

TIME OF USE

Retractable type fall arrester can be used without time limit on condition periodic inspections are carried out timely.

PERIODIC INSPECTIONS

After each 12 months of usage the retractable type fall arrester should be withdrawn from use and subject to a detailed periodic inspection. The device can be subject to inspection only by the manufacturer or his authorized representative. During periodic inspection period of use of the device date of the next inspection should be arranged. All information regarding the periodic inspection must be recorded in the Identity Card.

WITHDRAWAL FROM USE

Retractable type fall arrester must be withdrawn from use immediately, if there are any doubts in regard of its correct condition and function. The device must not be used until the equipment manufacturer or his authorized representative carries out a detailed inspection and gives his written consent to use the equipment again. Retractable type fall arrester must be withdrawn from use immediately and sent to the manufacturer or his authorized representative to carry out a detailed inspection, if it has been used to arrest a fall.

Any repair or service works can performed only by the device manufacturer or his authorized representative.

Notified body responsible for controlling the production phase of the device:

APAVE SUDEUROPE SAS

8 rue Jean-Jacques Vernazza – ZAC. Saumaty-Séon – BP 193, 13322 MARSEILLE CEDEX 16, FRANCE - No. 0082

Notified body responsible for EU type test certification in accordance with Regulation 2016/425:

PRS – No.1463,

Polski Rejestr Statków S.A.

al. gen. Józefa Hallera 126 80-416 Gdańsk, Poland, Tel.: (+48) 58 75 11 301, Fax: (+48) 58 34 60 392, E-mail: mailbox@prs.pl, http://www.prs.pl/

Producent: PROTEKT, 93-403 LODZ, ul. Starorudzka 9, Poland

IDENTITY CARD

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 before the first use by a competent person, responsible in the user organization for protective equipment. Any information about the equipment like periodic inspections, repairs, reasons of equipment's withdrawal from use shall be noted into the identity card by a competent person in the user organization. The identity card should be stored during a whole period of equipment utilization. Do not use the equipment without the identity card.

MODEL AND TYPE OF EQUIPMENT			
SERIAL/BATCH NUMBER		DATE OF MANUFACTURE	
REFERENCE NUMBER		DATE OF PURCHASE	
USER NAME		DATE OF FIRST USE	

PERIODIC INSPECTION AND REPAIR HISTORY CARD

DATE OF INSPECTION	REASON FOR INSPECTION OR REPAIR	DEFECTS, CONDITION NOTED REPAIRS CARRIED OUT	NAME AND SIGNATURE OF COMPETENT PERSON	NEXT INSPECTION DATE



INSTRUCTION MANUAL

Carefully read the manual before using the equipment.



CE 0082 EN 360:2002

RETRACTABLE TYPE FALL ARRESTER

CR250HV

Retractable type fall arrester CR250HV is a component of personal fall protection equipment compliant with EN 360:2002.

Retractable type fall arrester CR250HV provides protection for one user.

Permissible user's weight is 120kg.

Available lengths of work cable:

- CR250HV 06 - 6 metres
- CR250HV 08 - 8 metres
- CR250HV 11 - 11 metres

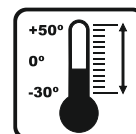
DEVICE MARKING:



Before each use check function of the locking gear.



Permissible inclination of work line from the vertical line



Range of device usage temperatures



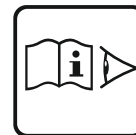
Permissible user's weight



Store in rooms, protect from direct sunlight, moisture and other aggressive substances



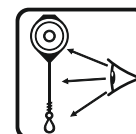
Use full body harness compliant with EN 361 only



Read the manual before use



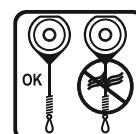
Do not release the device cable suddenly when extended



Inspect the device before each use



Do not repair the device on your own



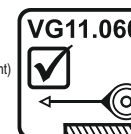
Do not use the device with damaged cable



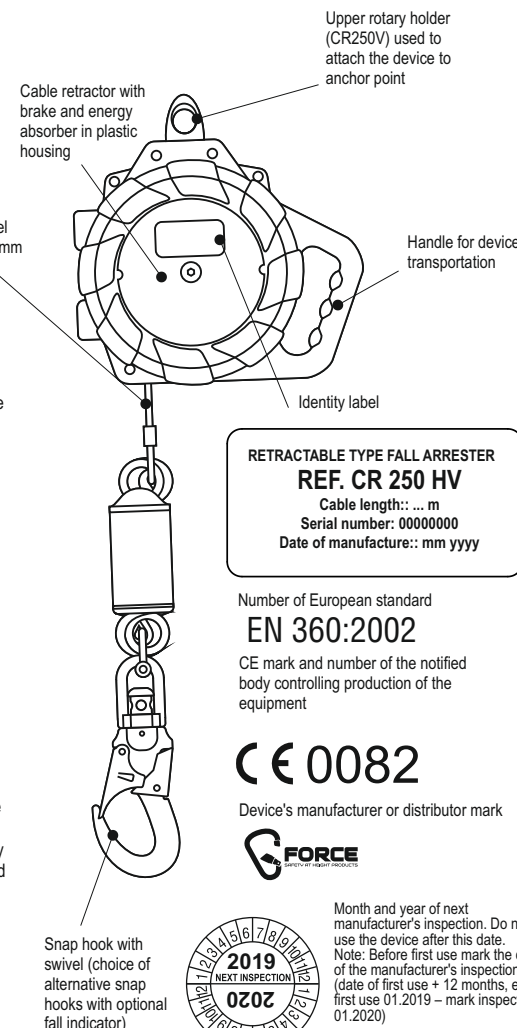
Attach the device to a structural anchor point (anchor point) using rotary holder



Do not attach the device to a structural anchor point (anchor point) using handle for device transportation



The device is suitable for horizontal operation



INSPECTION BEFORE USE

Before each use of the device the user must carry out a detailed inspection of components of the device: housing, snap hook, holder, work cable or webbing (over the whole length) for mechanical, chemical and thermal damages. It is necessary to check operation of retracting and braking gear by dynamically pulling the work cable/ webbing. The cable/ webbing should be locked and stop extending any further. After the cable/ webbing is released, it should be easily folded (retracted) by the device. Inspections and checks should be carried out by the user of the device. If there are any defects or doubts in regard of the correct condition and function of the device, it should be withdrawn from use immediately.

During usage protect all parts of the device from contact with oils, solvents, acids and alkali, open flame, molten metal splatters and objects with sharp edges. During operation on truss structures avoid interweaving the work cable/webbing between individual parts of the structure. Avoid usage of the device in dusty and oily environments.

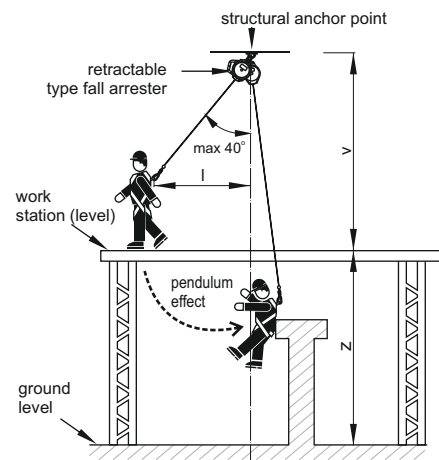
Use of retractable type fall arrester as a part of a fall protection system must be in accordance with instructions for individual parts of the system and standards in force:

- EN 361 - Full body harness;
- EN 362 - Connectors;
- EN 795 - Anchor devices (anchor points).

CONNECTING THE FALL ARRESTER TO STRUCTURAL ANCHOR POINT

The device must be attached to a structural anchor point only with rotary holder using snap hook [A] or attachment [B] compliant with EN 362 or EN 795. It is forbidden to attach the device using handle for device transportation [C]. Structural anchor point should be located above the user and have static strength of min. 12 kN.

Shape and construction of a structural anchor point must prevent self-acting disconnection or slipping of the device. It is recommended to use marked and certified structural anchor points compliant with EN 795.



CONNECTING WORK CABLE OF RETRACTABLE TYPE FALL ARRESTER TO FULL BODY HARNESS

- snap hooks on work cable should be connected only to front or dorsal attachment point on the harness. Full body harness should be compliant with requirements of EN 361
- always secure the snap hook locking gear with locking gear

USE OF RETRACTABLE TYPE FALL ARRESTER DURING WORKS ON A ROOF

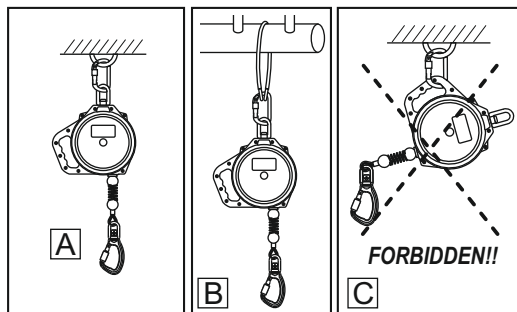
It is acceptable to use retractable type fall arresters CR250HV for vertical application and protection against falls from edges which is confirmed by a special marking – see pictogram.

These devices have been successfully tested in accordance with new Directive on personal protective equipment 89/686/EEC (Document CNB/P/11.060). The device can be used in areas where any type of edges with radius >0.5mm are present.

Example edge materials: roller steel profiles, and other metal structures, wooden beams or planks, roof parapets and similar concrete edges (it is recommended to chamfer concrete edges using e.g. steel profile).

However, for edges posing a high risk of cutting the cable or with burrs, it is necessary to conduct a proper risk assessment, provide additional edge protection or contact the manufacturer.

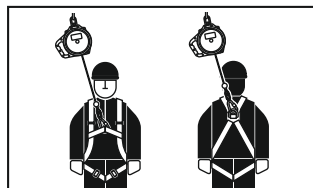
During horizontal work the device must be installed on the edge level or above.



REQUIREMENTS FOR STRUCTURAL ANCHOR POINTS

Structural anchor point which the retractable type fall arrester is attached to, should be located above the user.

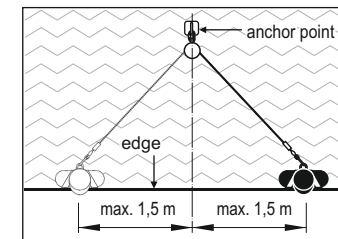
If retractable type fall arrester is attached vertically above the user, minimum required free space below the work station (level) must be 1.5m. When work cable of the retractable type fall arrester is deflected from the vertical line, a pendulum effect may occur. To avoid a related risk, pay attention that the device work line deflection from the vertical never reaches 40°. In such case the user may move in the horizontal over a distance "I" no greater than 1/2 "v". Then the minimum required free space under the work station (level) must be 1.5m + distance "I".



Line deflection angle on the edge when arresting a fall must be at least 90°. Minimum required free space under the work level for fall from edges must be 2.5m + distance "I". In case of falls from edges pay particular attention to a potential pendulum effect and potential contact of the user with parts of the structure.

In order to prevent a pendulum effect fall, it is necessary to limit the movement from structural anchor point axis to 1.5m (see figure). Otherwise instead of a structural anchor point, please use an anchor device compliant with EN 795 Class D. The device CR250HV has not been tested with C class anchor devices.

NOTE: After a fall from edge there is a risk of injuries as a result of hitting elements of building or structure. Thus, prepare and practice special rescue procedures related to falls from edges.



BASIC PRINCIPLES OF USING PERSONAL FALL PROTECTION EQUIPMENT.

- Personal fall protection equipment should be used only by personnel trained in this respect
- Personal fall protection 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.
- Draw a rescue plan to be implemented whenever necessary.
- 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 the equipment manufacturer or his certified representative.
- Personal fall protection equipment shall not be used for any purpose other than intended
- Personal fall protection equipment provides individual protection and shall be used by one person only.
- Before each use make sure that all parts of the fall arresting system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.
- It is forbidden to use a combination of the equipment where function of any one item is affected by, or interferes with the function of any other.
- all parts of anchorage system must conform to relevant regulations and instruction manuals for the equipment and standards in force:
 - EN 361- Full body harness
 - EN 353-1, EN 353-2, EN 354, EN 355, EN 360, EN 362 - Fall arrest systems
 - EN 795 - Anchor points (structural anchor points)
 - EN 358 - Work positioning systems
- Before each use of personal fall protection equipment, a pre-use check should be carried out to ensure its correct condition and function. In particular, inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. On individual devices pay particular attention to:
 - in full body harness and work positioning devices: buckles, regulating elements, attachment points (snap hooks), lifting slings, seams, belt loops;
 - in energy absorbers: attachment loops, lifting slings, seams, housing, connectors;
 - in lanyards and textile guides: rope, thimbles, connectors, regulating parts, splices;
 - in lanyards and steel guides: rope, wires, clamps, loops, thimbles, connectors, regulating parts;
 - in retractable type fall arresters: lanyard or webbing, lifting gear and locking mechanism for proper operation, housing, energy absorber, connectors;
 - in rail ladders: body, proper guiding, locking mechanism for proper operation, rollers, bolts and rivets, connectors, energy absorber;
 - in connectors (snap hooks): load-bearing body, rivets, main attachment point, function of locking gear.
- At least once a year, after every 12 months of use, personal fall protection equipment must be withdrawn from use to carry out periodic detailed inspection. Periodic inspection may be carried out by a person who is responsible for periodic inspections in an organisation and properly trained in this respect. Periodic inspections can be carried out also by the equipment manufacturer or his authorized representative, or an authorized company. Inspect in detail all accessible elements of the equipment paying attention to any damages, excessive wear, corrosion, abrasion, cutting or incorrect function (see the above item.)
- In some cases, if the fall protection equipment has a complex design (e.g. fall arresters), periodic inspections may be carried out by the equipment manufacturer, or his authorized representative only. After the periodic inspection, date of the next inspection should be arranged.
- Regular periodic inspections are essential due to the condition of the equipment and safety of users which is dependant on full functionality and durability of the equipment.
- During periodic inspection it is necessary to check the legibility of all markings on the equipment (identity label of the device)
- All information on the fall protection equipment (name, serial no., purchase date and date of first use, name of user, information on repairs and inspections and withdrawal from use) must be provided in the Identity Card of the device. It is the responsibility of the user organisation to provide the Identity Card and to fill in the required details. The Identity Card should be filled in by a person responsible for fall protection equipment in an organisation. It is forbidden to use personal fall protection equipment if the Identity Card is not filled in.
- If the equipment is re-sold outside the original country of destination the reseller must provide instructions for use, for maintenance, for periodic inspection and for repair in language of the country where the equipment is to be used.
- Personal fall protection equipment must be withdrawn from use immediately if any doubts arise in regard of its correct condition or function. The device must not be used until the equipment manufacturer carries out a detailed inspection and gives his written consent to use the equipment again.
- Personal fall protection equipment must be withdrawn from use immediately and destroyed if it has been used to arrest a fall.
- The only acceptable protective device in fall protection equipment, worn over the body, is full body harness compliant with EN 361.
- In full body harness use only attachment points (buckles, loops) marked with capital letter "A" to attach a fall protection system.
- Anchor point (device) of the fall protection equipment should have a stable structure and provide a position preventing possibility of the load fall and minimize a free fall distance. The equipment's anchor point should be located above the user's work station. The shape and construction of the anchor device/point shall not allow for a self-acting disconnection of the equipment. It is recommended to use certified and marked anchor points of the equipment compliant with EN 795. It is obligatory to verify the required free space under the user at workplace before each use of the fall protection system so, in case of a fall, there is no collision with the ground or other obstacle in the fall path. The required free space should be determined on basis of the data given in the instruction manual of the equipment to be used.