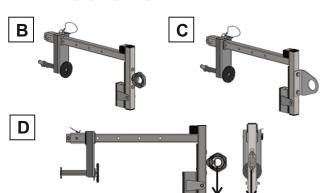


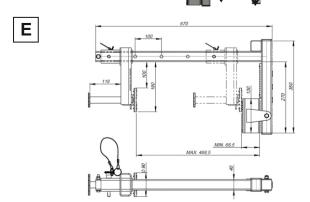


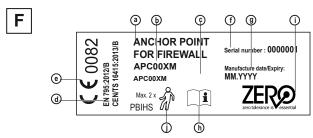
#### PRIHS

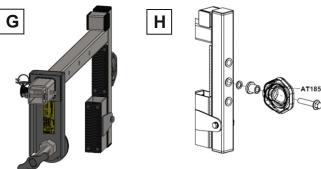
# **APCOOXM**

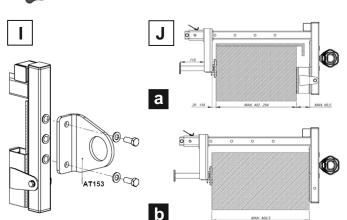
#### ΕN ANCHOR POINT FOR FIREWALL











EN - NOTE: Before use of this device please read and understand this instruction manual

#### A. GENERAL DESCRIPTION

Anchor point for firewall APC00XM in combination with anchor point AT185 or AT153 forms an anchor point conforming with EN 795/B and TS 16415/B. The device is designed for protection of maximum 2 users at the same time. The device is made of galvanized steel. The device comprises frame (APC00XM) and anchor points (AT185 or AT153).

Frame (equipped with rivet nuts) and anchor points are connected using bolts M12 (required use of wrenches #19).

Weight of complete device is approx. 10.5kg. Strength of device is min. 13kN vertically down.

Maximum load that could be transmitted in service from the device to a permanent structure – 9 kN.

If the device is used as a part of a fall arrest system, the user must be equipped with an element limiting

maximum dynamic forces applied on user while arresting a fall to max. 6kN. Complete device comprises:

1) Frame APC00XM with fixed-mounted slider. The frame is equipped with rivet nuts for installation of anchor points. 2) Anchor point:

A) AT185 – swivel anchor point with fall indicator. Mounted with one bolt M12 on the frame. Installation hole Ø34mm.

B) AT153 – anchor point with large attachment point. Mounted with two bolts M12 on the frame Installation hole Ø60mm.

## B. OVERVIEW OF APC00XM+AT185

## C. OVERVIEW OF APC00XM+AT153

# . PERMISSIBLE DIRECTIONS OF LOAD OF ANCHOR POINT

#### E. DIMENSIONS OF FRAME OF DEVICE

- F. MARKING OF DEVICE
  a) Name/ type of device
  b) Device model designation.
- c) Reference number.
  d) Number/year/class Number/year/class of European standard.
- e) CE mark and number of notified body which supervises the production of the equipment.
- f) Month and year of manufacture/expiry date g) Serial number of device.

- h) Attention: read instruction manual.
   i) Mark of device's manufacturer or distributor.
- j) Maximum number of concurrent users

#### TWO OPTIONS:

APC00XM + AT185 – ref. no. APC00XM-185-000 APC00XM + AT153 – ref. no. APC00XM-153-000

## G. LOCATION OF MARKING OF DEVICE

## H. INSTALLATION OF ANCHOR POINT AT185

Anchor point AT185 can be mounted on the frame APC00XM as shown in the following diagram. The installation will require use of wrench #19. Use as follows: a) NordLock washer M12,

- b) Spacer of anchor point AT185.
- c) Anchor point AT185
- d) Hex washer head screw M12x60 (ISO 4162)

## I. INSTALLATION OF ANCHOR POINT AT153

Anchor point AT153 can be mounted on the frame APC00XM as shown in the following diagram. The installation will require use of wrench #19. Use as follows:

- a) Anchor point AT153b) Two washers M12-A2-80
- Two hex head screws M12x30 (ISO 4017).

## J. INSTALLATION ON FIREWALL

The device can be installed easily on firewalls with flashings.

The frame is equipped with movable slider which can be set in one of five positions (every 100mm). The slider has set screw which should be finally tightened while pushing the frame on the structure

- The device can be installed on:
  a) Firewall with flashing max. 468.5mm
- b) Firewall without flashing max. 537mm Maximum dimension of flashing: 70mm.

# K. PERIODIC INSPECTIONS

At least once a year, after every 12 months of use, it is necessary to carry out periodic detailed inspection of the device. Are east once a year, and every 12 months of use, it is necessary to carry our personal reactions of the device's use may influence the frequency of periodic inspections which may be carried out by a properly qualified and skilled person. Conditions of the device's use may influence the frequency of periodic inspections which may be carried out more than once a year. After 5 years of use, it is recommended that periodic inspections are carried out by the manufacturer of the equipment or an entity authorised by the manufacturer to carry out such inspections. All periodic inspections must be recorded in the identity card for the

## L. MAXIMUM TIME OF USAGE

Maximum time of usage of correctly operating devices is unlimited

NOTE: Maximum time of usage depends on intensity and environment of use. If the device is used in heavy conditions, being exposed to frequent contact with water, sharp edges, extreme of temperatures or exposed to corrosive substances, it may be necessary to withdraw the device after only one use.

## Ł. WITHDRAWAL FROM USE

The device must be withdrawn from use immediately and destroyed if it has been used to arrest a fall, or failed a periodic inspection or there are any doubts concerning its function.

## THE ESSENTIAL PRINCIPLES FOR USERS OF PERSONAL PROTECTIVE EQUIPMENT 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.
- being suspended in PPE (e.g. arresting a fall), beware of suspension trauma sympton
- to avoid symptoms of suspension trauma, be sure that the proper rescue plan is ready for use. It is recommended to use foot straps.
- 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 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 take into consideration:
   in full body harnesses and belts buckles, adjusting elements, attaching points, webbings, seams, loops;
- in energy absorbers attaching loops, webbing, seams, casing, connectors;

- in textile lanyards or lifelines or quidelines rope, loops, thimbles, connectors, adjusting element, splices,
- in steel lanyards or lifelines or guidelines cable, wires, clips, ferrules, loops, thimbles, connectors, adjusting elements;
- in retractable fall arresters cable or webbing, retractor and brake proper acting, casing, energy
- in guided type fall arresters body of the fall arrester, sliding function, locking gear acting, rivets and screws, connector, energy absorber;
- in metalic components (connectors, hooks, anchors) main body, rivets, gate, locking gear acting. after every 12 months of utilization, personal protective equipment must be withdrawn from use to carry
  out periodical detailed inspection. The periodic inspection must be carried out by a competent person for periodic inspection. The periodic inspection can be carried out also by the manufacturer or his authorized
- in case of some types of the complex equipment e.g. some types of retractable fall arresters the annual
- inspection can be carried out only by the manufacturer or his authorized representative.

   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. Don't use the equipment with the illegible 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.
- personal protective equipment must be withdrawn from use immediately and destroyed (or another procedures shall be introduced according detailed instruction from equipment manual) when it have been used to arrest a fall.
- a full body harness (conforming to EN 361) is the only acceptable body holding device that can be used.
- in full body harness use only attachment points marked with a capital 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 minimise both the potential for falls and potential fall distance. The anchor device/point should be placed above the position of the user . The shape and construction of the anchor device/point shall not allowed to self-acting disconnection of the equipment. Minimal static strength of the anchor device/point is 12 kN. It is recommended to use certified and marked structural anchor point complied
- 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 the 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. For energy absorbers use only a damp cloth to wipe away dirt. It's forbidden to immerse energy absorbers into the 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.
- personal protective equipment should be stored loosely packed, in a well-ventilated place, protected from direct light, ultraviolet degradation, damp environment, sharp edges, extreme temperatures and corrosive or aggressive substances.
- Using the harness in connection with personal protective equipment agains falls from a height must be compatible with manual instructions of this equipment and obligatory standards:
  - EN353-1, EN353-2, EN355, EN354, EN360 for the fall arrest systems;

  - EN362 for the connectors; EN1496, EN341 for rescue devices;
  - EN795 for anchor devices.

representative.

Notified body for control production: APAVE SUD EUROPE SAS (no 0082) - CS 60193 - F13322 MARSEILLE CEDEX 16 -

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## **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 inthe 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	
REFERENCE NUMBER	
DATE OF MANUFACTURE	
DATE OF PURCHASE	
DATE OF FIRST USE	
USER NAME	

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	