

VIRAJ SYNTEX (P) LTD.

An ISO 9001 : 2015 Certified Company

ANSI CATALOGUE
2022 - 2023



CELEBRATING
1995 **25** 2020
YEARS
QUALITY | SERVICE | PROFESSIONALISM

 A Government Recognized
Star Export House



INNOVATING SAFETY !!!

www.vsplgroup.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.

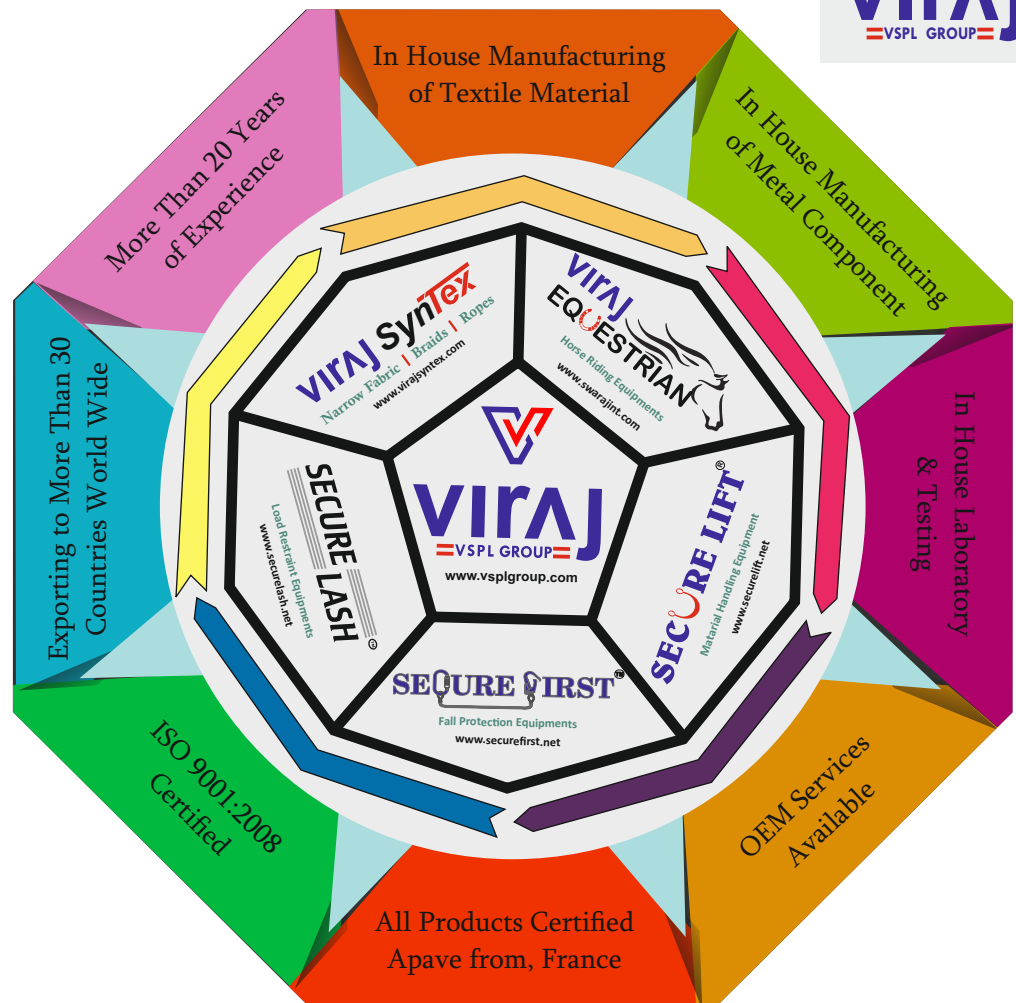
VSPL Group has expanded its marketing horizons in Europe, UK, Asia Pacific, Africa, USA, Australia and Middle East.

VIRAJ SYNTEX PVT. LTD

A name trusted for more than 25Years
An ISO 9001 : 2015 Certified Company
www.vsplgroup.com



KNOW US



OUR BRANDS

Fall Protection Equipment's are being marketed under the name "SECURE FIRST" We have been designing, developing & manufacturing these protective equipment's (An absolute solution in Height Safety & confined space) as per EN 361:2002 standards for body harness/sit harness, EN 354:2002 standards for Lanyards and EN 355:2002 standards for Energy absorbers. .

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

Polyester strapping and One-Way Lashing systems are being marketed under the name "SECURE LASH". Quality of Woven Strap is ensured by the ISO 9001:2015 certification. It is safe, easy to use and offers a cost effective alternative to steel banding and wire ropes.

"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.



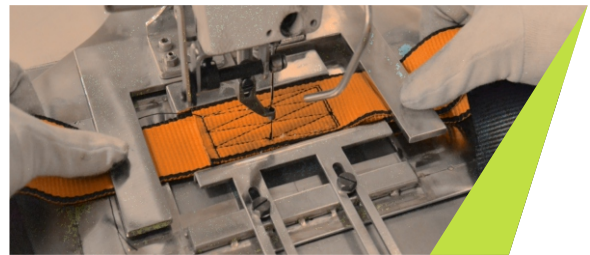
Webbing Dyeing



Weaving Section



Label Stitching



Automatic Stitching



Harness Stitching



Automatic Web Cutting



Kernmantle Rope Making



Braiding Section



Kernmantle Rope Braiding



Twisted Rope Section

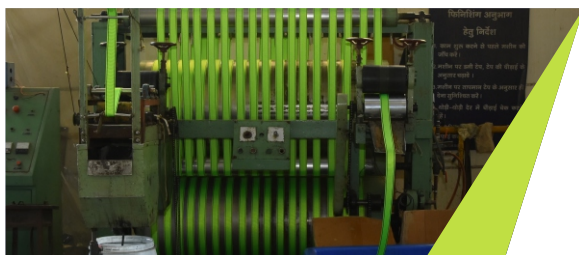
OUR OPERATIONS



Pad Stitching



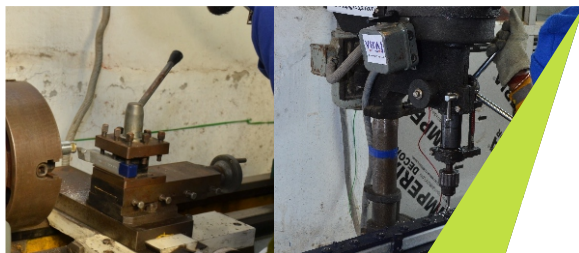
Harness Marking



Webbing Finishing



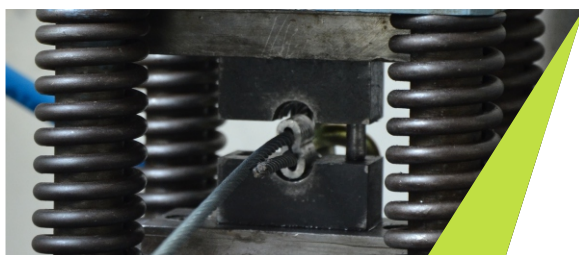
Metal Fitting Inspection



Turning & Drilling



Pneumatic Riveting Machine



Ferule Crimping Machine



Retractable Block Assembly



Tripod Assembly



Winch Assembly



Wire Measuring & Cutting Machine



CNC - Turning Machine



Hydraulic Press Machine - 15 Ton



Power Press Machine - 30, 40 & 50 Ton



Yarn Twisting Machine



Rope Twisting Machine



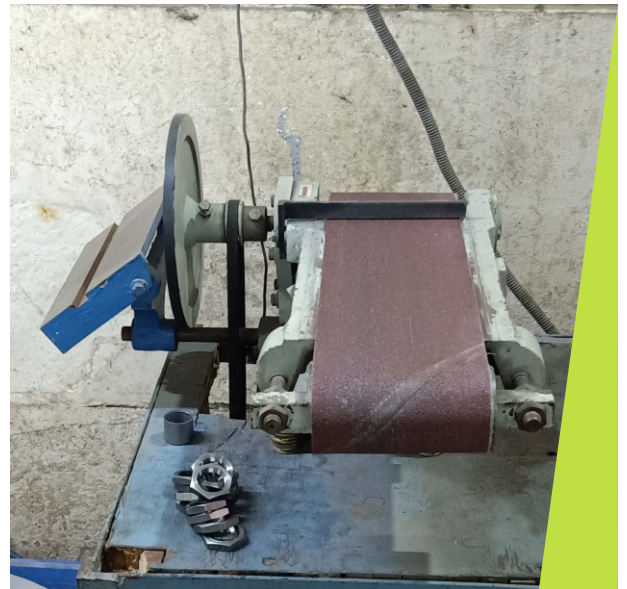
Injection Moulding Machine



Bandsaw Machine



Drill Machine - 01



Pedestal Grinder 01



Riveting Machine



Milling Machine



Surface Grinder Machine



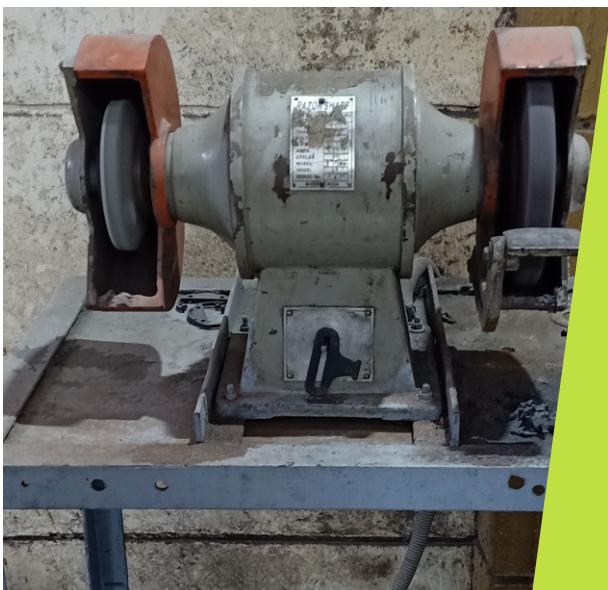
Lathe Machine



Shot Blasting Machine



Vibro Machine



Pedestal Grinder 02



Drill Machine - 02

TESTING PROCEDURES

at **SECURE FIRST™**

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

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



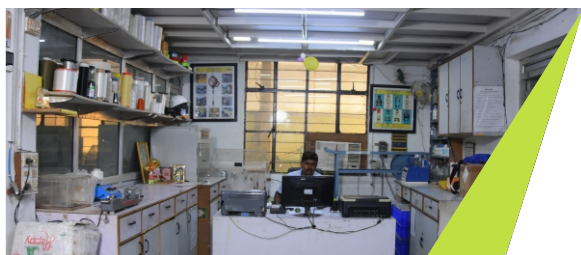
Chemical Zone



Flammability Testing



Block Static Testing



Lab



Static Harness Load Testing



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 - Z359.11-2014 – 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 - Z359.14-2014 – 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

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SECURE LIFT™

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FULL BODY HARNESS

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 Z359.11-2014 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)

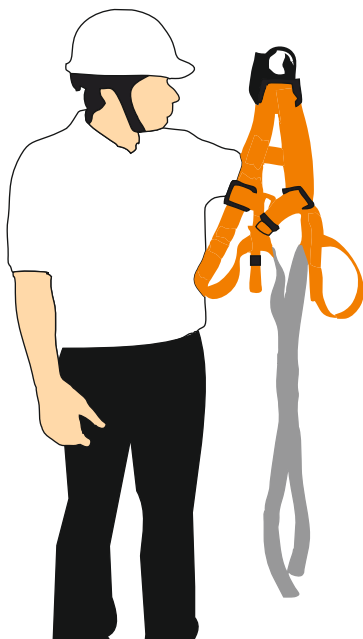
All SECURE FIRST Harnesses are made of In-house dyed High Tenacity Polyester Yarn, imparting high resistance to UV, colour stability to wash & rubbing fastness.

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

- Hold the Harness by the back D-ring, and allow the straps to fall in its place. The Harness has clear and separate colours for the shoulder and thigh straps, for them to be easily distinguished.
- Inspect the Harness webbing for any cuts, burns or damages.
- Check the stitches for their continuity.
- Carefully look for any evidence of corrosion on the metal parts.
- SECURE FIRST Harnesses also give an assurance that the Harness has not been subjected to a fall, if the unique Fall Indicator is still secure on the shoulder straps.

WEARING HARNESS

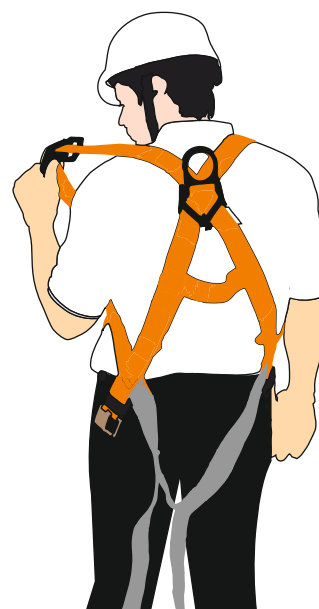
The Harness can be worn by following these simple **steps**



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.

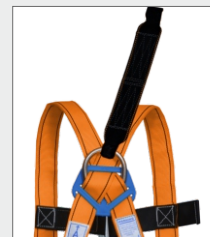


EXTENSION BAND

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.

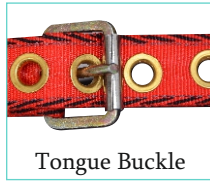


⚠ WARNING - It is advisable to use lanyard of length not above 1.5m with harness equipped with Extension Band.

Meets applicable ANSI, OSHA and CSA Standard
ANSI Z359.11-2014 and CSA 259.10-12



ID Plate



Tongue Buckle



Fall Indicator



Lanyard Keeper



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 Z359.11-2014

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 Z359.11-2014

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



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 5000lbs

Meets or Exceeds ANSI Z359.11-2014

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 Z359.11-2014

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 Z359.11-2014

Equipped with fall Indicator on shoulder strap

Weight : 3.97 lbs.

ANSI



> Ref: SF-FBH-155-3G <

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 Z359.11-2014

Equipped with fall Indicator on shoulder

strap as per CSA Z259.10-12

Weight : 3.53 lbs.



> Ref: SF-FBH-155-4D <

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 Z359.11-2014

Equipped with fall Indicator on shoulder strap

Weight : 3.20 lbs.



> Ref: SF-FBH-155-4G <

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 Z359.11-2014

Equipped with fall Indicator on shoulder

strap

Weight : 3.31 lbs.

HIGHLINE

Meets applicable ANSI, OSHA and CSA
Standard ANSI Z359.11-2014 and
CSA 259.10-12



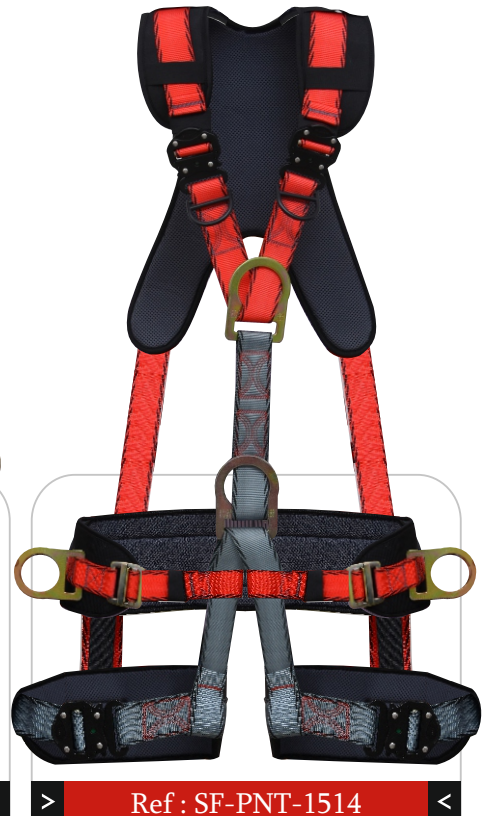
Ref : SF-PNT-1511

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 Z359.11-2014
Weight : 4.19 lbs.



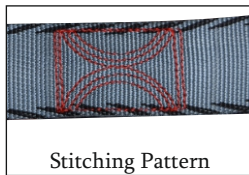
Ref : SF-PNT-1512

Made up of high tenacity polyester 1 Back D-ring for Fall Arrest, and 2 D-rings at the waist level for Positioning 5 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 Z359.11-2014
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 5 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 Z359.11-2014
Weight : 5.96 lbs.



Stitching Pattern



Automatic Buckle



Lateral D-Ring



Label Cover



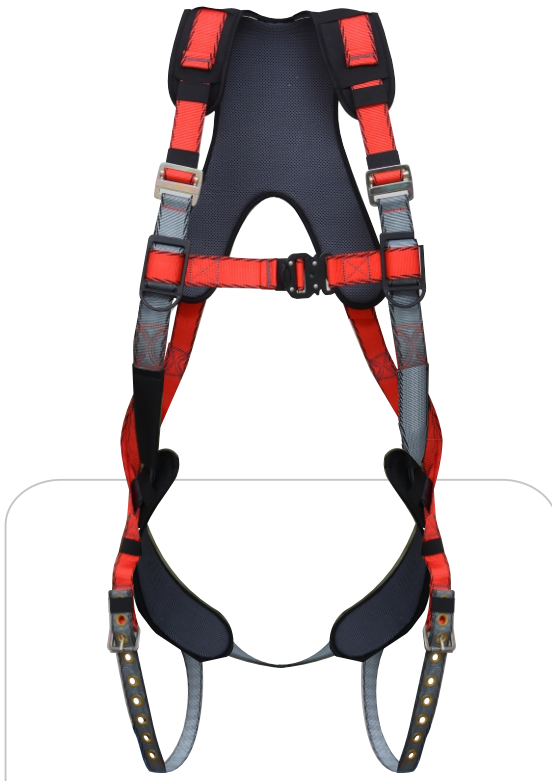
Back Strap



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 Z359.11-2014

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 5 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 Z359.11-2014

Weight : 5.41 lbs.



JACKET HARNESS

Meets applicable ANSI, OSHA and CSA Standard
ANSI Z359.11-2014 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 OSHA & ANSI 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 Steel Snap Hook SF-1406 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 Steel Snap Hook SF-1406 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

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.



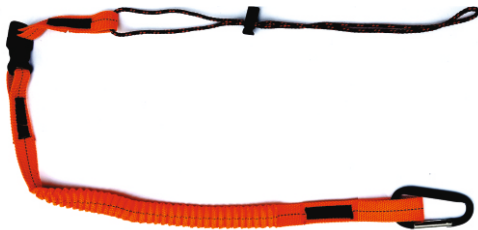
Ref: SF-TL-1001

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



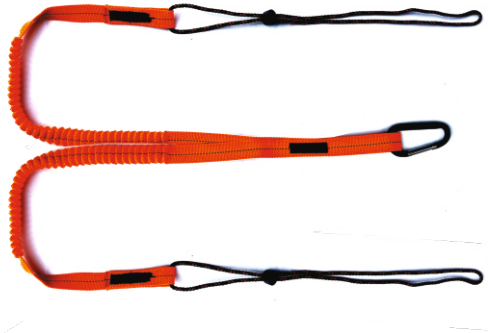
Ref: SF-TL-1002

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)



Also Available in more color and connectors

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.



> 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.



> 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 OSHA & ANSI 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 OSHA & ANSI 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 OSHA & ANSI 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 OSHA & ANSI standards
- ♦ Weight :2.10lbs.

> 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 OSHA & ANSI standards
- ♦ Weight : 2.54lbs.

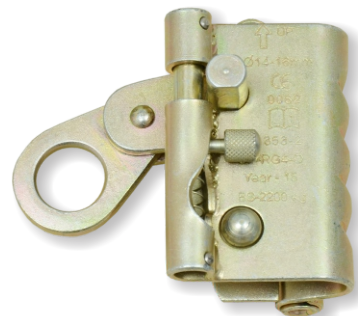
> Ref: SF-FAP-30003 <

- ♦ 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 OSHA & ANSI standards
- ♦ Weight : 2.32 lbs.



> Ref: SF-RG4 <

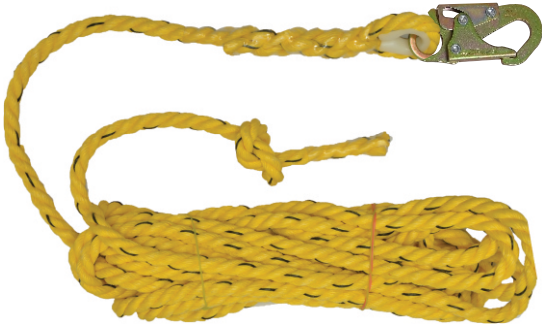
For use on a 5/8" Anchorage Line of Polyester Twisted Rope.
Gravity Locking System
Double Security Locking System
Meets and applicable ANSI & OSHA standards



> 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 OSHA & ANSI 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 OSHA & ANSI 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 OSHA & ANSI 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 OSHA & ANSI 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.



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

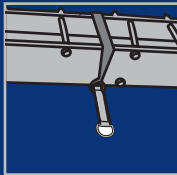
Ref: SF-ES-8005

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

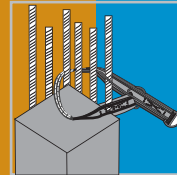
Ref: SF-ES-8005 N

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.



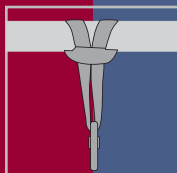
ANCHORAGE WEBBING SLING

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

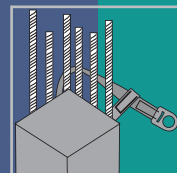
Ref: SF-ES-8011

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.



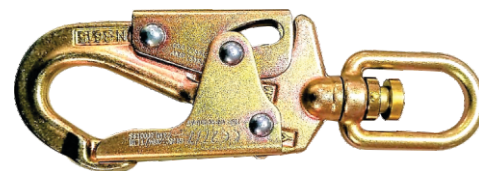
Steel Quarter Turn-locking Karabiner Ref. SF-1103 A

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 0.84"
- † Minimum Breaking Strength: 9000 lbs
- † Finish: Galvanized with Golden Yellow/Silver passivation
- † Net weight: 0.58 lbs ± 0.02 lbs
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009 & CSA Z259.12



Steel Triple-Action locking Karabiner Ref. SF-1104 A

- † Gate Strength: 3600 lbs
- † Material: High Strength Alloy Steel
- † Gate Opening: 0.84"
- † Minimum Breaking Strength: 9000 lbs
- † Finish: Galvanized with Golden Yellow/Silver passivation.
- † Net weight: 0.56 lbs ± 0.02 lbs
- † Proof Load Tested
- † Conforms to ANSI Z 359.12-2009 & CSA Z 259.12



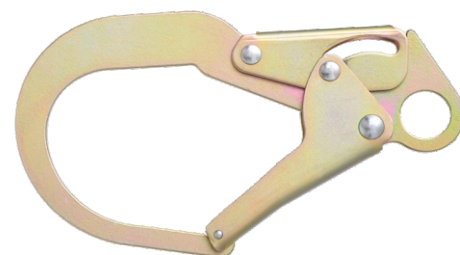
Steel Swivel Snap Hook with Load Indicator Ref. SF-1404

- † 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



Material: Galvanised Steel

Cut & Abrasion Resistant

Construction on 7X19

Wire Dia: 4.8mm

Wire BS: 21 kN (Min)

Static Load: 12 kN (Min)

Option of SS Wire Available



Wire Rope Feature

Material: UHMPE

Cut & Abrasion Resistant

Web Width: 24mm

Web BS: 20 kN (Min)

Static Load: 15 kN (Min)

Web Thickness: 1.95mm

Web Finish: UV Stabilized

Web Shade: Black & Option of Red, Blue & Orange



Webbing Feature

SELF RETRACTABLE LIFELINE (SRL/BLOCK)

TESTING AT VIRAJ



HOT CONDITIONING



COLD CONDITIONING



STATIC TESTING



DYNAMIC TESTING



ARTIFICIAL RAIN TEST



HARDNESS TESTING



SALT SPRAY TESTING

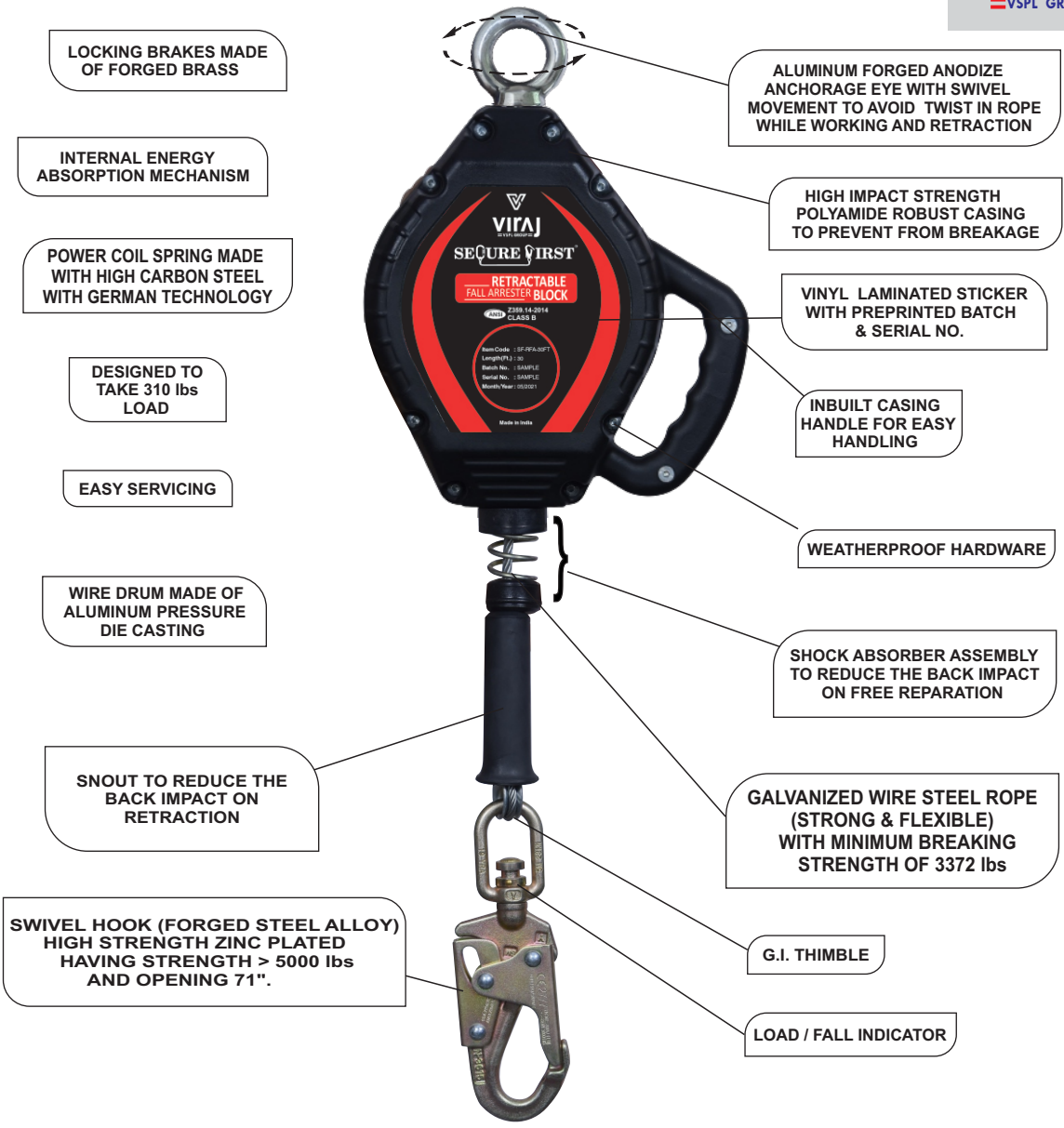


COATING TEST



ON-LINE FUNCTION TEST

VIRAJ ADVANTAGE



LOCKING BRAKES MADE OF FORGED BRASS

INTERNAL ENERGY ABSORPTION MECHANISM

POWER COIL SPRING MADE WITH HIGH CARBON STEEL WITH GERMAN TECHNOLOGY

DESIGNED TO TAKE 310 lbs LOAD

EASY SERVICING

WIRE DRUM MADE OF ALUMINUM PRESSURE DIE CASTING

SNOUT TO REDUCE THE BACK IMPACT ON RETRACTION

SWIVEL HOOK (FORGED STEEL ALLOY) HIGH STRENGTH ZINC PLATED HAVING STRENGTH > 5000 lbs AND OPENING 71".

ALUMINUM FORGED ANODIZE ANCHORAGE EYE WITH SWIVEL MOVEMENT TO AVOID TWIST IN ROPE WHILE WORKING AND RETRACTION

HIGH IMPACT STRENGTH POLYAMIDE ROBUST CASING TO PREVENT FROM BREAKAGE

VINYL LAMINATED STICKER WITH PREPRINTED BATCH & SERIAL NO.

INBUILT CASING HANDLE FOR EASY HANDLING

WEATHERPROOF HARDWARE

SHOCK ABSORBER ASSEMBLY TO REDUCE THE BACK IMPACT ON FREE REPERATION

GALVANIZED WIRE STEEL ROPE (STRONG & FLEXIBLE) WITH MINIMUM BREAKING STRENGTH OF 3372 lbs

G.I. THIMBLE

LOAD / FALL INDICATOR

- ★ As Per EN 360:2002; Vg11 RFU # 11.060
- ★ As Per ANSI Z359:14-2014 And Horizontal Usage ANSI Z359:14-2014 SRL-LE
- ★ Wire Rope Blocks Available In Length Of 3.5 Mtr. to 30 Mtr./10 Ft. To 100 Ft.
- ★ Webbing Rope Blocks Available In Length of 2 Mtr. to 12 Mtr./ 6 Ft. To 40 Ft.
- ★ Compact Dimensions and Light/weight for Easy Handling of Unit.
- ★ Atex Certified For Use In Potentially Explosive Atmosphere As Per Directive 94/9/EC

Determining the Required Fall Clearance of self Retracting Life Line

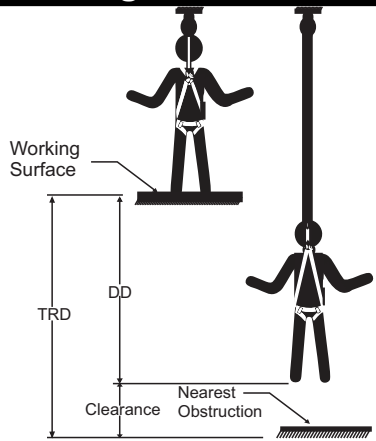
$DD + Clearance = TRD$ (Total Required Distance)

As per AS/NZS 1891.4, DD can be estimated at 700mm, 250mm must be added for D-Ring slide

TRD = Total Required Distance Below Working Surface to Nearest Obstruction

DD = Free Fall, Lock Off and Deceleration (1.4m max) + D-Ring Slide and Harness Stretch (0.25)

C = Clearance to Obstruction During Fall Arrest (1.0m minimum safety factor required)



Introducing **TALON-MINI (SRL)**



The Lightest Self Retractable Life Line (SRL) in its range

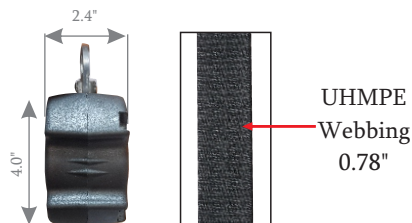
With **tough & long-lasting** casing, this **TALON-MINI** is extremely light in weight & **easy to carry**. It is made up of finest material for **durability** and **Comprehensive use**.



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" UHMPE webbing has a Tensile strength In excess of 4496lbs, 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 | > 3000 lbs |
| Weight | 2.866 lbs |
| Compliance | As per Z359.14-2014 |



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)



Steel Snap Hook (SF-1406)



Aluminium Bulb Type Hook (SF-512)



Aluminium Karabiner Tipline Lock with Swivel (SF-1115)



Aluminium Rebar Hook (SF-1509)



Steel Form Hook (SF-1607)



HOOK/LIFELINE END OPTIONS

NEW

TALON-MINI TWIN Self Retractable Life Line (SRL)

Ref: SF-RFA-2X6W FT

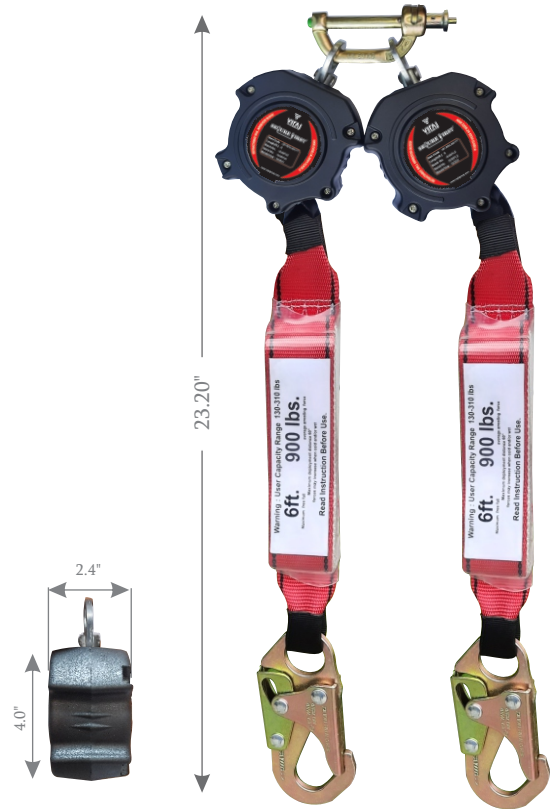
| | |
|------------------|---|
| Material | Housing Features Built-in galvanized steel swivel shackle resists corrosion and prevents twisting of the line. |
| Convenience | 0.78" UHMPE webbing has a Tensile strength in excess of 4496 lbs, Webbing Length : 2.0m with energy absorber & Steel Snap Hook SF-1406. |
| Special Features | Polymer Housing and Drum are Durable and lightweight and Resistant to Corrosion. |
| Weight | 6.052 lbs. |
| Compliance | As per ANSI Z359.14-2014 |

Having a Twin SRL connector reference no- SF-1609 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



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-TWIN Self Retractable Life Line (SRL)

Ref: SF-RFA-2BY6W FT

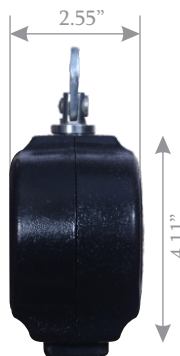
| | |
|---------------------------|---|
| Material | Casing Made up of high strength and sturdy Aluminum Alloy. |
| Convenience | - Comes with a 0.94" Wide UHMPE Webbing (4496lbs). - Includes two Scaffold Hooks SF-1301 at anchorage ends. |
| Special Features | Anchorage Eye with swivel action. Prevents undue twist of rope while working or in the event of a Fall. |
| Use | To be used wherever the user needs a greater freedom of movement and needs to pass obstacles while remaining anchored at all times. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14.2014 |

| Model | Length | Weight(lbs) | End Connector |
|--------------------------|--------|-------------|-------------------------------|
| SF-RFA-2BY6W FT | 6 FT | 5.247 | Swivel Snap Hook (SF-1404) |
| SF-RFA-2BY6W FT (AS) | 6 FT | 5.511 | Aluminum Rebar Hook (SF-1306) |
| SF-RFA-2BY6W FT (RH) | 6 FT | 6.128 | Steel Rebar Hook (SF-1607) |
| SF-RFA-2BY6W FT (1101 A) | 6 FT | 4.894 | Karabiner (SF-1101 A) |

Karabiner also available in captive eye pin SF-1101 A(C)



SF-1404 SF-1607 SF-1101 A



Mini Self Retractable Life Line (SRL)

Ref: SF-RFA-8W FT

- Having a Retractable Webbing of Width 1.85".
- Maximum Length - 8 Ft.
- Has a protective Casing.
- Incorporated with an Energy Absorber for shock absorption.
- Minimum breaking strength 3000lbs.
- As Per Z359.14-2014

| Model | Length | Weight(lbs) | End Connector |
|----------------------|--------|-------------|---------------------|
| SF-RFA-8W FT(1101 A) | 8 FT | 2.560 | Karabiner SF-1101 A |

Karabiner also available in captive eye pin SF-1101 A(C)



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



Self Retractable Life Line (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" (3372 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

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

Self Retractable Life Line (SRL) Polymer Casing with Webbing

Ref: SF-RFA-10W FT

| | |
|---------------------------|--|
| Material | Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible. |
| Convenience | - Comes in 0.94" width UHMPE webbing. (4496 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| Model | Length | Weight(lbs) |
|---------------|--------|-------------|
| SF-RFA-10W FT | 10 FT | 3.968 |



Above models also available in below shades

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

MOQ 100 Nos of each shade & model



Self Retractable Life Line (SRL) Polymer Casing with G.I. Wire/Cable Light Weight

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" (3372 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

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

Self Retractable Life Line (SRL) Polymer Casing with Webbing Light Weight

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 UHMPE webbing. (4496 lbs) - Is provided with Swivel Snap Hook SF-1404 connector with load indicator at attachment end. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| 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 |
| MOQ 100 Nos of each shade & model | | | |





Self Retractable Life Line (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" (3372 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 | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| Model | Length | Weight(lbs) |
|-------------|--------|-------------|
| SF-RFA-15FT | 15 FT | 8.377 |
| SF-RFA-20FT | 20 FT | 8.598 |
| SF-RFA-25FT | 25 FT | 8.928 |
| SF-RFA-30FT | 30 FT | 9.435 |

Self Retractable Life Line (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 UHMPE webbing (4496 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 | > 3000 lbs. |
| Compliance | As per Z359.14-2014 |

| 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 |
|-----|------|--------|--------|

MOQ 100 Nos of each shade & model





Self Retractable Life Line (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" (3372 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 | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| 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 |

Self Retractable Life Line (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 UHMPE webbing (4496 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 | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| 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 |
| MOQ 100 Nos of each shade & model | | | |





Self Retractable Life Line (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" (3372 lbs). |
| Attachment End | Swivel Snap Hook SF-1404 |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| Model | Length | Weight(lbs) |
|-----------------|--------|-------------|
| SF-RFA-60FT (N) | 65 FT | 27.690 |

Self Retractable Life Line (SRL) Polymer Casing With G.I. Wire Rope

Ref: SF-RFA-80FT 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" (3372 lbs). |
| Attachment End | Swivel Snap Hook SF-1404 |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 |

| Model | Length | Weight(lbs) |
|--------------|--------|-------------|
| 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 | | | |





Self Retractable Life Line (SRL) 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 > 3000 lbs.
- ▶ As per Z359.14-2014 Class B and ANSI Z359.14-2014 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 0 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 |

Self Retractable Life Line (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 > 3000 lbs.
- ▶ As per Z359.14-2014 Class B and ANSI Z359.14-2014 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 |
| 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 359.14-2014 and Horizontal usage as per ANSI Z359.14-2014SRL-LE



Self Retractable Life Line (SRL) Polymer Casing with G.I. Wire/Cable & EA

Ref: SF-RFAE-10FT

| | |
|---------------------------|---|
| Material | Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible. |
| Dia of Rope | S.S. Wire/Cable of Dia 7/32" |
| Attachment End | Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft) |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs. |
| Compliance | As per Z359.14-2014 Horizontal usage as per ANSI Z359.14-2014-SRL-LE |

| Model | Length | Weight(lbs) |
|--------------|--------|-------------|
| SF-RFAE-10FT | 10 FT | 5.842 |

Self Retractable Life Line (SRL) Polymer Casing with Webbing & EA

Ref: SF-RFAE-10W FT

| | |
|---------------------------|---|
| Material | Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible. |
| Dia of Rope | Comes in 0.94" width UHMPE webbing (4496 lbs). |
| Attachment End | Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft). |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 Horizontal usage as per ANSI Z359.14-2014-SRL-LE |

| Model | Length | Weight(lbs) |
|----------------|--------|-------------|
| SF-RFAE-10W FT | 10 FT | 4.630 |

Above models also available in below shades

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

MOQ 100 Nos of each shade & model





Self Retractable Life Line (SRL) Polymer Casing With G.I. Wire/Cable & EA

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

| | |
|---------------------------|---|
| Material | Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible. |
| Dia of Rope | S.S. Wire/Cable of Dia 7/32". |
| Attachment End | Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft) |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 Horizontal usage as per ANSI Z359.14-2014-SRL-LE |

| Model | Length | Weight(lbs) |
|--------------|--------|-------------|
| SF-RFAE-15FT | 15 FT | 8.862 |
| SF-RFAE-20FT | 20 FT | 9.060 |
| SF-RFAE-25FT | 25 FT | 9.360 |
| SF-RFAE-30FT | 30 FT | 10.060 |

Self Retractable Life Line (SRL) Polymer Casing With Webbing & EA

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

| | |
|---------------------------|---|
| Material | Casing Made up of high impact strength polymer, to prevent breakage and is nearly indestructible. |
| Dia of Rope | Comes in 0.94" width UHMPE webbing (4496 lbs). |
| Attachment End | Swivel Snap Hook SF-1404 + Energy Absorber SF-FAP-4400(6ft). |
| Anchorage End | Anchorage Eye with swivel action. |
| Minimum Breaking Strength | > 3000 lbs |
| Compliance | As per Z359.14-2014 Horizontal usage as per ANSI Z359.14-2014-SRL-LE |

| Model | Length | Weight(lbs) |
|----------------|--------|-------------|
| SF-RFAE-15W FT | 15 FT | 7.670 |
| SF-RFAE-20W FT | 20 FT | 7.850 |
| SF-RFAE-25W FT | 25 FT | 8.120 |

Above models also available in below shades

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

MOQ 100 Nos of each shade & model



CASING SOLID SHADE OPTIONS



Blue



Red



Orange

CASING DOUBLE COLOR OPTIONS



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(66), SF-WN-801(82), SF-WN-801(98) and SF-WN-801(131), 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"> Fully adjustable telescopic legs, adjustable height from 45.27" to 84.65". Wheelbase (Footprint) : 59" Diameter. Weight : 28 lbs appx. Maximum load capacity : 500 kgf. | ANSI Z359.18-2017 |
| 10 ft. | <ul style="list-style-type: none"> Fully adjustable telescopic legs, adjustable height from 78.80" to 114.17". Wheelbase (Footprint) : 71" Diameter. Weight : 33 lbs appx. Maximum load capacity : 500 kgf. | |

Tripod Double Pulley Head

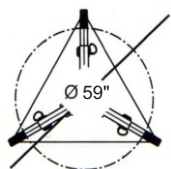
Ref: SF-TP-800



Mounting Bracket

| Ref: SF-17(26) | SF-800(SP/DP) |
|--|---------------------|
| | |
| For Retrieval Block SF-RFA-60R FT & SF-RFA-100R FT | For Winch SF-WN-801 |

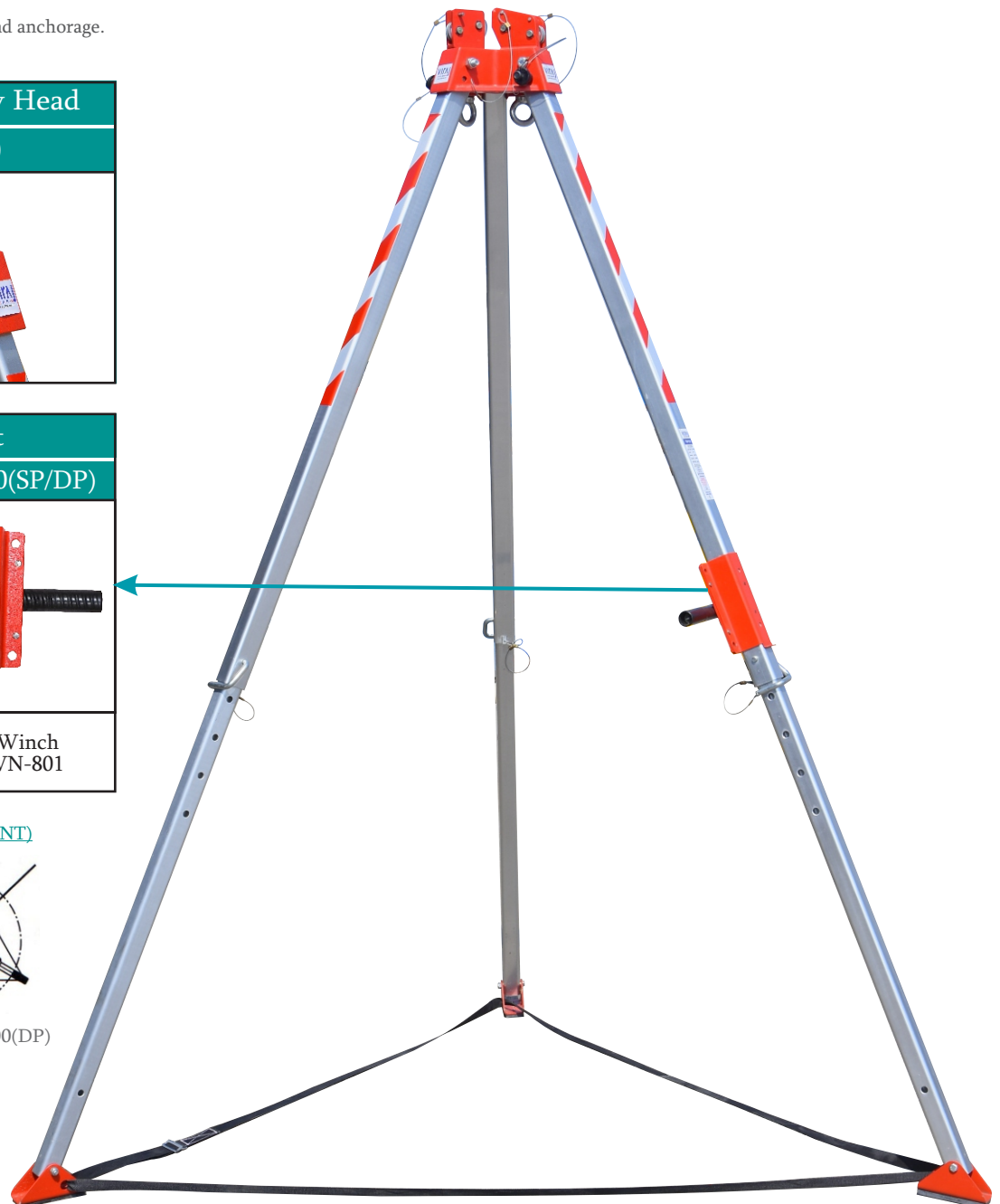
TRIPOD WHEELBASE (FOOTPRINT)



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



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



COMBO SET OFFER

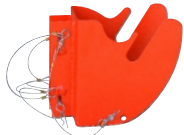
NEW



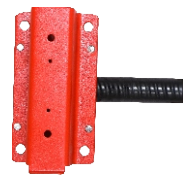
ABOVE SET CONTAINS



(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
66 FT or 98 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 : 66 Ft, 82 Ft, 98 Ft & 131 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(66) | 66 Ft | 18.055 lbs |
| SF-WN-801(82) | 82 Ft | 19.180 lbs |
| SF-WN-801(98) | 98 Ft | 23.809 lbs |
| SF-WN-801(131) | 131 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



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.

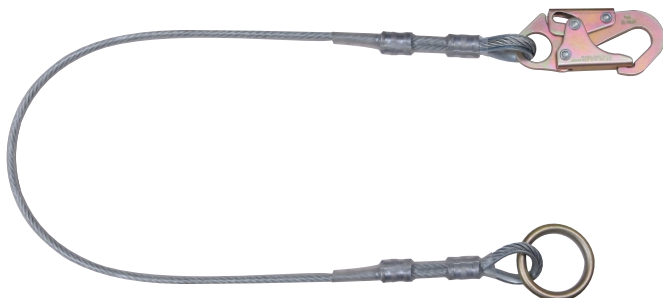


ANCHORAGE WIRE ROPE SLING

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 | |

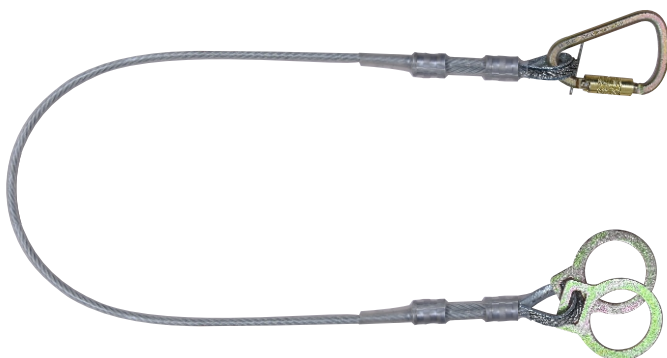


ANCHORAGE WIRE ROPE SLING WITH BOTH SIDE O-RING

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 | |

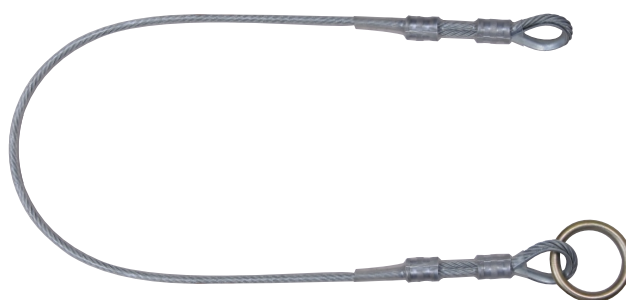


ANCHORAGE WIRE ROPE SLING

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 | |

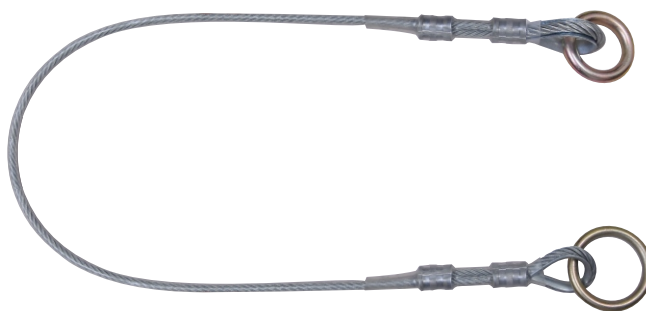


ANCHORAGE WIRE ROPE SLING WITH HOOK

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

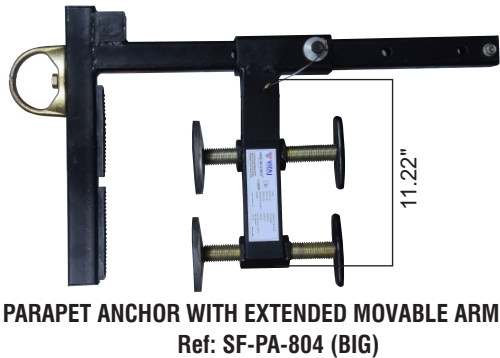
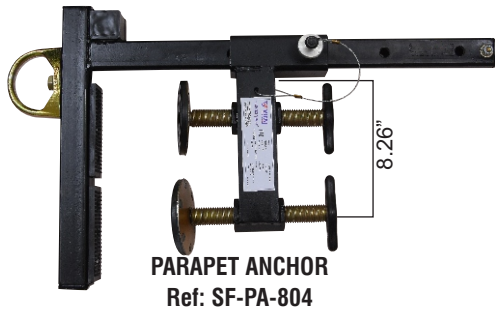
- Made of (5/16") Galvanized PVC Coated Wire Rope
- Meets or Exceeds ANSI Z 359.18-2017 and OSHA
- Available length 3 ft, 4 ft, & 6 ft or as required

| 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 | |



Steel Thimble and Swaged End of the Wire Rope

ANCHORAGES

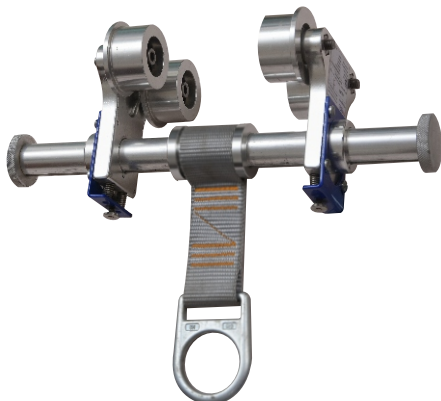


BEAM ANCHOR

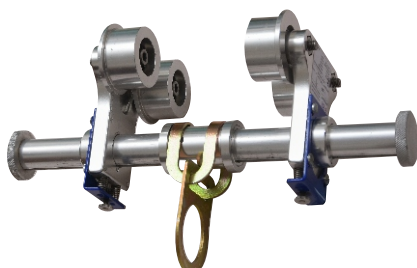
Ref. SF-BA-803

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 (T)

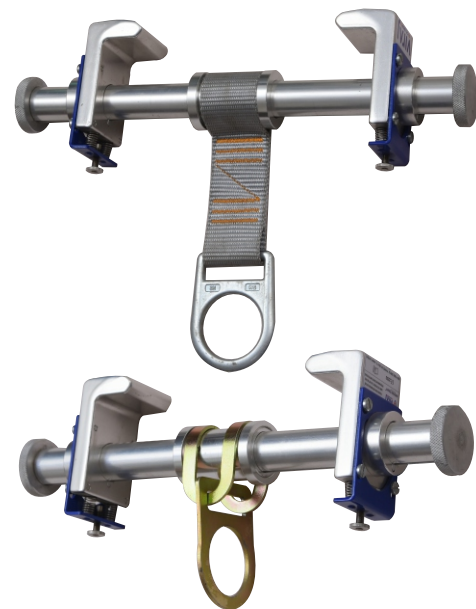
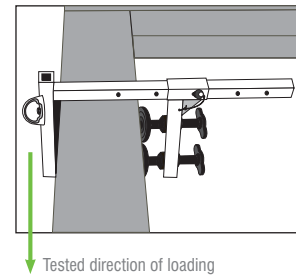


Ref: SF-BA-803 M (T)

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.

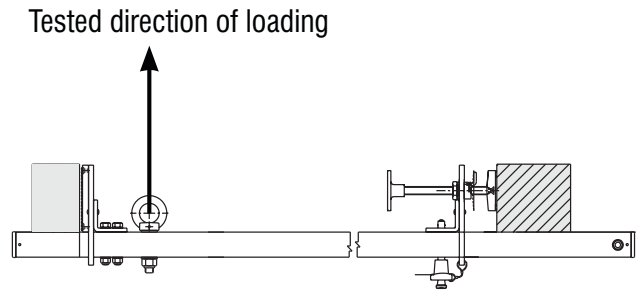
VIRAJ Door Anchor can be installed by just compressing it against the door or window frame, jamming itself between the two vertical sides.

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



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

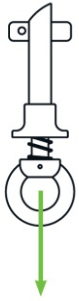
Ref. SF-PA-804-03

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



Tested direction of loading



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.

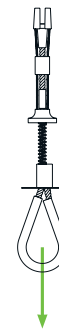
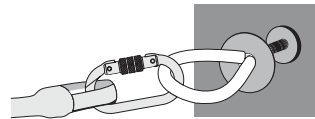
- Material: Stainless Steel & Alloy Steel
- Minimum Breaking Strength: 5000 lbs/ 23 kN
- Net Weight: 1.212 lbs ± 0.02 lbs
- Finish: Eye nut-Galvanised Zinc with Golden / Silver Passivation performed hole of dia 0.82" to 1.18".
- Body – Polished
- Compatible Structure Thickness : 1.57"
- Conforms to ANSI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



Tested direction of loading



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



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.



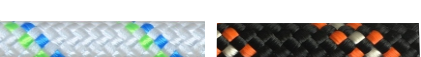
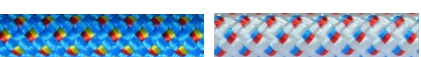
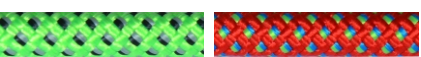
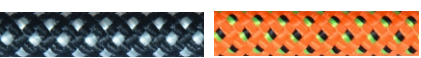
Core
Polyamide

Cover
Polyamide

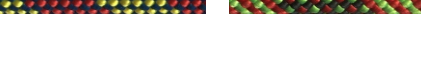
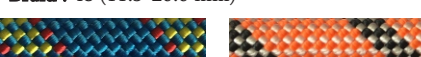
EN 1891 A (10-14 mm)

EN 1891 B (8 to 9.5 mm)

Braid : 32 (8.0-11.0 mm)



Braid : 48 (11.5-20.0 mm)



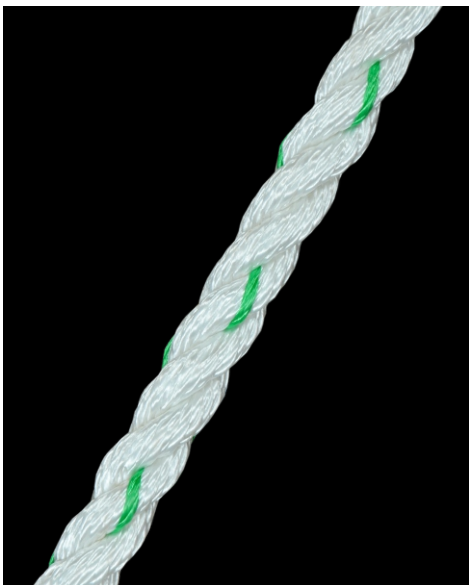
DIAMOND

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 |



Material
Polyester

Braid : 3

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 |



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 |



Core
Polyamide
EN 353-2

Cover
Polyamide



Braid : 48

VIRAJ DYNAMIC

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.

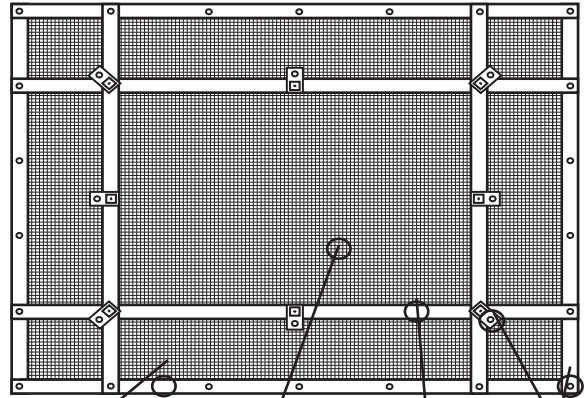
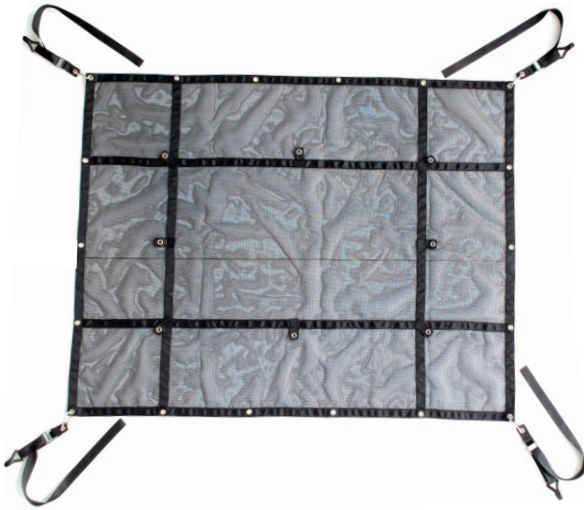
Features:-

- 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.



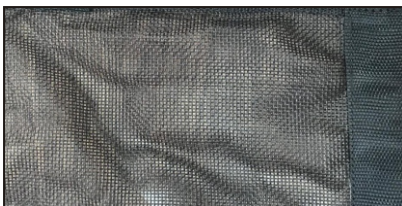
COMPLETE LASHING - 4 NOS



KARABINER & J-HOOK WITH PVC COATING



WEBBING & STITCHING



MESH FABRIC



CAM BUCKLE & GROMMET

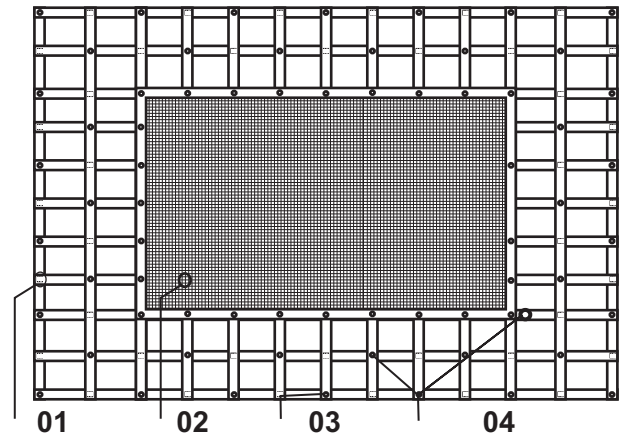


PACKING IN CARTON BOX

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.
- 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.



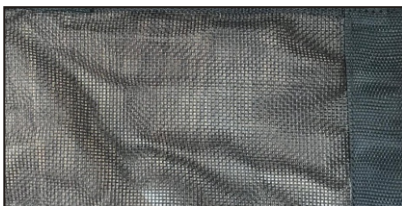
COMPLETE LASHING - 4 NOS



KARABINER & J-HOOK WITH PVC COATING



WEBBING & STITCHING



MESH FABRIC



CAM BUCKLE & GROMMET



PACKING IN 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 |

SECURE LIFT®

Material Handling Equipments

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







SECURE LIFT is heavy duty non metallic sling made of polyester having Eye-loops at the ends. They are available in different lengths and lifting capacities ranging from 1 - 64 Tons.

Polyester web slings are manufactured as per EN 1492-1, IS 15041:2001 and ASME B 30.9 standards.

PROPERTIES

- It is low weight, non corrosive, good resistance to heat, excellent electrical insulation properties and good chemical resistance as per specified standards. Working temperatures ranges -40C to ± 100C.
- It does not have any Fibre Optic Core. It will not create sparks in explosive or hazardous environments.
- The maximum elongation permitted is only 3% at working load limit (WLL).
- Safety Factor available are 7:1, 6:1 and 5:1.
- Each sling carries a tag indicating Batch No., Year of manufacture, WLL Load, Length, Width and Safety Factor.

MAIN FEATURES

- Each lifting sling is high strength, low stretch, colour coded, hard wearing and acid resistance.
- Each lifting slings are shrink packed.
- Each sling is supplied with a unique certificate.
- Identification tag is provided on each sling as per the standard requirements.
- Single ply slings are usually provided with an eye protection.
- All slings can be provided with protective sleeves as per required length.

Codification: Polyester slings are divided into different colours on the basis of their load taking capacity. For eg Yellow colour is for 3 Ton. In addition to the colour, the number of black lines on the slings also indicate its WLL/SWL.



SINGLE PLY SLING

| Item Code | Cap. | Width | Webbing Shade | (Working Load Limit in Tons) | | | | |
|------------|------|-------|---------------|--------------------------------|-------------|-------------|---------------------------------|----------------------------------|
| | | | | Straight Lift | Choked Lift | Basket Lift | | |
| | | | | | | Parallel | $\beta = 0^\circ$ to 45° | $\beta = 45^\circ$ to 60° |
| | | | | | | | | |
| CODE | Ton | MM | SHADE | M=WLLX1.0 | M=WLL X 0.8 | M=WLL X 2.0 | M=WLLX1.4 | M=WLLX1.0 |
| | | | | | | | | |
| SL/1P/0.5T | 0.5 | 25 | VIOLET | 0.5 | 0.4 | 1.0 | 0.7 | 0.5 |
| SL/1P/1T | 1.0 | 50 | GREEN | 1.0 | 0.8 | 2.0 | 1.4 | 1.0 |
| SL/1P/1.5T | 1.5 | 75 | YELLOW | 1.5 | 1.2 | 3.0 | 2.1 | 1.5 |
| SL/1P/2T | 2.0 | 100 | GREY | 2.0 | 1.6 | 4.0 | 2.8 | 2.0 |
| SL/1P/2.5T | 2.5 | 125 | RED | 2.5 | 2.0 | 5.0 | 3.5 | 2.5 |
| SU1P/3T | 3.0 | 150 | BROWN | 3.0 | 2.4 | 6.0 | 4.2 | 3.0 |
| SL/1P/4T | 4.0 | 200 | BLUE | 4.0 | 3.2 | 8.0 | 5.6 | 4.0 |
| SL/1P/5T | 5.0 | 250 | ORANGE | 5.0 | 4.0 | 10.0 | 7.0 | 5.0 |
| SL/1P/6T | 6.0 | 300 | ORANGE | 6.0 | 4.8 | 12.0 | 8.4 | 6.0 |

2PLY / 3PLY / 4PLY / 6PLY / 8PLY SLING

| Item Code | Cap. | Width | Webbing Shade | WLL (Working Load Limit in Tone) | | | | | | | | |
|-------------|------------|-----------|------------------|------------------------------------|--------------------|--------------------|--|---|--|---|--|---|
| | | | | Straight Lift | Choked Lift | Basket Lift | | | Two leg sling | | Three & Four leg sling | |
| | | | | | | Parallel | $\beta = 0^\circ \text{ to } 45^\circ$ | $\beta = 45^\circ \text{ to } 60^\circ$ | $\beta = 0^\circ \text{ to } 45^\circ$ | $\beta = 45^\circ \text{ to } 60^\circ$ | $\beta = 0^\circ \text{ to } 45^\circ$ | $\beta = 45^\circ \text{ to } 60^\circ$ |
| CODE | TON | MM | SHADE | M=WLL X 1.0 | M=WLL X 0.8 | M=WLL X 2.0 | M=WLL X 1.4 | M=WLL X 1.0 | M=WLL X 1.4 | M=WLL X 1.0 | M=WLL X 2.1 | M=WLL X 1.5 |
| SL/2P/1T | 1 | 25 | VIOLET | 1.0 | 0.8 | 2.0 | 1.4 | 1.0 | 1.4 | 1.0 | 2.1 | 1.5 |
| SL/2P/2T | 2 | 50 | GREEN | 2.0 | 1.6 | 4.0 | 2.8 | 2.0 | 2.8 | 2.0 | 4.2 | 3.0 |
| SL/2P/3T | 3 | 75 | YELLOW | 3.0 | 2.4 | 6.0 | 4.2 | 3.0 | 4.2 | 3.0 | 6.3 | 4.5 |
| SL/2P/4T | 4 | 100 | GREY | 4.0 | 3.2 | 8.0 | 5.6 | 4.0 | 5.6 | 4.0 | 8.4 | 6.0 |
| SL/2P/5T | 5 | 125 | RED | 5.0 | 4.0 | 10.0 | 7.0 | 5.0 | 7.0 | 6.0 | 10.5 | 7.5 |
| SL/2P/6T | 6 | 150 | BROWN | 6.0 | 4.8 | 12.0 | 8.4 | 6.0 | 8.4 | 6.0 | 12.6 | 9.0 |
| SL/2P/8T | 8 | 200 | BLUE | 8.0 | 6.4 | 16.0 | 11.2 | 8.0 | 11.2 | 8.0 | 16.8 | 12.0 |
| SL/2P/10T | 10 | 250 | ORANGE | 10.0 | 8.0 | 20.0 | 14.0 | 10.0 | 14.0 | 10.0 | 21.0 | 15.0 |
| SL/2P/12T | 12 | 300 | ORANGE | 12.0 | 9.6 | 24.0 | 16.8 | 12.0 | 16.8 | 12.0 | 25.2 | 18.0 |
| SL/4P/16T | 16 | 200 | BLUE | 16.0 | 12.8 | 32.0 | 22.4 | 16.0 | 22.4 | 16.0 | 33.6 | 24.0 |
| SL/4P/20T | 20 | 250 | ORANGE | 20.0 | 16.0 | 40.0 | 28.0 | 20.0 | 28.0 | 20.0 | 42.0 | 30.0 |
| SL/4P/24T | 24 | 300 | ORANGE | 24.0 | 19.2 | 48.0 | 33.6 | 24.0 | 33.6 | 24.0 | 50.4 | 36.0 |
| SL/4P/30T | 30 | 300 | ORANGE | 30.0 | 24.0 | 60.0 | 42.0 | 30.0 | 42.0 | 30.0 | 63.0 | 45.0 |
| SL/8P/40T | 40 | 250 | ORANGE | 40.0 | 32.0 | 80.0 | 56.0 | 40.0 | 56.0 | 40.0 | 84.0 | 60.0 |
| SL/8P/48T | 48 | 300 | ORANGE | 48.0 | 38.4 | 96.0 | 67.2 | 48.0 | 67.2 | 48.0 | 100.8 | 72.0 |

M = Mode factor for symmetrical loading

WARNING



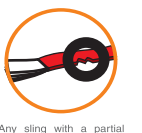
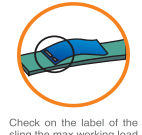
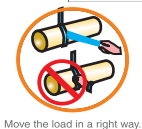
Failure to comply with this warning may result in sling failure and severe personal injury or death.

Sling should be removed from service if any of the following are visible.

- Holes, tears, cuts, snags that expose the core fibres.
- If slings rated capacity tag is missing or not readable.
- If slings has been tied into knots.
- Melting, charring or weld spetter of any part of the slings.
- Acid or alkali burns.
- Broken or worm stitching in the cover that exposes the core fibres.
- Any conditions which cause doubt as to strength of the slings.

OPERATIONAL PRACTICES

- Slings should always be protected from being cut or damaged by corners & edges.
- Slings should be protected from abrasive surfaces.
- Slings should not be loaded in excess of the rated capacity. Consideration should be given to the slings angle, which affects rated capacity.
- Slings used in a basket hitch should have the load balanced to prevent slippage.
- Slings should not be dragged on the floor or over in abrasive surface.
- Slings should not be twisted, shortened, lengthened or tied into knots or joined by knotting.
- Slings should not be pulled from underloads if the load is resting on the slings.
- Slings equipped with metal fittings should not be dropped.
- Slings that appear to be damaged shall not be used unless inspected and accepted by a designated person.
- Personnel, including portions of the human body, shall be kept, from between the slings and the load, and from between the slings and the crane hook or the hoist hook.
- Personnel should not stand under the suspended load.
- Shock loading shall be avoided.
- If applicable, place blocks under load prior to setting down the load to allow removal of the slings.
- Slings should not be used at temperature above 194 F(90 C).
- When a slings is used with a shackle, it is recommended that it be used (rigged) in the bow of the shackle.
- Store slings in a cool, dry and dark place when not in use.



Round Slings are useful for lifting loads of a fragile nature and for those which may be damaged by the harder webbing. These are categorised in three types of Slings- Endless Slings, With Eye-Loop and Twin Path.

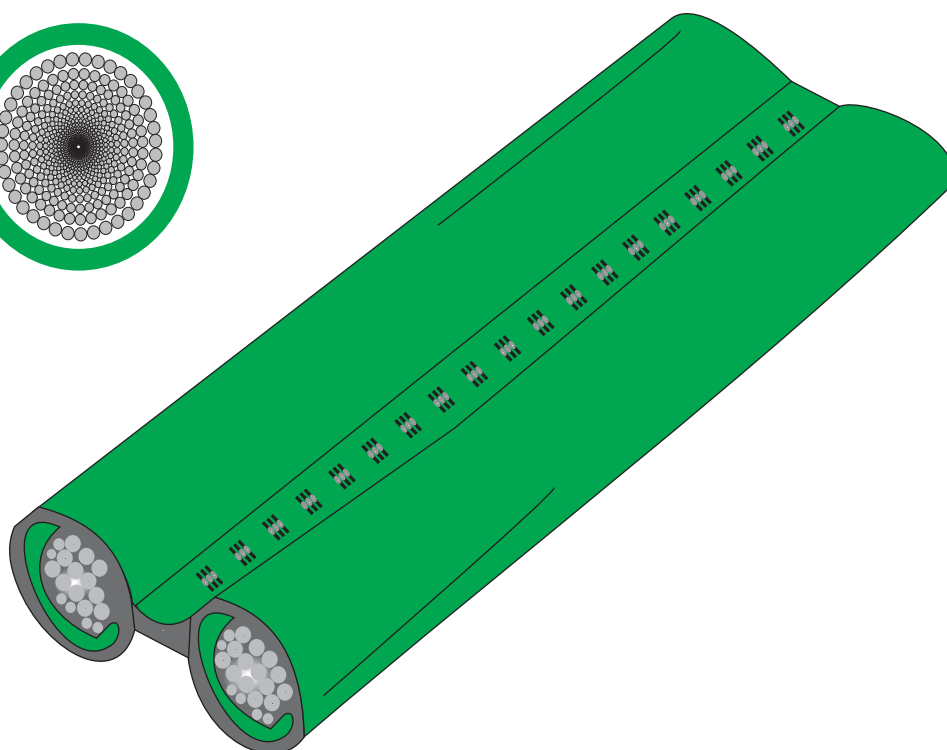
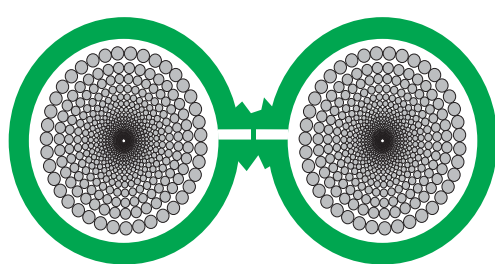


ROUND SLINGS - TWO PATH

Two Path slings are two separate slings in one. Each path makes its own separate connection between the hook and the load and accounts for 50% of the total work load.

They are available in double core for extra abrasive resistance & long life. The load carrying polyester yarn never comes into contact with the load and if the outer cover is damaged, the inner cover provides extra protective sleeve for usage.

Such slings are used worldwide in place of wire rope slings for heavy lifts. They are 80% lighter than steel slings.

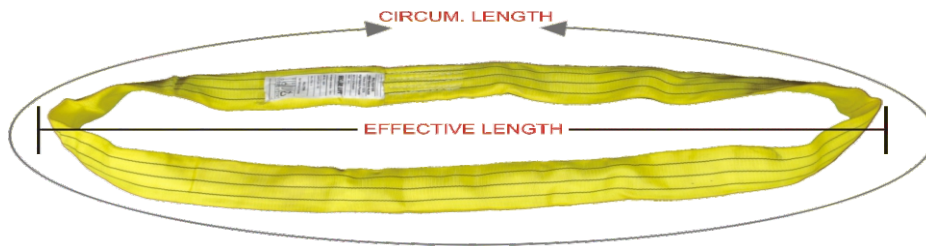


ROUND SLINGS - ENDLESS

Round slings are manufactured as per EN 1492-2 : 2000, IS 15041 : 2001 and ASME B 30.9 standards. The outer cover is a seamless polyester sleeve of double thickness having an excellent abrasion resistance. The core consists of a continuous hank of high tenacity polyester yarn which is strong and durable.

Due to parallel fibres in the core, the stretch experienced with round sling is less than 3% at safe working load (SWL). We manufacture round slings upto 100 tons in regular production. Round sling upto 500 tons can be manufactured on special orders.

Safety Factor - 7:1 (EN 1492 - 1 : 2000), 6:1 (IS : 15041 : 2001) and 5:1 (ASME B 30.9).



Capacity Chart (Round Sling)

| Item Code | Width | Webbing Shade | WLL (Working Load Limit in Ton) | | | | |
|-------------|-------|------------------|-----------------------------------|-------------|-------------|--|---|
| | | | Straight Lift | Choked Lift | Basket Lift | | |
| | | | | | Parallel | $\beta = 0^\circ \text{ to } 45^\circ$ | $\beta = 45^\circ \text{ to } 60^\circ$ |
| | | | | | | | |
| CODE | mm | SHADE | M=WLL X 1.0 | M=WLL X 0.8 | M=WLL X 2.0 | M=WLL X 1.4 | M=WLL X 1.0 |
| SL/PRS/1T | 18 | VIOLET | 1.0 | 0.8 | 2.0 | 1.4 | 1.0 |
| SL/PRS/2T | 20 | GREEN | 2.0 | 1.6 | 4.0 | 2.8 | 2.0 |
| SL/PRS/3T | 22 | YELLOW | 3.0 | 2.4 | 6.0 | 4.2 | 3.0 |
| SL/PRS/4T | 25 | GREY | 4.0 | 3.2 | 8.0 | 5.6 | 4.0 |
| SL/PRS/5T | 27 | RED | 5.0 | 4.0 | 10.0 | 7.0 | 5.0 |
| SL/PRS/6T | 32 | BROWN | 6.0 | 4.8 | 12.0 | 8.4 | 6.0 |
| SL/PRS/8T | 38 | BLUE | 8.0 | 6.4 | 16.0 | 11.2 | 8.0 |
| SL/PRS/10T | 45 | ORANGE | 10.0 | 8.0 | 20.0 | 14.0 | 10.0 |
| SL/PRS/12T | 60 | ORANGE | 12.0 | 9.6 | 24.0 | 16.0 | 12.0 |
| SL/PRS/15T | 70 | ORANGE | 15.0 | 12.0 | 30.0 | 21.0 | 15.0 |
| SL/PRS/20T | 80 | ORANGE | 20.0 | 16.0 | 40.0 | 28.0 | 20.0 |
| SL/PRS/25T | 90 | ORANGE | 25.0 | 20.0 | 50.0 | 35.0 | 25.0 |
| SL/PRS/30T | 100 | ORANGE | 30.0 | 24.0 | 60.0 | 42.0 | 30.0 |
| SL/PRS/36T | 115 | ORANGE | 36.0 | 28.8 | 72.0 | 50.0 | 36.0 |
| SL/PRS/40T | 125 | ORANGE | 40.0 | 32.0 | 80.0 | 56.0 | 40.0 |
| SL/PRS/50T | 180 | ORANGE | 50.0 | 40.0 | 100.0 | 70.0 | 50.0 |
| SL/PRS/75T | 200 | ORANGE | 75.0 | 60.0 | 150.0 | 105.0 | 75.0 |
| SL/PRS/100T | 250 | ORANGE | 100.0 | 80.0 | 200.0 | 140.0 | 100.0 |

M = Mode factor for symmetrical loading

ROUND SLINGS - EYE LOOP

Round Sling (with Eye Loop) is a more durable form of round sling which has an advantage of an additional abrasion-resistant sleeve covering the body of standard round sling, forming two eye loops at the ends. These are easy to use and are well suited to confined spaces.

Round sling with Eye Loops are available in the same sizes and color as standard Round slings.

Safety Factor - 7:1 (EN 1492 - 1 : 2000), 6:1 (IS : 15041 : 2001) and 5:1 (ASME B 30.9).



Capacity Chart (Round Sling - With Eye Loop)

| Item Code | Width | Webbing Shade | WLL (Working Load Limit in Ton) | | | | |
|-------------|-------|------------------|-----------------------------------|-------------|-------------|--|---|
| | | | Straight Lift | Choked Lift | Basket Lift | | |
| | | | | | Parallel | $\beta = 0^\circ \text{ to } 45^\circ$ | $\beta = 45^\circ \text{ to } 60^\circ$ |
| | | | | | | | |
| CODE | mm | SHADE | M=WLL X 1.0 | M=WLL X 0.8 | M=WLL X 2.0 | M=WLL X 1.4 | M=WLL X 1.0 |
| SL/PRS/1T | 18 | VIOLET | 1.0 | 0.8 | 2.0 | 1.4 | 1.0 |
| SL/PRS/2T | 20 | GREEN | 2.0 | 1.6 | 4.0 | 2.8 | 2.0 |
| SL/PRS/3T | 22 | YELLOW | 3.0 | 2.4 | 6.0 | 4.2 | 3.0 |
| SL/PRS/4T | 25 | GREY | 4.0 | 3.2 | 8.0 | 5.6 | 4.0 |
| SL/PRS/5T | 27 | RED | 5.0 | 4.0 | 10.0 | 7.0 | 5.0 |
| SL/PRS/6T | 32 | BROWN | 6.0 | 4.8 | 12.0 | 8.4 | 6.0 |
| SL/PRS/8T | 38 | BLUE | 8.0 | 6.4 | 16.0 | 11.2 | 8.0 |
| SL/PRS/10T | 45 | ORANGE | 10.0 | 8.0 | 20.0 | 14.0 | 10.0 |
| SL/PRS/12T | 60 | ORANGE | 12.0 | 9.6 | 24.0 | 16.0 | 12.0 |
| SL/PRS/15T | 70 | ORANGE | 15.0 | 12.0 | 30.0 | 21.0 | 15.0 |
| SL/PRS/20T | 80 | ORANGE | 20.0 | 16.0 | 40.0 | 28.0 | 20.0 |
| SL/PRS/25T | 90 | ORANGE | 25.0 | 20.0 | 50.0 | 35.0 | 25.0 |
| SL/PRS/30T | 100 | ORANGE | 30.0 | 24.0 | 60.0 | 42.0 | 30.0 |
| SL/PRS/36T | 115 | ORANGE | 36.0 | 28.8 | 72.0 | 50.0 | 36.0 |
| SL/PRS/40T | 125 | ORANGE | 40.0 | 32.0 | 80.0 | 56.0 | 40.0 |
| SL/PRS/50T | 180 | ORANGE | 50.0 | 40.0 | 100.0 | 70.0 | 50.0 |
| SL/PRS/75T | 200 | ORANGE | 75.0 | 60.0 | 150.0 | 105.0 | 75.0 |
| SL/PRS/100T | 250 | ORANGE | 100.0 | 80.0 | 200.0 | 140.0 | 100.0 |

M = Mode factor for symmetrical loading

Ratchet lashing system is used to secure the cargo while transporting, shifting or storage. They are re-usable, light weight and are cost effective. They are completely reliable in securing all types of loads.

Ratchet lashing system comprises of ratchet buckle which provides the tensioning force, hooks and polyester webbing which is soft, strong and safe to use.

RATCHET LASHING - TWO PART

Ratchet Lashing has a two part system consists of a short part and a long part with a tensioning device provided on the short part. Variety of hooks or end fittings as shown below can be provided.

Depending upon the load requirements, the ratchet lashing systems are available in 25mm, 35mm, 50mm, 75mm and 100mm width. These are manufactured as per EN-12195-2:2000 standards.

Advantages of Ratchet Lashing Systems

- ♦ Webbing does not weaken with age.
- ♦ Ability to absorb shocks.
- ♦ Can be easily checked by eye for damages.
- ♦ Low risk of damage to finished product.
- ♦ Easy and quick to use, saves time and cost.
- ♦ Suppleness of polyester accommodates regularities of the load.



| ITEM CODE | WIDTH | PICTURE | BREAKING STRENGTH | LASHING CAPACITY | WEBBING COLOUR |
|--------------------------|----------------|---------|---------------------|-------------------|--------------------------|
| SL / RA 25 / JH / 1T | 1.0" 25 mm | | 1.0 T 1,000 Kg | 0.4 T 400 Kg | RED |
| SL / RA / 35 / JH / 3T | 1.5" 35 mm | | 3.0 T 3,000 Kg | 1.2 T 1,200 Kg | YELLOW |
| SL / RA / 50 / JHS / 5T | 2.0" 50 mm | | 5.0 T 5000 Kg | 1.8 T 1,825 Kg | YELLOW BLUE ORANGE |
| SL / RA / 50 / JH / 5T | 2.0" 50 mm | | 5.0 T 5000 Kg | 1.8 T 1,825 Kg | YELLOW BLUE ORANGE |
| SL / RA / 50 / TDR / 5T | 2" 50 mm | | 5.0 T 5000 Kg | 1.8 T 1,825 Kg | YELLOW BLUE ORANGE |
| SL / RA / 50 / SWH / 5T | 2" 50 mm | | 5.0 T 5000 Kg | 1.8 T 1,825 Kg | YELLOW BLUE ORANGE |
| SL / RA / 75 / JH / 10T | 3.0" 75 mm | | 10.0 T 10,000 Kg | 3.7 T 3,750 Kg | YELLOW |
| SL / RA / 100 / CH / 6T | 4.0" 100 mm | | 6.0 T 6000 Kg | 3.0 T 3,000 Kg | GREY |
| SL / RA / 100 / JH / 10T | 4.0" 100 mm | | 10.0 T 10,000 Kg | 5.0 T 5,000 Kg | GREY |

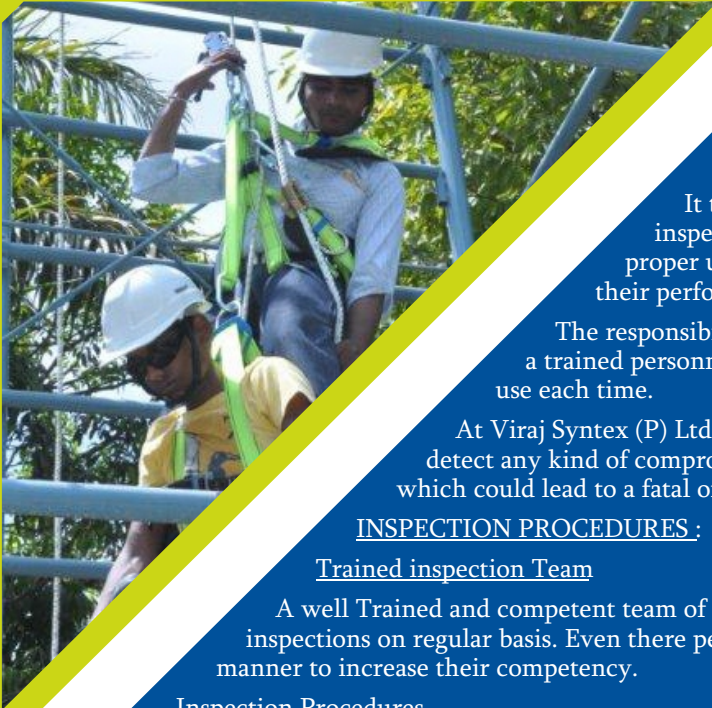


To avoid any fatal injuries at a Construction Site, Proper implementation of Safety measures is becoming increasingly important. This can be easily overcome if proper training is imparted to the workers in respect to the correct method of the usage of Fall Protective Equipment.

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

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