Instruction Manual

Read carefully the manual before use the equipment

SECURE FIRST

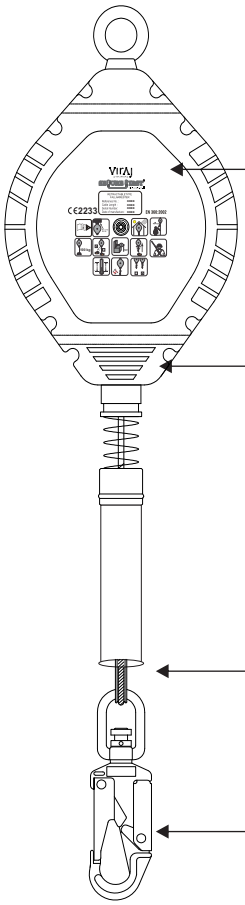
RETRACTABLE TYPE FALL ARRESTER

VIRAJ VSPL GROUP

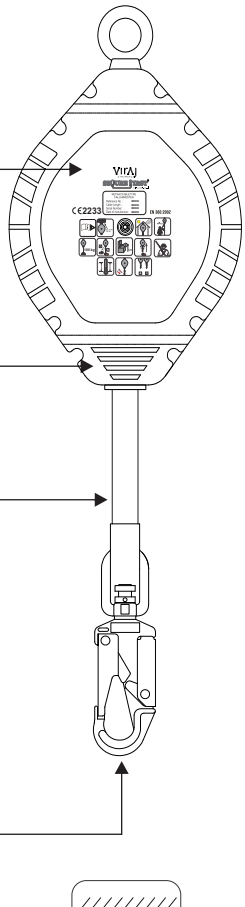
ESSENTIAL FEATURES

The retractable-type fall arrester device cable (CR) & webbing (WR) a component of the personal protective equipment against falls from a height and conforms to EN 360:2002. The fall arrester cable (CR) & webbing (WR) is the protection for one person only. The working length: SF-RFA-5 to 6 & 5(W) to 6(W).

SF-RFA-5(N) to SF-RFA-6(N)



SF-RFA-5W(N) to SF-RFA-6W(N)



Identity label

Cable/webbing retractor with brake and energy dissipating mechanism inside plastic casing

Working webbing Made of **24** mm UHMPE Webbing

Working cable ø4.5mm made of galvanized Iron

SF-1404 (Swivel Snap Hook)

Min 15KN EN 795

MARKING OF THE FALL ARRESTER

RETRACTABLE TYPE FALL ARRESTER

Reference No.	: XXXXX
Batch No.	: XXXXX
Serial No.	: XXXXX
Date of manufacture	: XXXXX

type of the equipment

Reference number of the device including the working length of the device

cable/webbing length

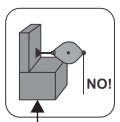
serial number of the device

month and year of manufacture

EN 360:2002 — Number of European Standard

CE 2233 — CE mark and number of notified body inspecting the equipment according to European Regulation 2016/425

SECURE FIRST — RETRACTABLE TYPE FALL ARRESTER — device manufacturer or distributor



avoid contacting with unprotected sharp edges.

not for horizontal use

use only a full body harness conformed to EN 361

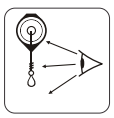
admissible weight of the user

only for vertical use

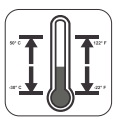
don't realese rapidly unwinded cable

store the device in a protected place

don't repair the device yourself

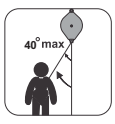


Inspect the device before each use

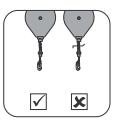


range of operating temperatures

check locking before each use

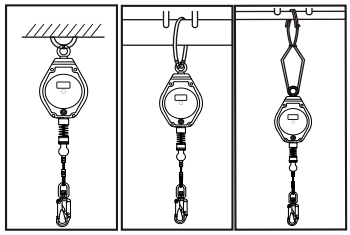


maximal admissible deflection of the cable from the vertical line



don't use the device with damaged cable

CONNECTING THE FALL ARRESTER TO THE STRUCTURAL ANCHOR POINT



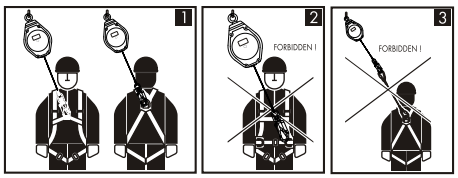
The fall arrester must be connected with a connector conforms to EN362 to an Anchor device, conforms to EN 795 and should be situated above the job place and have static resistance min. 15KN. The shape of the structural anchor point should not let self-acting disconnection of the device. It is recommended to use certified and marked structural anchor point complied with EN 795.

CONNECTING THE FALL ARRESTER TO THE SAFETY HARNESS

The working cable/webbing snap hook must be connected to front or back attachment point of full body harness.

The full body harness must conform to EN361. Refer to its instruction for use. 1 2

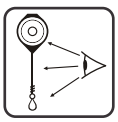
- it is strictly forbidden to connect the fall arrester to the work positioning belt.
- it is strictly forbidden to add any additional element between the working cable/webbing sna 3 hook and attachment point of harness, apart from recommended by manufacturer.
- Always protect the gate of the snap hook against accidental opening with locking gear.



PRE-USE INSPECTION

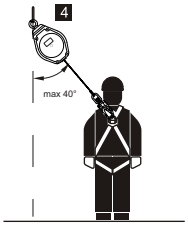
Before each use, a person who is going to use the fall arrester, shall a close visual examination of the retractor's elements: cover, snap hook, handle, working cable or webbing (entire length), must be carried out in respect of mechanical chemical and thermal defects. The user has to check the retractor functioning by dynamic pulling the working cable/webbing. The cable/webbing should block and stops pulling out. After releasing the cable/webbing, the retractor should pull in the cable/webbing. The examination must be carried out by. In the case of any defect or doubt of correct condition of the fall arrester, do During use the fall arrester should be protected from a contact with oils, acids, solvents, basics, open fire, hot metal drops and sharp edges. During working on the lattice constructions we should avoid interleaving the working cable/webbing between the individual construction elements. We should avoid using the device in the dust laden and greasy environment.

Using the fall arrester, in connection with fall arrest system, must be compatible with manual instructions of the fall arrest systems and obligatory standards:



- EN361 - for the safety harness
- EN362 - for the connectors
- EN795 - for anchorages

WORKING PLACE REQUIREMENTS



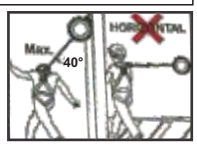
- free distance below the working level has to be at least 5 m.
- the fall arrester should be used in vertical direction only. During moving of the worker, the working cable deflection from the vertical line up to 40° is allowed - see the drawing 4

CALCULATION OF WORKING HEIGHT

Calculating the minimum height required under the feet of user with a mass of 100 kg.

Model	Arrest Distance (mtr)	Max height of person (mtr)	Additional Safety Clearance (mtr)	Total = Fall Arrest Distance+person height (max 2Mtr)+safety clearance
SF-RFA-5(N)	2	2	1	5
SF-RFA-6(N)	2	2	1	5
SF-RFA-5W(N)	2	2	1	5
SF-RFA-6W(N)	2	2	1	5

DIRECTIONS OF USE



- Maximum angle the user is a lowed to move is 40°
- Do not work in horizontal direction

NORMAL OPERATION

- If a fall occurs, a speed sensing brake system will activate, stopping the fall and absorbing most of the energy created.

ADMISSIBLE TIME OF USE

The recommended service life of the equipment is 10 years (in accordance with the annual examination by a competent person authorized by (VIRAJ SAFETY), but it may be increased or reduced according to use and/or the results of the annual inspections. The equipment should be inspected if there is any doubt, or following a fall and at least annually, by the manufacturer or a competent person authorised by the manufacturer to check its strength and hence the user's safety. The product data sheet should be completed after each annual product verification.

PERIODIC INSPECTIONS

After each 12 months of utilization the fall arrester must be withdrawn from use to carry out manufacturer's detailed inspection.

The inspection must be carried out by the fall arrester's manufacturer or his certified representative only. During this inspection will be established admissible time of the fall arrester use till next manufacturer's inspection. The result of inspection must be recorded in Identity Card.

WITHDRAWN FROM USE

The fall arrester must be withdrawn from use immediately when any doubt arise about its condition for safe use and not used again until confirmed in writing by device manufacturer or his certified representative after carried out the detailed inspection.

The fall arrester must be withdrawn from use immediately and sent to the device manufacturer of his certified representative to carry out detailed inspection when it has been used to arrest a fall. Any repair or service operation shall only be carried out by fall arrester manufacturer or his certified representative.

REPAIR

Never attempt to open the casing of the block.
if the block becomes damaged, it will not provide optimum level of protection, and therefore should be immediately either replaced or repaired. Never use a damaged product. Also never use if the retractable lanyard also shows of cuts or damage. Repair is permitted only if it is either done by the manufacture, or by a competent authorized repair center or individual approved by the manufacture.

THE ESSENTIAL PRINCIPLES OF USE OF PPE AGAINST FALLS FROM A HEIGHT

- personal protective equipment shall only be used by a person trained and competent in its safe use.
- personal protective equipment must not be used by a person with medical condition that could affect the safety of the equipment user in normal and emergency use.
- a rescue plan shall be in place to deal with any emergencies that could arise during the work.
- it is forbidden to make any alterations or additions to the equipment without the manufacturer's prior written consent.
- any repair shall only be carried out by equipment manufacturer or his certified representative.
- personal protective equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended.
- personal protective equipment should be a personal issue item.
- before use ensure about the compatibility of items of equipment assembled into a fall arrest system. Periodically check connecting and adjusting of the equipment components to avoid accidental loosening or disconnecting of the components.
- it is forbidden to use combinations of items of equipment in which the safe function of any one item is affected by or or interferes with the safe function of another.
- before each use of personal protective equipment it is obligatory to carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used.
- during pre-use check it is necessary to inspect all elements of the equipment in respect of any damages, excessive wear, corrosion, abrasion, cutting or incorrect acting, especially in retractable fall arresters cable or webbing, retractor and brake proper acting, casing, connector;
- regular periodic inspections are the essential for equipment maintenance and the safety of the users which depends upon the continued efficiency and durability of the equipment.
- during periodic inspection it is necessary to check the legibility of the equipment marking.
- it is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in language of the country in which the product is to be used.
- personal protective equipment must be withdrawn from use immediately when any doubt arise about its condition for safe use and not used again until confirmed in writing by equipment manufacturer or his representative after carried out the detailed inspection.
- a full body harness conformed to EN 361 is the only acceptable body holding device that can be used in a fall arrest system.
- in full body harness use only attaching points marked with big letter "A" to attach a fall arrest system.
- the anchor device or anchor point for the fall arrest system should always be positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. The anchor device/point should be placed above the user. The shape and construction of the anchor device/point Should not Let self acting Disconnecting of the device
- it is obligatory to verify the free space required beneath the user at the workplace before each occasion of use the fall arrest system, so that, in the case of a fall, there will be no collision with the ground or other obstacle in fall path. The required value of the free space should be taken from instruction manual of used equipment.
- there are many hazards that may affect the performance of the equipment and corresponding safety precautions that have to be observed during equipment utilization, especially:- trailing or looping of lanyards or lifelines over sharp edges,-any defects like cutting, abrasion, corrosion, climatic exposure,- pendulum falls,- extremes of temperature,- chemical reagents, electrical conductivity.
- personal protective equipment must be transported in the package (e.g.: bag made of moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.
- the equipment can be cleaned without causing adverse effect on the materials in the manufacture of the equipment. For textile products use mild detergents for delicate fabrics, wash by hand or in a machine and rinse in water. Plastic parts can be cleaned only with water. When the equipment becomes wet, either from being in use or when due cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat. In metallic products some mechanic parts (spring, pin, hinge, etc.) can be regularly slightly lubricated to ensure better operation.
- Other maintenance and cleaning procedures should be adhered to detailed instructions stated in the manual of the equipment.
- personal protective equipment should be stored loosely packed, in a well-ventilated place, protected from direct light, ultra-violet degradation, damp environment, sharp edges, extreme temperatures and corrosive or aggressive substances.

It is the responsibility of the user organisation to provide the identity card and to fill in the details required. The identity card should be filled in only by a competent person responsible for protective equipment. The identity card should be filled in before the first use of the equipment. Any information about the equipment like: periodic inspections, repairs, reasons of equipment's withdrawn from use shall be noted. The identity card should be storaged during a whole period of equipment utilization. Do not use the equipment without the identity card.

(A Retractable Block accessory provided by SECURE FIRST, meant for the use specified).

Note :

Always use the Tag-line provided in the box for releasing the Retractable Lanyard after use.
A proper precaution during use of the Retractable Block as specified, greatly enhances the functioning and the purpose for which this equipment is meant to be used.

> ⚠ **WARNING :**
> Never use the Tag-line for purposes like Anchorage, Restraint, Fall Arrest, etc since it has been constructed and designed only for releasing the Retractable Lanyard back to the reel.

SPECIFICATIONS OF SECURE FIRST RETRACTABLE BLOCK TAG-LINE :

1) Item	: Tag-Line	**2) Material**	: Polyester
3) Part No.	: BC - 370	**4) Cord Dia**	: 2.00 mm
5) B. S.	: 2 kN	**6) Length**	: XXX Mtr

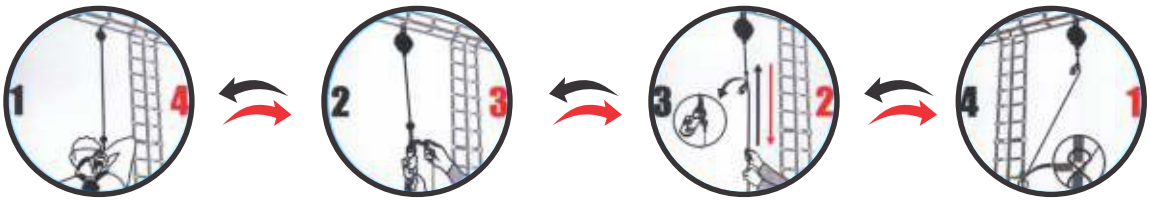
Do's

- Always use the tag line to retract lanyard slowly.
- Always tie the tag line securely to the post after use.
- Always fold the tag line and place it in a safe accessible area preferably your pocket.

Don't's

- Never use the tag line as the safety. It is only an accessory to the Block and should never be used as an extension to the lanyard.
- Do not keep the tag line in a dirty / soiled storage place.

⚠ Only an accessory : NOT FOR FALL ARREST



IDENTITY CARD

MODEL AND TYPE OF EQUIPMENT	
REF. NUMBER	
SERIAL NUMBER	
DATE OF MANUF.	
USER NAME	
DATE OF PURCHASE	DATE OF FIRST USE

PERIODIC EXAMINATION AND REPAIR HISTORY

	DATE	REASON FOR SERVICE/REPAIR	CONDITION OF DEVICE AFTER SERVICING	NAME AND SIGNATURE OF COMPETENT PERSON	NEXT EXAMINATION DATE
1					
2					
3					
4					

Notify Body In Charge of EC type Examination

GEPTESZT Kft. - Budapest Gyenes u. 12. 1032, Hungary, Contact No:- +36 1250 3531 IDENTIFICATION NO. 2233

VIRAJ SYNTEX (P) LIMITED

VIRAJ SYNTEX PVT. LTD., Factory / Office : C-36, UPSIDC Industrial Area, Rooma, Kanpur - 209402 (UP) INDIA
Ph.: +91 9839505969, 9839803488, 9839811500, 9839601191 Web : www.vsplgroup.com , E-mail : ruchi@vsplgroup.com