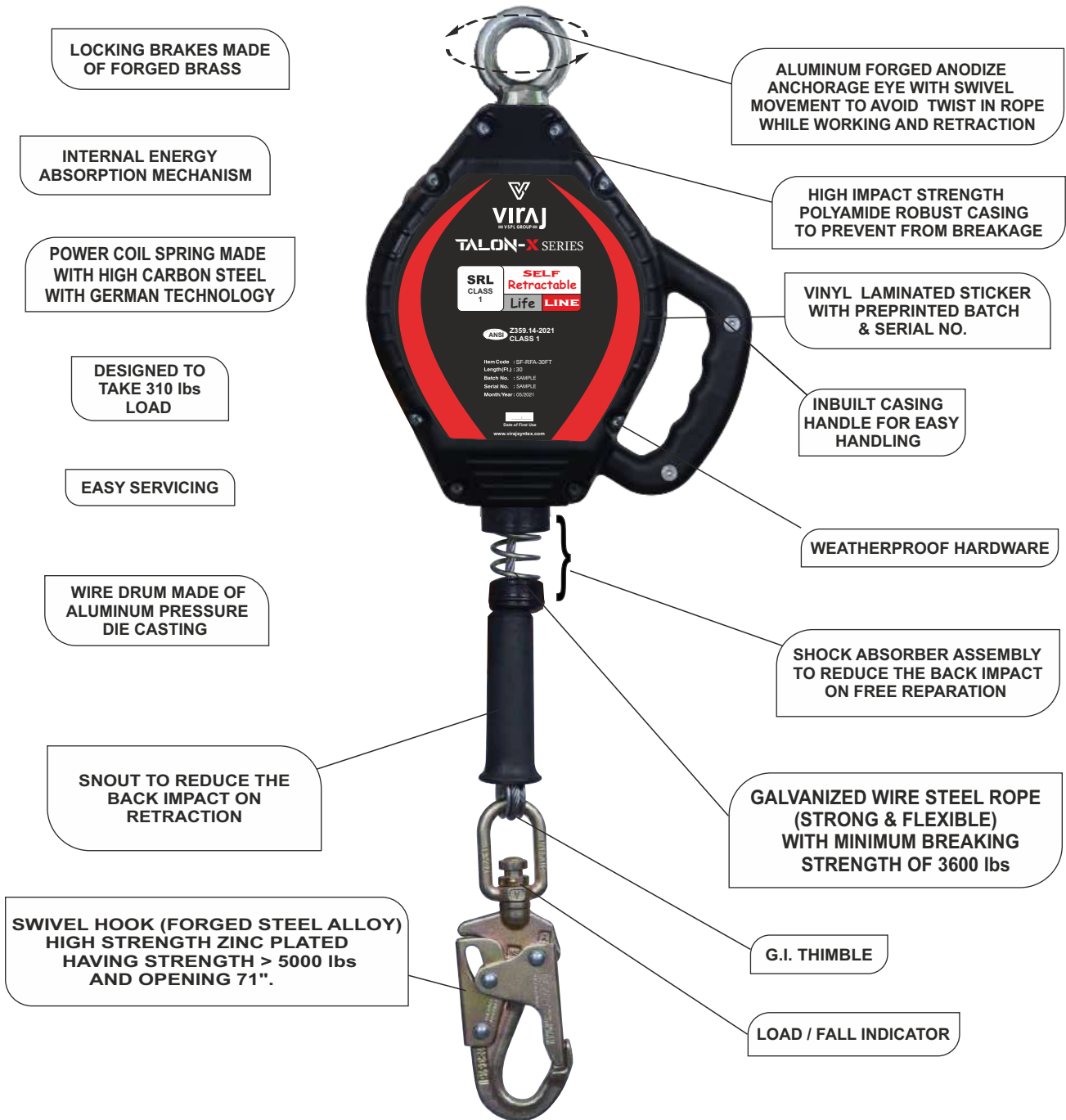
**COATING TEST**



**ON-LINE FUNCTION TEST**



## VIRAJ ADVANTAGE



★ As Per ANSI Z359:14-2021 And Horizontal Usage ANSI Z359:14-2021 SRL-LE

★ Wire Rope Blocks Available In Length Of 10 Ft. To 100 Ft.

★ Webbing Rope Blocks Available In Length of 6 Ft. To 40 Ft.

★ Compact Dimensions and Light/weight for Easy Handling of Unit.



Tiny  
but  
Mighty  
Small but  
**STRONG**

Introducing **TALON-MINI (SRL)**

The Lightest Self Retractable Life Line (SRL)

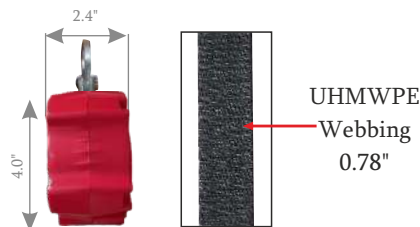
in its range With tough & long-lasting casing, this **TALON-MINI** is extremely light in weight & easy to carry. It is made up of finest material for durability and Comprehensive use.



**TALON-MINI** Self Retractable Life Line (SRL)

Ref: SF-RFA-6W FT

Material	Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line.
Convenience	0.78" UHMWPE webbing has a Tensile strength In excess of 5000lbs, Webbing Length : 6FT with energy absorber & Steel Snap Hook SF-1406
Special Features	Polymer Housing and Drum are Durable and lightweight and Resistant to Corrosion.
Additional Features	It passes the test for Fall Factor 2 and can be used Horizontally
Minimum Breaking Strength	> 3600 lbs
Weight	2.866 lbs
Compliance	As per Z359.14-2021, Class 1.



Above models also available in below shades

Red	Blue	Orange	Yellow
-----	------	--------	--------

MOQ 100 Nos of each shade & model



## TALON-MINI (SRL)

### NOW CHOOSE THE TALON-MINI (SRL) AS PER YOUR REQUIREMENT

ALPHA Block can be used with a variety of different hooks and connectors at both its ends offering high level of flexibility of use to the wearer.

### ANCHOR END

Stainless Steel Triple Action Locking Karabiner (SF-1105ATSS)



Steel Quarter Turn Locking Karabiner (SF-1101 A)



Aluminium Quarter Turn Locking Karabiner (SF-1903 A)



Twin SRL Connector (SF-1700)



Twin SRL Connector (SF-1609)



Front View



Back View



Steel Snap Hook (SF-1406)



Aluminium Bulb Type Hook (SF-512)

Aluminium Karabiner Tittle Lock with Swivel (SF-1115)



Aluminium Rebar Hook (SF-1509)



Steel Form Hook (SF-1607)

### HOOK/LIFELINE END OPTIONS

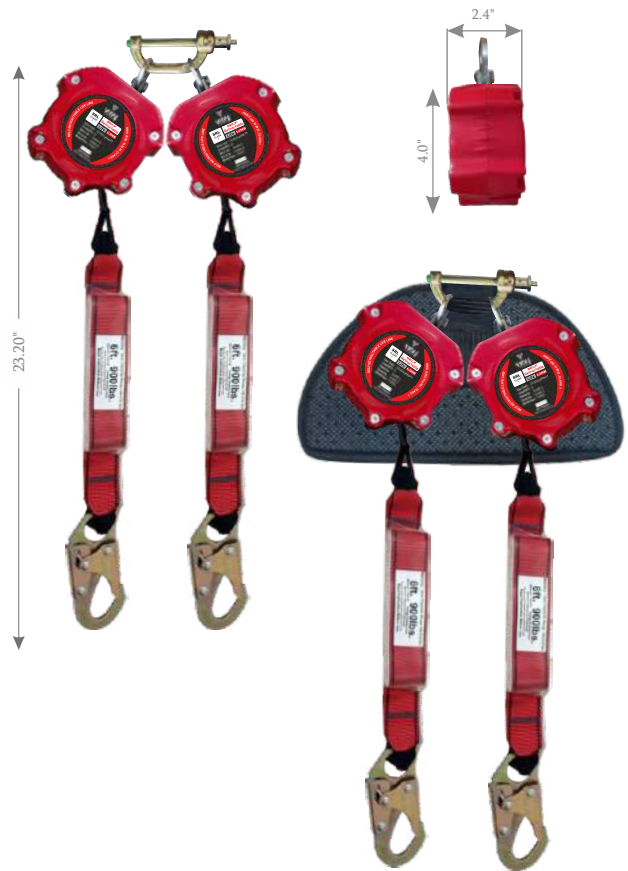


### TALON-MINI DUAL Self Retractable Life Line (SRL-P)

Ref: SF-RFA-2X6W FT

Material	Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line.
Convenience	0.78" UHMWPE webbing has a Tensile strength in excess of 5000 lbs, Webbing Length : 2.0m with energy absorber & Steel Snap Hook SF-1406.
Special Features	Polymer Housing and Drum are Durable and lightweight and Resistant to Corrosion.
Weight	6.052 lbs.
Compliance	As per ANSI Z359.14-2021, Class 1.

Having a Twin SRL connector reference no- SF-1700 it reduces the length of swing during the fall there by preventing the impact of SRL on the back of the user's Head.



Also Available With Back Pad

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model

### PACKAGING FEATURES



Strength:- It contains 7 ply carton for higher bursting strength.

Apperance:- Provided with Lamination on the Carton for dust proof.

Box Contains:- Retractable Fall Arrester Block - 1Pcs, Karabiner - 1Pcs Tag Line - 1Pcs, Instruction Manual - 1Pcs,





### TALON-X (SRL) Polymer Casing with G.I. Wire/Cable

Ref: SF-RFA-10FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes with Galvanized Steel Wire/Cable of Dia 3/16" (3600 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-10FT	10 FT	5.202

### TALON-X (SRL) Polymer Casing with Webbing

Ref: SF-RFA-11W FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	- Comes in 0.94" width UHMWPE webbing. (5000 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-11W FT	11 FT	4.050



Above models also available in below shades			
Red	Blue	Orange	Yellow
MOQ 100 Nos of each shade & model			



### TALON-X (SRL) Polymer Casing with G.I. Wire/Cable

Ref: SF-RFA-15FT (N) to SF-RFA-20FT (N)

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes with Galvanized Steel Wire/Cable of Dia 3/16" (3600 lbs)  - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-15FT (N)	15 Ft.	6.724
SF-RFA-20FT (N)	20 ft.	6.900

### TALON-X (SRL) Polymer Casing with Webbing

Ref: SF-RFA-15W FT (N) to SF-RFA-20W FT (N)

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	- Comes in 0.94" width UHMWPE webbing. (5000 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-15W FT (N)	15 Ft.	5.092
SF-RFA-20W FT (N)	20 Ft.	5.434

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model





### TALON-X (SRL) Polymer Casing With G.I. Wire/Cable with Inbuilt Handle

Ref: SF-RFA-15FT to SF-RFA-30FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes with Galvanized Steel Wire/Cable of Dia3/16" (3600 lbs) & provided with Swivel Snap Hook SF-1404
Special Features	Anchorage Eye with swivel action. Prevents undue twist of cable while working or in the event of a Fall.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021 Class 1

Model	Length	Weight(lbs)
SF-RFA-15FT	15 FT	8.377
SF-RFA-20FT	20 FT	8.598
SF-RFA-30FT	30 FT	9.435

### TALON-X (SRL) Polymer Casing With Webbing with Inbuilt Handle

Ref: SF-RFA-15W FT to SF-RFA-25W FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes in 0.94" width UHMWPE webbing (5000 lbs) Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Special Features	Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021 Class 1

Model	Length	Weight(lbs)
SF-RFA-15W FT	15 FT	7.054
SF-RFA-20W FT	20 FT	7.231
SF-RFA-25W FT	25 FT	7.495

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model





### TALON-X (SRL) Polymer Casing With G.I. Wire/Cable with Inbuilt Handle

Ref: SF-RFA-40FT to SF-RFA-60FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes with Galvanized Steel Wire/Cable of Dia 3/16" (3600 lbs) & provided with Swivel Snap Hook SF-1404
Special Features	Anchorage Eye with swivel action. Prevents undue twist of cable while working or in the event of a Fall.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-40FT	40 FT	14.462
SF-RFA-50FT	50 FT	14.991
SF-RFA-60FT	60 FT	15.586

### TALON-X (SRL) Polymer Casing With Webbing with Inbuilt Handle

Ref: SF-RFA-30W FT to SF-RFA-40W FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes in 0.94" width UHMWPE webbing (5000 lbs) Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end.
Special Features	Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-30W FT	30 FT	12.610
SF-RFA-40W FT	40 FT	13.007

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model





**NEW**



**TALON-X (SRL) Polymer Casing With G.I. Wire/Cable**

Ref: SF-RFA-60FT (N)

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	Galvanized Steel Wire/Cable of Dia 3/16" (3600 lbs).
Attachment End	Swivel Snap Hook SF-1404
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-60FT (N)	60 FT	27.690

**TALON-X (SRL) Polymer Casing With G.I. Wire/Cable**

Ref: SF-RFA-70FT to SF-RFA-100FT

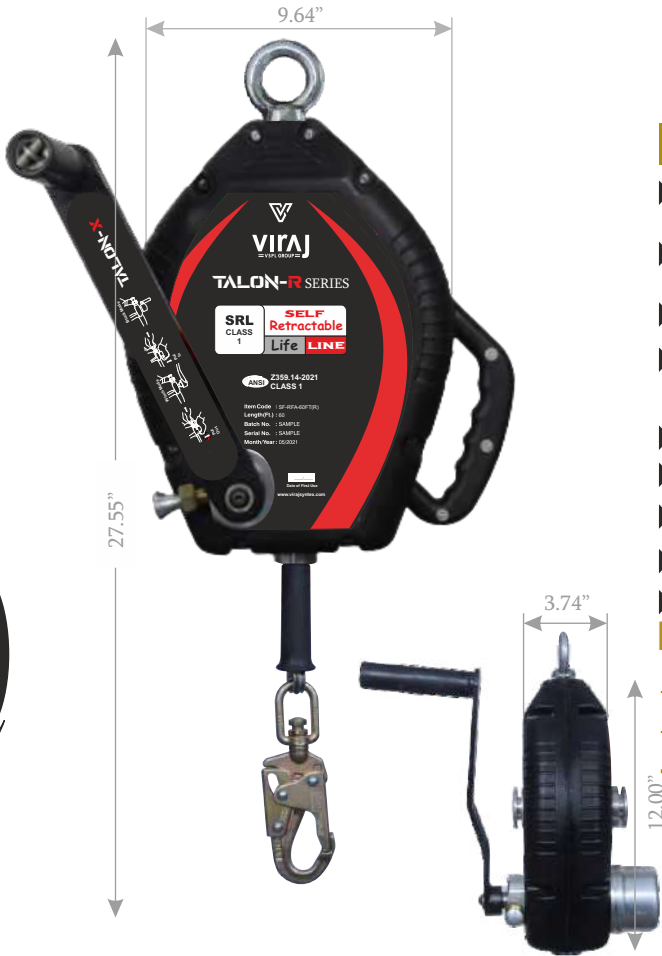
Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	Galvanized Steel Wire/Cable of Dia 3/16" (3600 lbs).
Attachment End	Swivel Snap Hook SF-1404
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021, Class 1.

Model	Length	Weight(lbs)
SF-RFA-70FT	70 FT	26.100
SF-RFA-80FT	80 FT	26.657
SF-RFA-100FT	100 FT	27.954

Above models also available in below shades

Red	Blue	Orange	Yellow
MOQ 100 Nos of each shade & model			





### TALON-R (SRL-R) With Retrieval System

Ref: SF-RFA-40FT(R) to SF-RFA-60FT(R)

- ▶ The locking pin on the side of the casing at the base of the handle allows this dual system to work in independent Fall Arrest & Winch modes.
- ▶ Can be easily mounted on the leg of VIRAJ Tripod SF-TP-800 using specialized brackets.
- ▶ Minimum Breaking Strength > 3600 lbs.
- ▶ As per Z359.14-2021 Class 1 and ANSI Z359.14-2021 SRL-R Unique Features:
- ▶ The Dual mode- helps easy movement of user while working in confined spaces.
- ▶ Retractable mode - enables easy mount of user in confined spaces.
- ▶ Winch mode- enables easy retrieval.
- ▶ Length of Wire Rope upto 60 Ft.
- ▶ Comes with Swivel snap Hook SF-1404 with impact indicator.

Model	Length	Weight(lbs)
SF-RFA-40FT(R)	40 FT	19.510
SF-RFA-50FT(R)	50 FT	20.062
SF-RFA-60FT(R)	60 FT	20.943

### TALON-R (SRL) With Retrieval System

Ref: SF-RFA-80FT(R) to SF-RFA-100FT(R)

- ▶ The locking pin on the side of the casing at the base of the handle allows this dual system to work in independent Fall Arrest & Winch modes.
- ▶ Can be easily mounted on the leg of VIRAJ Tripod SF-TP-800 using specialized brackets.
- ▶ Minimum Breaking Strength > 3600 lbs.
- ▶ As per ANSI Z359.14-2021, Class 1 SRL-R Unique Features:
- ▶ The Dual mode- helps easy movement of user while working in confined spaces.
- ▶ Retractable mode - enables easy mount of user in confined spaces.
- ▶ Winch mode- enables easy retrieval.
- ▶ Length of Wire Rope upto 100 Ft.
- ▶ Comes with Swivel snap Hook SF-1404 with impact indicator.

Model	Length	Weight(lbs)
SF-RFA-80FT(R)	80 FT	33.180
SF-RFA-100FT(R)	100 FT	33.730

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model



## VIRAJ TALON SERIES

### New ANSI Standards for Fall Protection SRLs

ANSI/ ASSP Z 359.14-2021 standard has been recently updated to minimize confusion in the market as to proper use of Self-Retracting Lifelines (SRLs) in relation to anchor height requirements. VIRAJ has all ready started manufacturing of SRLs in new Class 1 / Class 2 standard.

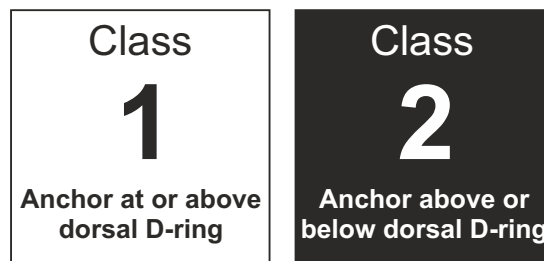
### Classification Changes

SRLs will now be classified by two new class ranges: Class 1 and Class 2. The table below identifies Class 1 SRLs that are only to be used only on overhead anchorages and are subjected to a max free fall of 2 feet or less.

Class 2 SRLs can only be used in applications where overhead anchorages may not be accessible and a structural edge is used instead; these can withstand a free fall of no more than 6.0 feet over an edge.

ANSI Z359.14-2014 (Old)	ANSI Z359.14-2021 (New)
<b>Class A</b> -Tested overhead with 282 lb. weight -Must arrest fall within 24 -Average force less than 1,350 lbs.	<b>Class 1</b> -Tested overhead with 310 lb. weight -Must arrest fall within 42 -Average force less than 1,350 lbs.
<b>Class B</b> -Tested overhead with 282 lb. weight -Must arrest fall within 54 -Average force less than 900 lbs.	<b>Class 2</b> -Meets Class 1 standards -Tested at foot level with 310 lb. weight -Arrest distance printed on label and instructions

SRLs must have Class 1 or Class 2 clearly labeled on the product as per the image below.



Also included in the ANSI Z359.14-2021 standard are testing requirements for a SRL-P, which is a self-retracting lanyard worn by the user on a full-body harness to be used as a fall arrest connector.



# TALON-LE SERIES

Each SRL in this range is constructed in such a way that if subjected to contact with a sharp edge in the event of a fall from a roof/terrace etc, the retracted lanyard remains intact, while arresting the fall immediately.

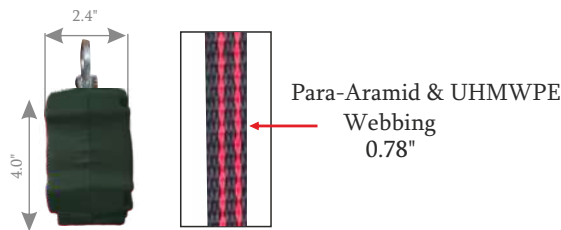
Conforms for the vertical usage as per ANSI Z 359.14-2021 and Horizontal usage as per ANSI Z359.14-2021 SRL-LE



## TALON-MINI Self Retractable Life Line (SRL-P)

Ref: SF-RFA-LE-6W FT

Material	Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line.
Convenience	0.78" Para-Aramid and UHMWPE webbing has a Tensile strength In excess of 5000lbs, Webbing Length : 6FT and also attached swivel snap hook
Special Features	Polymer Housing and Drum are Durable and lightweight and Resistant to Corrosion.
Additional Features	It passes the test for Fall Factor 2 and can be used Horizontally
Minimum Breaking Strength	> 3600 lbs
Weight	3.748 lbs
Compliance	As per Z359.14-2021, Class 2.



## TALON-MINI DUAL Self Retractable Life Line (SRL-P)

Ref: SF-RFA-LE-2X6W FT

Material	Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line.
Convenience	0.78" Para-Aramid and UHMWPE webbing has a Tensile strength in excess of 5000 lbs, Webbing Length : 6FT and also attached swivel snap hook
Special Features	Polymer Housing and Drum are Durable and lightweight and Resistant to Corrosion.
Weight	6.393 lbs.
Compliance	As per ANSI Z359.14-2021, Class 2.

Having a Twin SRL connector reference no- SF-1700 it reduces the length of swing during the fall there by preventing the impact of SRL on the back of the user's Head.



Above models also available in below shades			
Red	Blue	Orange	Yellow
MOQ 100 Nos of each shade & model			



## TALON-LE SERIES

Each SRL in this range is constructed in such a way that if subjected to contact with a sharp edge in the event of a fall from a roof/terrace etc, the retracted lanyard remains intact, while arresting the fall immediately.

Conforms for the vertical usage as per ANSI Z 359.14-2021 and Horizontal usage as per ANSI Z359.14-2021 SRL-LE



### TALON-LE (SRL-P) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFA-LE-8.5FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	G.I. Wire/Cable of Dia 3/16"
Attachment End	Swivel Snap Hook SF-1404.
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021, Class 2. Horizontal usage as per ANSI Z359.14-2021-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-8.5FT	8.5 FT	6.172

### TALON-LE (SRL-P) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFA-LE-2X8.5 FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	G.I.Wire/Cable of Dia 3/16"
Attachment End	Swivel Snap Hook SF-1404.
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021, Class 2. Horizontal usage as per ANSI Z359.14-2021, Class 2-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-2X8.5 FT	8.5 FT	11.243

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model





### TALON-LE (SRL-P) Polymer Casing with Webbing & EA

Ref: SF-RFA-LE-8W FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes in 0.94" width Para-Aramid and UHMWPE webbing (5000 lbs)
Attachment End	Swivel Snap Hook SF-1404
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021, Class 2. Horizontal usage as per ANSI Z359.14-2021-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-8W FT	8 FT	5.070

### TALON-LE (SRL-P) Polymer Casing with Webbing & EA

Ref: SF-RFA-LE-2X8W FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Convenience	Comes in 0.94" width Para-Aramid and UHMWPE webbing (5000 lbs)
Attachment End	Swivel Snap Hook SF-1404
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021, Class 2. Horizontal usage as per ANSI Z359.14-2021, Class 2-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-2X8W FT	8 FT	9.038

Above models also available in below shades

Red	Blue	Orange	Yellow
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MOQ 100 Nos of each shade & model





### TALON-LE (SRL) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFA-LE-10,15FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	G.I. Wire/Cable of Dia 7/30"
Attachment End	Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft)
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021, Class 2. Horizontal usage as per ANSI Z359.14-2021, Class 2-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-10FT	10 FT	7.220
SF-RFA-LE-15FT	15 FT	7.420

### TALON-LE (SRL) Polymer Casing With G.I. Wire/Cable & EA

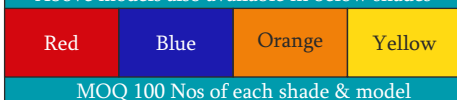
Ref: SF-RFA-LE-10,15,20FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	G.I. Wire/Cable of Dia 7/30".
Attachment End	Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft)
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs
Compliance	As per Z359.14-2021 Horizontal usage as per ANSI Z359.14-2021, Class 2-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-10 FT	10 FT	8.960
SF-RFA-LE-15 FT	15 FT	9.160
SF-RFA-LE-20 FT	20 FT	9.360



Above models also available in below shades



MOQ 100 Nos of each shade & model



### TALON-LE (SRL) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFA-LE-30,40,50FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	GI Wire/Cable of Dia 7/30"
Attachment End	Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft)
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021 Horizontal usage as per ANSI Z359.14-2021-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-30 FT	30 FT	15.514
SF-RFA-LE-40 FT	40 FT	15.914
SF-RFA-LE-50 FT	50 FT	16.314

### TALON-LE (SRL) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFA-LE-60,70,80FT

Material	Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible.
Dia of Rope	G.I. Wire/Cable of Dia 7/30"
Attachment End	Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft)
Anchorage End	Anchorage Eye with swivel action.
Minimum Breaking Strength	> 3600 lbs.
Compliance	As per Z359.14-2021 Horizontal usage as per ANSI Z359.14-2021-SRL-LE

Model	Length	Weight(lbs)
SF-RFA-LE-60 FT	60 FT	27.860
SF-RFA-LE-70 FT	70 FT	28.260
SF-RFA-LE-80 FT	80 FT	28.660





### CASING SOLID SHADE OPTIONS

(MOQ: 100 Each Model)



Blue



Red



Orange

### CASING DOUBLE COLOR OPTIONS

(MOQ: 100 Each Model)



Blue & black



Red & blue



Orange & black



Black & Red

### ACCESSORIES



Twin Alpha SRL Connector  
Ref : SF-1609

- ▶ Meets ANSI Z 359.12- 2009
- ▶ Material: SF-1101A - Alloy Steel Separator - High density polyethylene SF-RFA-02-23
- ▶ Minimum Breaking Strength: 5000 lbs
- ▶ Finish: SF-1101A - Zinc plated with yellow/Silver passivation
- ▶ Net weight: 0.38 lbs ± 0.02 lbs.



Mono SRL Connector  
Ref : SF-1700

- ▶ Material: High Strength Alloy Steel
- ▶ Minimum Breaking Strength: 5000 lbs
- ▶ Finish: Zinc plated in yellow passivation
- ▶ Net weight: 0.37 lbs ± 0.02 lbs

# CONFINED SPACE ENTRY

VIRAJ offers a comprehensive range of Confined Space Entry  
Meet & applicable ANSI Standards ANSI Z359.18-2017  
TYPE A, ANSI Z359.1-2007 & ANSI Z359.4-2013



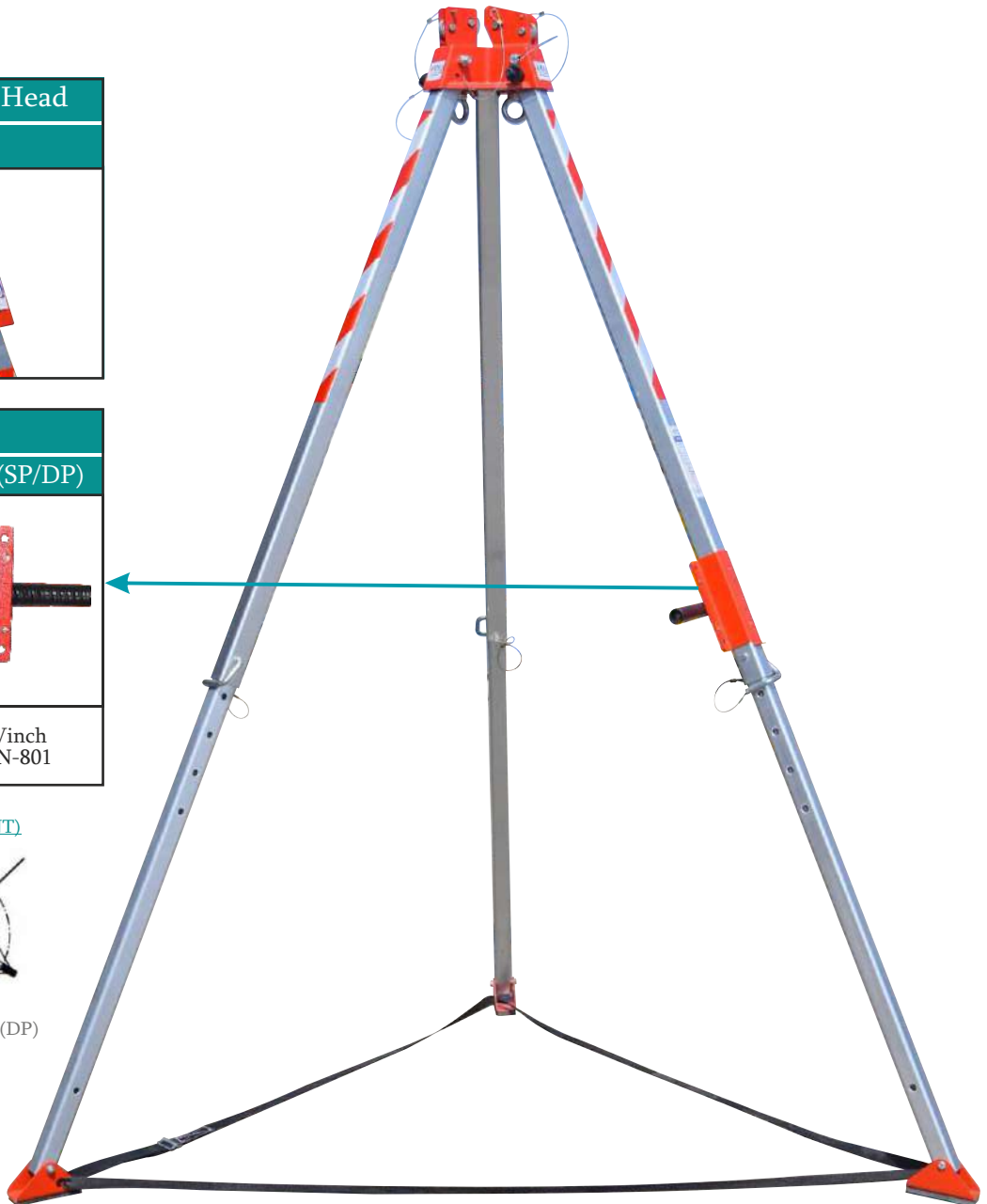
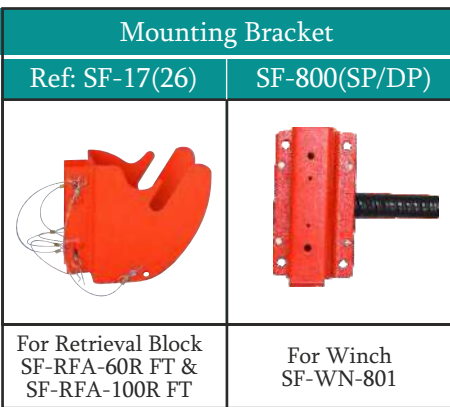


# Double Pulley Tripod

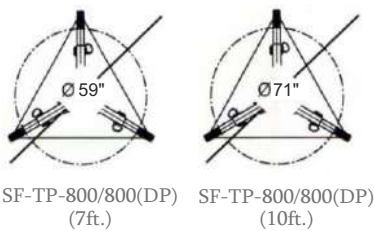
## Ref: SF-TP-800(DP) (7ft. & 10ft.)

- Available in 7ft & 10ft height, the Double Pulley Tripod is equipped with high quality, rugged systems that ensure superior performance.
- Made from Aluminium that makes it extremely light weight and portable, easily set-up by just one worker and can be transported from one work area to another.
- Ideal for confined space entry and emergency rescue applications. Can be used easily with all VIRAJ Winches and fall arrest devices eg. Blocks.
- Consists of pre-installed universal mounting attachments to easily mount the Winch and Retrieval Block when used with SF 17(26) Retrieval Bracket.
- Inner and outer adjustment can be achieved by sliding telescope legs.
- Can be used with all the Winches SF-WN-801(65), SF-WN-801(82), SF-WN-801(100) and SF-WN-801(130), and Retrieval Fall Arrester Blocks SF-RFA-60R FT and SF-RFA-100R FT with the help of their universal mounting brackets for Winches and Retrieval Blocks respectively.
- 2 auxiliary eye bolt for easy overhead anchorage.
- Comes with a study bag to pack.

LENGTH	SPECIFICATION	COMPLIANCE
7 ft.	<ul style="list-style-type: none"> <li>Fully adjustable telescopic legs, adjustable height from 45.27" to 84.65".</li> <li>Wheelbase (Footprint) : 59" Diameter.</li> <li>Weight : 28 lbs appx.</li> <li>Maximum load capacity : 500 kgf.</li> </ul>	ANSI Z359.18-2017
10 ft.	<ul style="list-style-type: none"> <li>Fully adjustable telescopic legs, adjustable height from 78.80" to 114.17".</li> <li>Wheelbase (Footprint) : 71" Diameter.</li> <li>Weight : 33 lbs appx.</li> <li>Maximum load capacity : 500 kgf.</li> </ul>	



### TRIPOD WHEELBASE (FOOTPRINT)





**COMBO SET OFFER**



**ABOVE SET CONTAINS**



**(01)**  
Tripod 7FT or 10FT  
Double Pulley Head  
SF-TP-800(DP)



**(03)**  
Mounting Bracket  
for Retrieval Block  
SF-17(26)



**(05)**  
Mounting Bracket  
for Winch  
SF-800(SP/DP)



**(02)**  
Retrieval Block  
SF-RFA-60R FT or  
SF-RFA-100R FT  
(Page Ref:- 46)



**(04)**  
Winch  
SF-WN-801  
65 FT or 130 FT



**(06)**  
Tripod Bag  
SF-KB-904



Meet & applicable ANSI Standards

ANSI Z359.4-2013, ANSI Z359.1-1992 & ANSI Z117.1-1995

## Winch

### Ref: SF-WN-801

- To be used for raising or lowering of personnel or material into confined spaces.  
Galvanized steel wire rope of 3/16"
- Equipped with bolting fixture for robust fitting on to the tripod SF-TP-800
- Lifting load Capacity : 310 lbs.
- Wire length : 65 Ft, 82 Ft, 100 Ft & 130 Ft.
- As per 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 S.S. wire rope instead of galvanized rope.



Model	Length	Weight
SF-WN-801 (65)	65 Ft	18.055 lbs
SF-WN-801(82)	82 Ft	19.180 lbs
SF-WN-801(100)	100 Ft	23.809 lbs
SF-WN-801 (130)	130 Ft	26.014 lbs

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



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



Double Pulley  
With single side attachment  
Ref: SF-FAP-1013



Turn Locking Karabiner  
Ref: SF-1101 A  
also available in captive eye pin  
SF-1101A(C)



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

## TRIPOD KIT BAG



SF-KB-904



SF-KB-905

## TRIPOD HEAD SHADE OPTIONS

(MOQ: 100 Each Shade)



Red



black



Green



Yellow



Blue



## ROOF-TOP SAFETY KIT

### Ref : SF-FAP-RTSB-25 (D) & SF-FAP-RTSB-50 (D)

- ✦ 5 Point Full Body Harness our Ref. SF-FAP-155-2D with Pass Thru Buckles.
- ✦ Roof Anchor our Ref. SF-11 .
- ✦ 25ft & 50ft. length Vertical Life Line made of 5/8" dia P.P. Rope our Ref. SF-FAP-30201(50) having Steel Snap Hook (SF-1406) at one end & Stop knot at the other end.
- ✦ Rope Grab with Shock Pack our Ref. SF-FAP-30002(6) compatible with the Life line.
- ✦ Meets or Exceeds ANSI standards Harness complines to ANSI Z359.11-2014, VLA complines to ANSI Z359.1-2007, & Anchor complines to ANSI Z359.18-2017
- ✦ Weight : 19.14 lbs for 25ft & 25.93 lbs for 50ft.



SF-FAP-155-2D



SF-KB-907



SF-11



+



SF-FAP-30201(50)+SF-FAP-30002(6)

### Ref : SF-FAP-RTSB-25 (E) & SF-FAP-RTSB-50 (E)

- ✦ 5 Point Full Body Harness our Ref. SF-FAP-155-1D with Pass Thru Buckles.
- ✦ Roof Anchor our Ref. SF-11.
- ✦ 25ft & 50ft. length Vertical Life Line made of 5/8" dia P.P. Rope our Ref. SF-FAP-30201(25) having Steel Snap Hook (SF-1406) at one end & Stop knot at the other end.
- ✦ Rope Grab with Shock Pack our Ref. SF-FAP-30002(6) compatible with the Life line.
- ✦ Meets or Exceeds ANSI standards Harness complines to ANSI Z359.11-2014, VLA complines to ANSI Z359.1-2007, & Anchor complines to ANSI Z359.18-2017
- ✦ Weight : 19.14 lbs for 25ft & 25.49 lbs for 50ft.



SF-FAP-155-1D



SF-KB-907



SF-11



+



SF-FAP-30201(25)+SF-FAP-30002(6)

## ROOF-TOP SAFETY KIT

Ref : SF-FAP-RTSB-25 (K) & SF-FAP-RTSB-50 (K)

- 5 Point Full Body Harness SF-FAP-155-2D with Pass Thru Buckles.
- Roof Anchor our Ref. SF-11.
- 25ft & 50ft Vertical Life line made of 5/8" dia P.P. Rope having Shock Absorber, with Snap Hook SF-1406 at one end & Stop knot at the other end.
- Rope Grab with lanyard our Ref. SF-FAP-30001 compatible with the Life line.
- Meets or Exceeds ANSI standards Harness complines to ANSI Z359.11-2014, VLA complines to ANSI Z359.1-2007, & Anchor complines to ANSI Z359.18-2017
- Weight : 18.68 lbs for 25ft & 25.47 lbs for 50ft.



SF-FAP-155-2D



SF-KB-907



SF-11



+



SF-FAP-30201(50)+SF-FAP-30001

Ref : SF-FAP-RTSB-25 (G) & SF-FAP-RTSB-50 (G)

- 5 Point Full Body Harness our Ref. SF-FAP-155-2G with Tongue Buckles.
- Roof Anchor our Ref. SF-11.
- 25ft & 50ft length Vertical Life Line made of 5/8" dia P.P. Rope our Ref. SF-FAP-30201(25) having Steel Snap Hook (SF-1406) at one end & stop knot on the other end.
- Rope Grab with Shock Pack our Ref. SF-FAP-30002(6) compatible with the Life line.
- Meets or Exceeds ANSI standards Harness complines to ANSI Z359.11-2014, VLA complines to ANSI Z359.1-2007, & Anchor complines to ANSI Z359.18-2017
- Weight : 19.25 lbs for 25ft & 26.04 lbs for 50ft.



SF-FAP-155-2G



SF-KB-907



SF-11



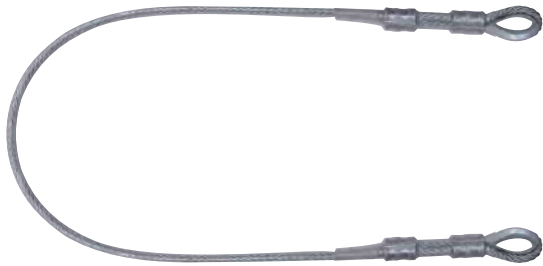
+



SF-FAP-30201(25)+SF-FAP-30002(6)

## ANCHORAGE WIRE ROPE SLINGS

VIRAJ offers a wide range of Anchorage Wire Slings made of Galvanized wire rope PVC Coated, provided in different lengths as per need. The wire rope is looped over a steel thimble over the ends and secured back onto the wire and swaged. The ends of the Wire Rope Slings are also provided with Forged O-ring, or with a Snap Hook as per requirement.

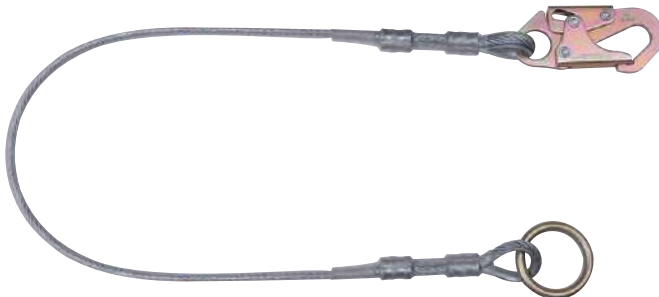


### ANCHORAGE WIRE ROPE SLING

#### Ref. SF-AWS02

- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

Ref. No.	Length	Weight	Description
SF-AWS02 (3ft)	3 ft	1.04 lbs	Anchorage wire rope sling having one side Forged O-ring and other side steel Thimble
SF-AWS02 (4ft)	4 ft	1.18 lbs	
SF-AWS02 (6ft)	6 ft	1.27 lbs	

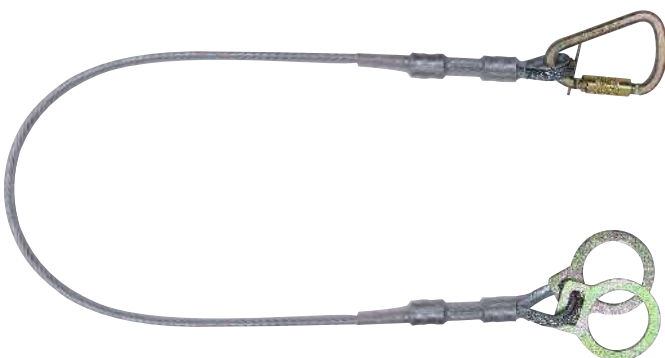


### ANCHORAGE WIRE ROPE SLING WITH BOTH SIDE O-RING

#### Ref. SF-AWS04

- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

Ref. No.	Length	Weight	Description
SF-AWS04 (3ft)	3 ft	1.25 lbs	Anchorage wire rope sling having one side Forged O-ring and other side small O-ring
SF-AWS04 (4ft)	4 ft	1.39 lbs	
SF-AWS04 (6ft)	6 ft	1.48 lbs	



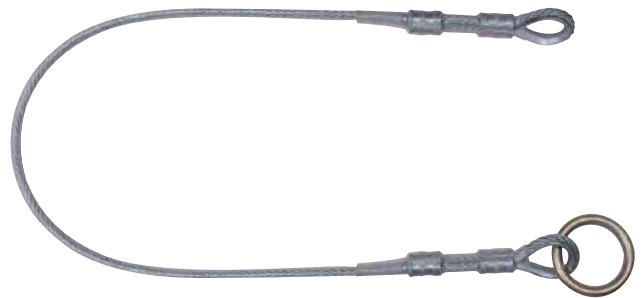
Steel Thimble and Swaged End of the Wire Rope

### ANCHORAGE WIRE ROPE SLING

#### Ref. SF-AWS01

- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

Ref. No.	Length	Weight	Description
SF-AWS01 (3ft)	3 ft	0.75 lbs	Anchorage wire rope sling having both side Steel Thimble
SF-AWS01 (4ft)	4 ft	0.98 lbs	
SF-AWS01 (6ft)	6 ft	1.04 lbs	

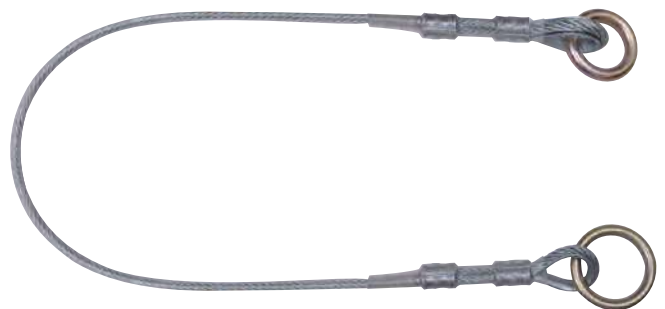


### ANCHORAGE WIRE ROPE SLING WITH HOOK

#### Ref. SF-AWS03

- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

Ref. No.	Length	Weight	Description
SF-AWS03 (3ft)	3 ft	1.92 lbs	Anchorage wire rope sling having one side Forged O-ring and other side Snap Hook SF-1406
SF-AWS03 (4ft)	4 ft	2.07 lbs	
SF-AWS03 (6ft)	6 ft	2.21 lbs	



### ANCHORAGE WIRE ROPE SLING WITH HOOK

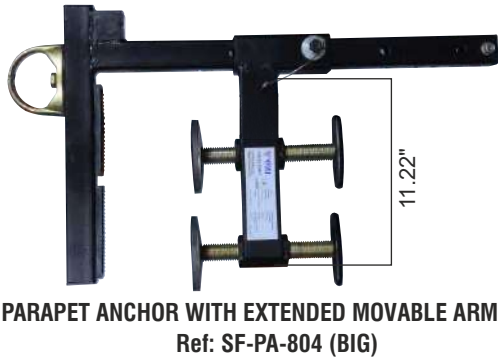
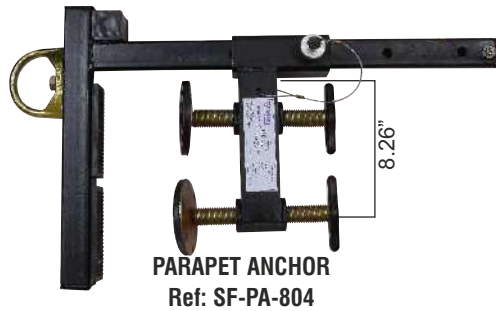
#### Ref. SF-AWS05

- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

Ref. No.	Length	Weight	Description
SF-AWS05 (3ft)	3 ft	1.76 lbs	Anchorage wire rope sling having one side Forged two D-ring and other side one turn locking karabiner with captive pin
SF-AWS05 (4ft)	4 ft	1.90 lbs	
SF-AWS05 (6ft)	6 ft	1.98 lbs	



## ANCHORAGES



### BEAM ANCHOR

#### Ref. SF-BA-803

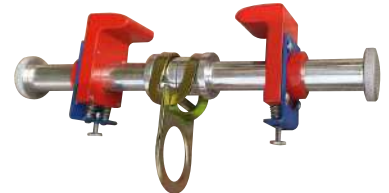
A temporary transportable anchor device provides an anchorage point while being attached safely onto a beam without penetrating it.

The Beam Anchor arm has flanges made of stainless steel, and is adjustable to suit different beam sizes. Once installed, the D-ring on the aluminum bar of the beam anchor can be used for connection with a variety of connectors for suitable anchorage.

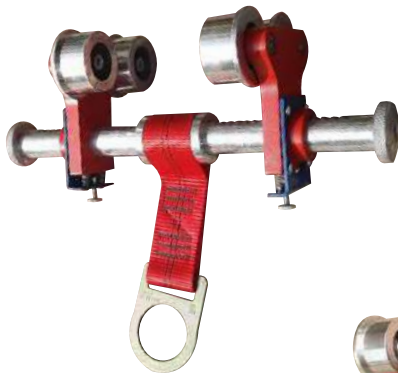
- Material : Aluminium Alloy & stainless steel
- Minimum Breaking strength : 5000 lbs/23kN
- Net Weight : 6.17 lbs ± 0.02 lbs.
- Finish : Beam - Anodized.
- Flanges adjustable from 3.15 to 11.61".
- Conforms to ANSI Z 359.18-2017



Ref. SF-BA-803



Ref. SF-BA-803 M



Ref: SF-BA-803 (T)

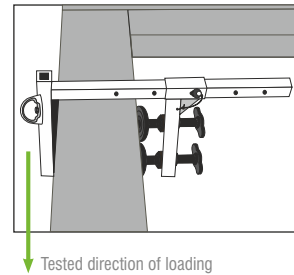


Ref: SF-BA-803 M (T)

### PARAPET ANCHOR

Anchor suitable to be installed on the Parapet of a building such that the Anchor point lies at the top on the outside facade of the building

- Can be Easily Installed on Parapets of Building
- Material: High Strength Alloy Steel
- Finish: Silver/Golden, Yellow Galvanized
- Minimum Breaking (System) Strength: 5000lbs/ 23 kN
- Net Weight: 19.84 lbs ± 0.02 lbs.
- Min. width of the Parapet on which installation possible: 2.36"
- Max. width of the Parapet on which installation possible: 14.17"
- Conforms to ANSI Z 359.18-2017



### BEAM ANCHOR TROLLEY

Provides a movable anchorage point using the length of the beam to which it is mounted to move along with the user.

Highly corrosion resistant and easy to install. Comes with adjustable flanges for use on different beam sizes

This trolley allows continuous safe anchorage by allowing the anchor point to travel across the length of the beam along with the user.

The wheels of the Trolley provide extremely smooth movement over the beam over which it is mounted.

- Material : Aluminium Alloy & stainless steel
- Minimum Breaking strength : 5000 lbs/23kN
- Net Weight : 9.27 lbs ± 0.02 lbs.
- Finish : Beam - Anodized.
- Flanges adjustable from 2.99" to 11.81".
- Conforms to ANSI Z 359.18-2017

## ANCHORS

### DOOR JAMB/WINDOW ANCHOR

#### Ref. SF-DA-802

VIRAJ Door Anchor provides a non-intrusive anchor point and can be easily installed inside the interior of a building or window opening enabling the most difficult jobs to get done safely and with confidence.

VIRAJ Door Anchor can be installed by just compressing it against the door or window frame, jamming itself between the two vertical sides.

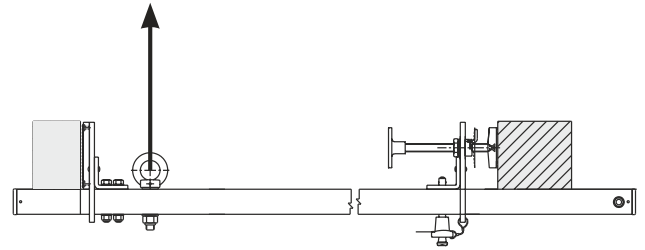
It is constructed of Aluminum alloy, hence is highly corrosion resistant and is light in weight, weighing less than 12.47 lbs ± 0.53 lbs.

The Arms of the VIRAJ Door Anchor are adjustable, enabling installation on door/window frames of width from 23.62" to 49.21". Fast and easy Installation with built in adjustment knob hence no tools or drilling is required.

Extremely portable design for easy transport, storage and usage.

- Minimum Breaking Strength : 5000 lbs
- Every Door Anchor is provided with Door Anchor Bag Ref. SF-KB-906
- Conforms to ANSI Z 359.18-2017

Tested direction of loading



### ROOF ANCHOR

#### Ref. SF-10 & SF-11

- Material: Galvanized Steel with Stamped D-Ring
- Minimum Breaking Strength: 5000 lbs/ 23 kN
- Finish: Powder Coated or Zinc Plated
- Net Weight: 2.390 lbs ± 0.02 lbs
- Conforms to ANSI Z 359.18-2017 TYPE A



SF-10

SF-11

### ANCHORAGE CONNECTOR

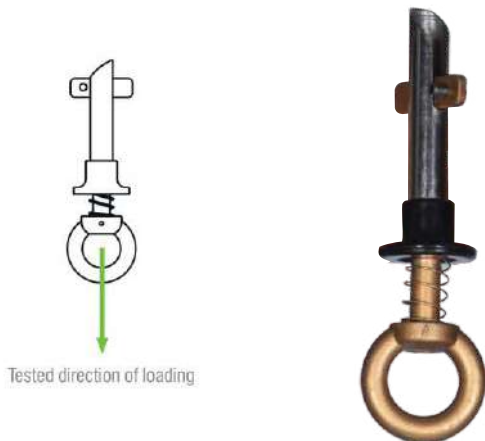
#### Ref. SF-PA-804-03

Anchorage connector is designed to be fixed on walls, ceilings roof top or steel structures

- Material: Galvanized Steel
- Minimum Breaking Strength: 5000 lbs/ 23 kN
- Finish: Silver/Golden, Yellow Galvanized
- Net Weight: 0.992 lbs ± 0.02 lbs
- Conforms to ANSI Z 359.18-2017 TYPE A



## ANCHORS



### GIRDER STEEL ANCHOR

#### Ref. SF-GSA01

Girder Steel Anchor is a removable/reusable Anchor that can be mounted on solid steel structures, Girders and steel I-beam.

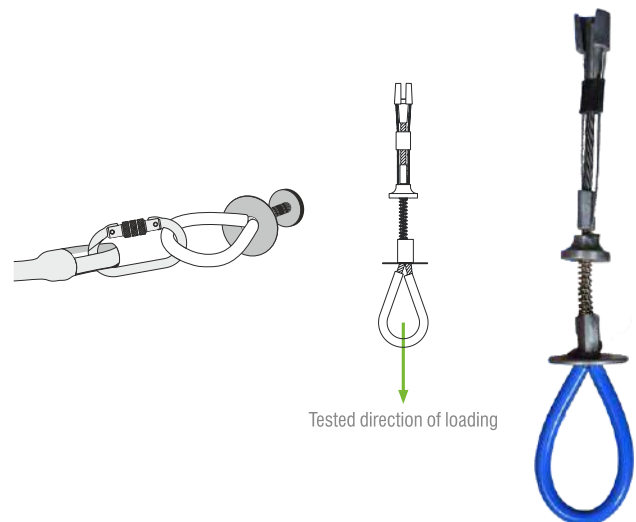
- Material: Stainless Steel & Alloy Steel
- Minimum Breaking Strength: 5000 lbs/ 23 kN
- Net Weight: 1.212 lbs ± 0.02 lbs
- Finish: Eye nut-Galvanised Zinc with Golden / Silver Passivation performed hole of dia 0.82" to 1.18".
- Body – Polished
- Compatible Structure Thickness : 1.57"
- Conforms to ANSI Z 359.18-2017 TYPE A

### CONCRETE ANCHOR

#### Ref. SF-CA01

This Concrete Anchor is extremely easy to install using a single hand, without help of any tools or fasteners, through a pre-defined hole of diameter 0.71" to 0.75", through a drilling depth of 4.3". The flanges are pulled in when the Eye of the anchor is pulled, allowing the anchor to pass through the hole. When the Eye is released, these flanges fan out along the outer part of the concrete wall, and hold the Anchor in its place.

- Material : Stainless Steel.
- Wire : Hot dip galvanized of 0.24" dia.
- Minimum Breaking (System) Strength : 5000 lbs.
- Net Weight : 0.33 lbs ± 0.02 lbs.
- Conforms to ANSI Z359.18-2017.



### SAFE GUARD LEADING EDGE BLOCK

#### Ref. SF-BSG01

SF-BSG01 is a steel rotating guard designed to work with Retractable Fall Arrester guard is used to safeguard Retractable Fall Arrester during horizontal operation during the movement of a user e.g. along the roof edges, rotating together with Retractable Fall Arrester.

Material : Steel, Polyamide  
 Dimensions : 8.86"X16.14"X11.02"  
 Weight : 5.51 lbs.

### EDGE PROTECTOR

#### Ref. SF-EP01

- Edge protector made of stainless steel, protect the rope from abrasion an edge
- The edge Ring-Guides on the angle of the edge-protector keep different rope anchor lines from getting entangled over the edges



## TELESCOPIC POLE SYSTEM

Ref: SF-TSP01

Telescopic Pole is a perfect solution to create overhead anchors at unreachable heights. It is light in weight, made up of Aluminium glass, and can be effectively used to install an anchorage point from a distance.

- The total weight of the Telescopic Pole assembly without the hook is approx. 4.18 lbs , hence can be easily carried.
- Working length with out extension 7 ft to 24 ft.
- Comes with an option of using the Aluminum Anchorage Hook SF-1309 & SF-1310 to anchor at the required distance.



### Aluminium Anchorage Hook (Big)

Ref : SF-1309

Material : Aluminium Alloy

Minimum Breaking Strength : 23kN/5171lbs

Weight : 1.99 lbs

Finish : Anodized

Specification : Width-6.50", Length-14.09"

Meets or exceeds as per ANSI Standards



### Aluminium Anchorage Hook (Small)

Ref : SF-1310

Material : Aluminium Alloy

Minimum Breaking Strength : 23kN/5171lbs

Weight : 1.01 lbs.

Finish : Anodized

Specification : Width-4.33", Length-14.09"

Meets or exceeds as per ANSI Standards



# SAFETY ROPE

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.



# SAFETY ROPE



## STATIC ROPES

Kernmantle ropes with low elongation designed for general use by persons in rope-assisted work activities including all kinds of work positioning and restraint tasks, rescue operations, and caving.

These Ropes can also be manufactured in different shade combinations and pattern as per customer need.

### DIAMOND



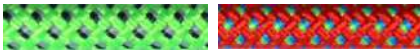
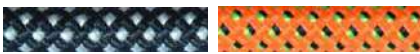
Core  
**Polyamide**

Cover  
**Polyamide**

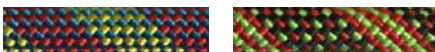
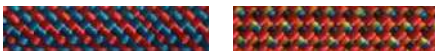
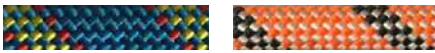
**EN 1891 A** (10-14 mm)

**EN 1891 B** (8 to 9.5 mm)

**Braid : 32** (8.0-11.0 mm)



**Braid : 48** (11.5-20.0 mm)



Our Diamond product portfolio is certified to EN 1891 B (9 mm) or EN 1891 A (10 mm, 10.5 mm and 11 mm). The entire Diamond series is exceptionally appealing because of its low weight and high breaking strength. Due to the high strength and the low danger of cracking, Diamond ropes are the right choice for many different applications. The high-twist 32-strand mantle braid provides for high dirt resistance, better grip and high abrasion protection.

Features:-

High-grade polyamide

Twisted cores

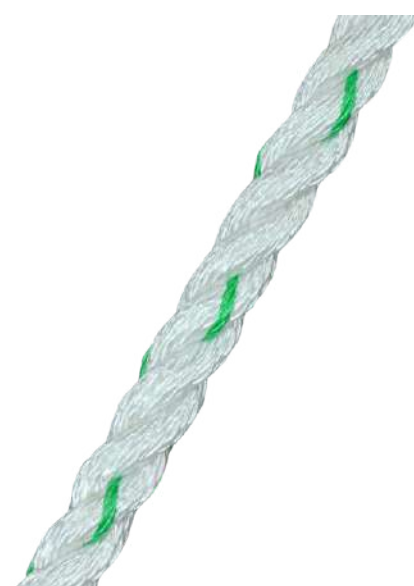
Extra light weight at high minimum breaking load

High-twist 32-strand mantle braid>dirt resistance, good grip and high abrasion protection

High strength

Diameter (mm)	Type	Ref. No.	Elongation	Weight		Min. Breaking Strength		BS with fig. 8 knot		Min. Breaking Strength Sewn	
				(g/m)	(lbs/100')	(daN)	(lbf)	(daN)	(lbf)	(daN)	(lbf)
8.0	B	BC-296	<5%	50.80	3.41	1800	4046	1300	2922	1800	4046
8.5	B	BC-341	<5%	54.26	3.64	1800	4046	1300	2922	1800	4046
9.0	B	BC-297	<5%	57.94	3.89	1800	4046	1300	2922	1800	4046
9.5	B	BC-342	<5%	64.00	4.30	1800	4046	1300	2922	1800	4046
10.0	A	BC-116	<5%	69.58	4.67	2200	4945	1800	4046	2200	4945
10.5	A	BC-304	<5%	75.00	5.04	2200	4945	1800	4046	2200	4945
11.0	A	BC-299	<5%	84.46	5.67	2200	4945	1800	4046	2200	4945
11.5	A	BC-291	<5%	89.50	6.01	2200	4945	1800	4046	2200	4945
12.0	A	BC-300	<5%	94.90	6.38	2200	4945	1800	4046	2200	4945
12.5	A	BC-257	<5%	99.80	6.71	2200	4945	1800	4046	2200	4945
14.0	A	BC-113	<5%	133.62	8.98	2200	4945	1800	4046	2200	4945
16.0	N/A	BC-351	-	175.44	11.79	2200	4945	1800	4046	2200	4945
18.0	N/A	BC-305	-	214.20	14.40	2200	4945	1800	4046	2200	4945
20.0	N/A	BC-307	-	239.70	16.11	2200	4945	1800	4046	2200	4945

### TWISTER



Twister is a 3-strand composite rope, constructed by twisting by three strands of filament polyester around cores of fibrillated polyolefin. The polyolefin keeps the strands firm and round without adding weight, which improves abrasion resistance and handling. The polyester gives Twister its greatest durability, highest strength, lightest weight, and most consistent supple feel over time of any commercially available composite rope.

Features:-

Polyester improves grip and knot holding even when wet

Cores of fibrillated polyolefin keep strands firm and round, enhancing knot holding and hand

Available in sizes 4.0 to 22.0 mm

Easy to splice

Consistently supple feel over the service life of the rope

great for natural crotch rigging

Diameter (mm)	Ref. No.	Elongation	Weight		Min. Breaking Strength	
			(g/m)	(lbs/100')	(daN)	(lbf)
4.0	TR-209	<5%	11.8	0.79	290	652
6.0	TR-210	<5%	27.0	1.80	555	1250
8.0	TR-211	<5%	48.0	3.22	830	1860
10.0	TR-212	<5%	70.0	4.70	1780	4000
12.0	TR-104	<5%	105.0	7.02	2270	5100
14.0	TR-105	<5%	130.0	8.70	3120	7014
16.0	TR-106	<5%	175.0	11.76	3780	8500
18.0	TR-315	<5%	215.0	14.44	4000	8995
20.0	TR-352	<5%	240.0	16.14	4490	10100
22.0	TR-308	<5%	266.0	17.88	5780	13000

Material  
**Polyester**

**Braid : 3**



# DYNAMIC ROPES

Dynamic lines are the standard for situations where a fall is likely. They are designed to offer a stable rope with high-energy absorption. This reduces the impact forces on the climber. Each of our climbing lines offers superior abrasion resistance and high durability.

These Ropes can also be manufactured in different shade combinations and pattern as per customer need.



Core  
**Polyamide**  
EN 341:1996

Cover  
**Polyamide**



**Braid : 32**

## VIRAJ DYNAMIC

Our VIRAJ DYNAMIC 9 mm of polyamide can be used as a component for the rescue kits Safety Roll (EN 341 : 1996). The high-twist 32-strand mantle braid provides the rope with high abrasion resistance, dirt resistance and robustness. Since both the core and the mantle are coated, the VIRAJ DYNAMIC 9mm combines a long service life with exceptional grip. The dynamic rope affords more comfort and a low risk of injury. Due to the blue outside coloring, any strain or damage caused by UV light can be easily detected.

Features:-

- High-grade polyamide
- Coated, twisted, heat-treated core > higher robustness, suppleness
- Water-repellent due to coating good grip & ergonomic handling

Diameter (mm)	Ref. No.	Elongation		Weight		Min. Breaking Strength		BS with fig. 8 knot	
		(Dynamic)	(Static)	(g/m)	(lbs/100')	(daN)	(lbf)	(daN)	(lbf)
9.0	BC-399	≤40	≤10	60.0	3.63	1800	4046	1300	2922
9.9	BC-274	≤40	≤10	69.0	4.64	1800	4046	1300	2922
10.2	BC-275	≤40	≤10	72.0	4.84	2200	4945	1800	4046
10.5	BC-363	≤40	≤10	75.0	5.04	2200	4945	1800	4046

## VIRAJ DYNAMIC



Core  
**Polyamide**  
EN 353-2

Cover  
**Polyamide**



**Braid : 48**

The coating of the cover and the core make VIRAJ DYNAMIC 12 mm very supply and water repellent. The highly twined 48-plait cover protects the load -carrying twisted core and strands for ergonomic handling. In a special configuration, VIRAJ DYNAMIC 12 mm is available as an anchor rope certified to EN 353-2 in defined systems and delivered with fashioned terminations at both ends. VIRAJ DYNAMIC 12 mm is also use as a component for fall arrest devices.

Features:-

- High quality polyamide
- Twisted, heat treated core
- Highly twined 48-plait cover > grippy, dirt resistant, abrasion proof

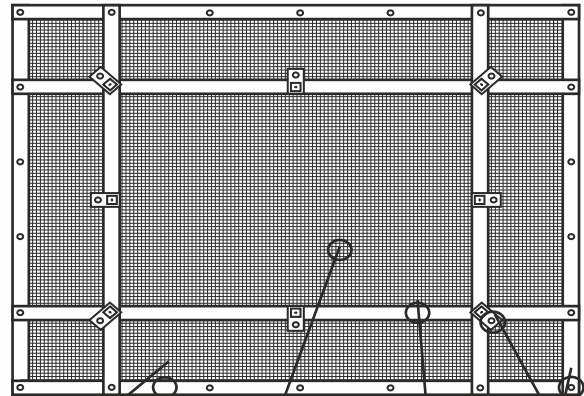
Diameter (mm)	Ref. No.	Elongation		Weight		Min. Breaking Strength		BS with fig. 8 knot	
		(Dynamic)	(Static)	(g/m)	(lbs/100')	(daN)	(lbf)	(daN)	(lbf)
11.0	BC-289	≤40	≤10	84.5	5.68	2200	4945	1800	4046
12.0	BC-373	≤40	≤10	95.0	5.91	2200	4945	1800	4046





# CARGO NET/RESTRAINT SYSTEM

Textile Net made with UV stabilized Polyester webbing and heavy duty rip stop mesh fabric and sturdy Strapping / Lashing ends these Nets are designed to avoid self tangling for easy handling & operations. Conforming to - AS/NZS 4380:2001



Triple layered reinforced edges  
Heavy-duty mesh rip-stop fabric mesh rated at 278 lbs/in.  
1.5 inch Heavy-duty webbing rated at 1,200 lbs/in.  
Multiple grommet anchoring points - Easily adjusts for odd loads

## FEATURES

- 1 - Waterproof.
- 2 - 2425 lbs. Load capacity.
- 3 - PVC resin coated high intensity polyester.
- 4 - Rainstop cover rated 2,700Nm.
- 5 - Mildew proof & Rip proof mesh.
- 6 - Safe & quick instalation
- 7 - UV and fire resistant.
- 8 - Removable LTS pull down with XL hooks.
- 9 - Brass eyelets.
- 10 - Reinforced PP support bands for structural strength.
- 11 - Snap - on hook fastness.
- 12 - Friction free anti tangle finish.



COMPLETE LASHING - 4 NOS



KARABINER & J-HOOK WITH PVC COATING



WEBBING & STITCHING



MESH FABRIC



CAM BUCKLE & GROMMET

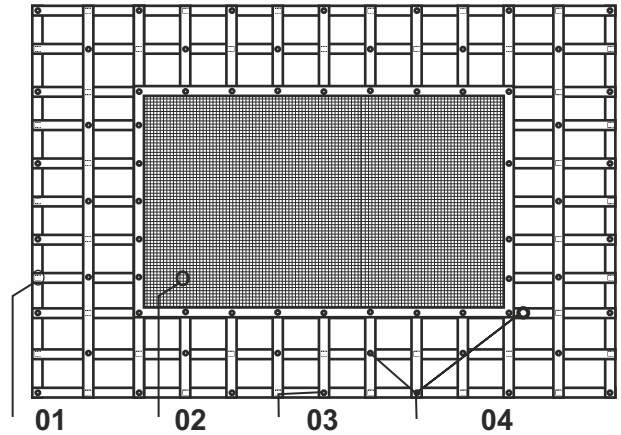


PACKING IN CARTON BOX

## SIZING GUIDE

SPECS	SMALL	MEDIUM	LARGE	XLARGE	XXLARGE
Dimensions	4.75' x 6'	6.75' x 8'	8.75 x 10'	10' x 12'	10.5' x 16'
Mesh Coverage	49"x65"	73"x89"	97"x113"	112"x137"	112"x137"
Eyelets	22	26	34	36	44
Code	SF-SMT-100	SF-MMT-100	SF-LMT-100	SF-XMT-100	SF-XXM-100
Strap Included	4	4	4	4	8
Bed Size	5' Foot	6' Foot	8' Foot	10'-12' Foot	14'-18' Foot

Textile Net made with UV stabilized Polyester webbing and heavy duty rip stop mesh fabric and sturdy Strapping / Lashing ends these Nets are designed to avoid self tangling for easy handling & operations. Conforming to - AS/NZS 4380:2001



- 01 1.5" inch Heavy-duty webbing rated at 1,200 lbs/in.
- 02 Heavy-duty mesh rip-stop fabric rated at 278 lbs per in.
- 03 Triple layered reinforced edges
- 04 Grommet anchoring points-adding straps increase net capacity. Number of anchor points vary with net size

## FEATURES

- 1 - Waterproof.
- 2 - 2425 lbs. Load capacity.
- 3 - PVC resin coated high intensity polyester.
- 4 - Rainstop cover rated 2,700Nm.
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COMPLETE LASHING - 4 NOS



KARABINER & J-HOOK WITH PVC COATING



WEBBING & STITCHING



MESH FABRIC



CAM BUCKLE & GROMMET



PACKING IN BAG

### SIZING GUIDE

SPECS	SMALL	MEDIUM	LARGE	XLARGE
Dimensions	4.75' x 6'	6.75' x 8'	8.75 x 10'	10' x 12'
Mesh Coverage	49"x65"	73"x89"	97"x113"	112"x137"
Eyelets	60	86	110	136
Code	SF-SSW-100	SF-MSW-100	SF-LSW-100	SF-XSW-100
Strap Included	4	4	4	4
Bed Size	5' Foot	6'-7" Foot	8' Foot	10' Foot



# Training Cell

Welcome to Learning Safer World

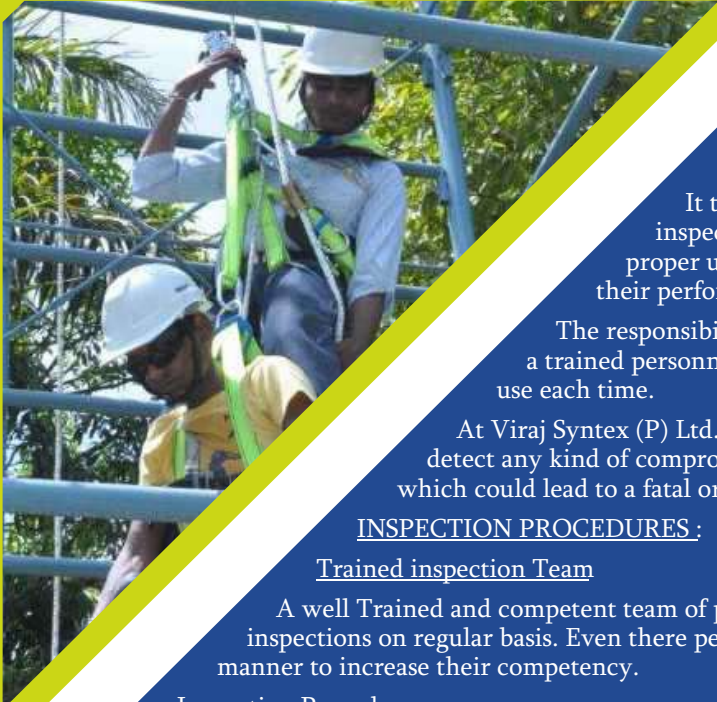


To avoid any fatal injuries at a Construction Site, Proper implementation of Safety measures is becoming increasingly important. This can be easily overcome if proper training is imparted to the workers in respect to the correct method of the usage of Fall Protective Equipment.

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.

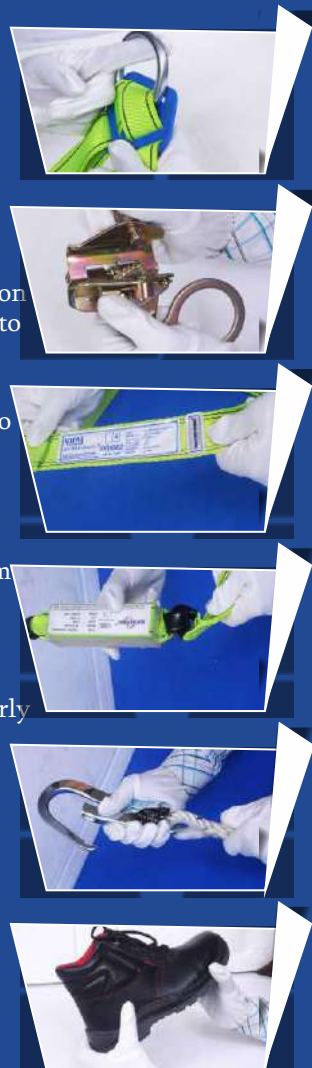
#### Test Reports & Certification

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

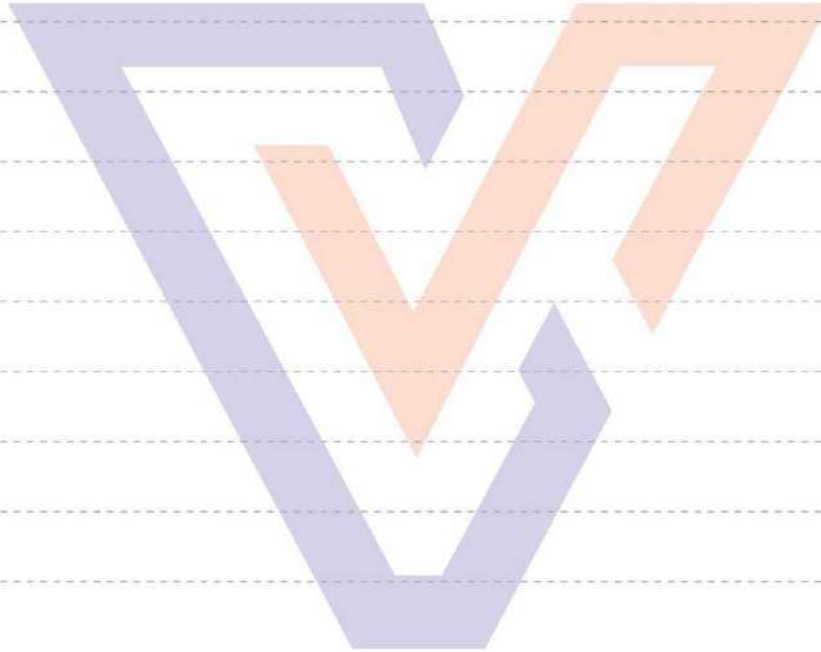
#### Laboratory Testing

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.



# NOTE \_\_\_\_\_



## CONVERSIONS CHART

Unit	Gm	daN	lbs	N	Kg	Ton
1 Kg	1000	0.98	2.2	9.81	0	0.001
1 Gm	0	0.00098	0.0022	0.0098	0.001	0.000001
1 daN	1019.71	0	2.24	10	1.019	0.00101
1 lbf	453.59	0.444	0	4.44	0.45	0.0004535
1 N	101.97	0.1	0.224	0	0.1019	0.000101
1 Ton	1000000	980.66	2204	9806.65	1000	0
1 KN	101971.62	100	0.224	1000	101.97	0.1019
Unit	Meter	Cms	Yard	Foot	Inch	Mile
1 KM	1000	100000	1093.61	3280.84	39370.1	0.621
Unit	Meter	Cm	mm	Dm		
1 INCH	0.0254	2.54	25.4	0.254		
Unit	Meter	Cm	mm	Foot	Inch	Yard
1 Meter	0	100	1000	3.28	39.37	1.093
1 Foot	0.304	30.48	304.8	0	12	0.333

### Abbreviations

Gram = Gm	Kilogram = Kg	Kilometer = KM
Pound = lbs	KiloNewton = KN	Centimeter = Cm
Newton = N	Tonne = Ton	Decimeter = Dm



# VIRAJ SYNTEX (P) LTD.

**An ISO 9001 : 2015 Certified Company**

## WORKS:

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