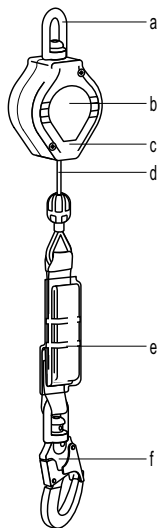


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CE 0082

EN 360:2023 CR 030

EN**B**

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FORCE — 5
 EN 360:2023 — 6
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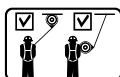
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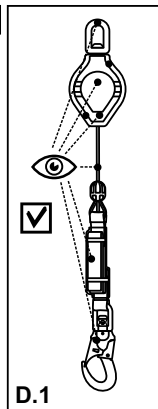
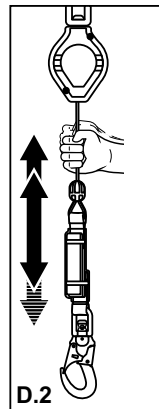
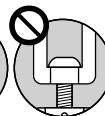
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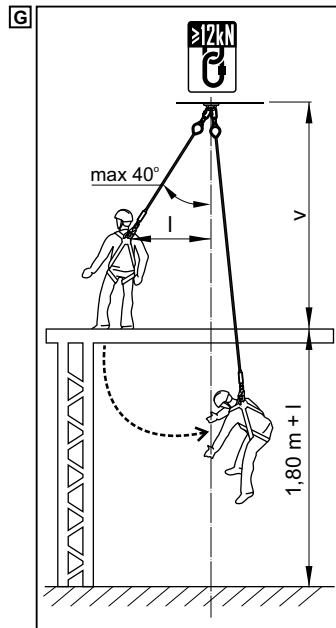
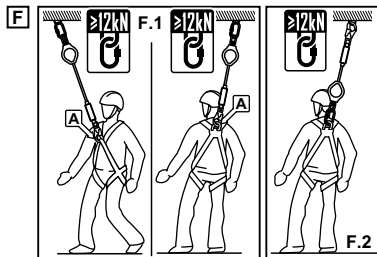
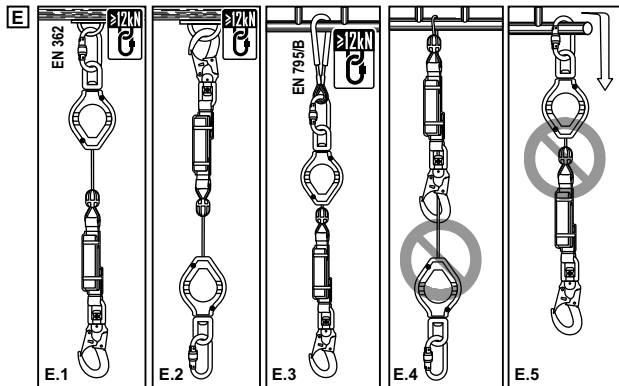


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D**D.1****D.2****D.1.1**



EN – NOTE: Ensure you read and understand these instructions before using this equipment. Work requiring the use of this equipment is dangerous. The user is obliged to follow this manual and is responsible for the correct use of the equipment. Misuse of the equipment can lead to injury or death. If you have any problems understanding this manual, please contact the equipment manufacturer.

- A. DESCRIPTION – The retractable type fall arrester is a piece of personal protective equipment against falls from a height and complies with EN 360:2023. The device is designed for use when there is a risk of falling from a height in order to prevent the user from falling freely. It provides protection for only one person of 50 kg to 140 kg at a time. The device length is 3 metres.
- B. MAIN COMPONENTS – a. Swivel shackle; b. Information and identification labels; c. A rope retractor with an energy absorber housed in a plastic casing; d. Working lanyard, dia. 4 mm, galvanised steel; e. Textile fibre energy absorber; f. Snap hook with swivel shackle and fall indicator.
- C. DEVICE MARKING – 1. Part no. 2. Serial number. 3. Month and year of manufacture. 4. Device length. 5. Manufacturer identification. 6. Number and year of European standard. 7. CE marking and the registration number of the notified body responsible for the device production process control. 8. Ensure you read and understand the instructions before use. 9. Use the device anchored above the user. 10. Maximum device rope deviation from vertical 40°. 11. Use the connector of the strap to attach the device to the user's full body harness, and link the device mechanism to the anchor point. The unit can be connected in reversed configuration: the mechanism to the harness, and the strap connector to the anchor point. 12. Do not use the device over an edge when loaded. 13. Working load range: min. 50 kg to max. 140 kg.
- D. VISUAL INSPECTION BEFORE USE
- D.1 Before each use of the device, the person using it must carry out a thorough visual inspection of the device components: housing, connector, lug, working rope (along its entire length), energy absorber for mechanical, chemical and thermal damage.
- D.1.1 The device is fitted with a load marker located in the connector swivel shackle of the rope. Do not use the device with a damaged, fractured

or deformed marker. Do not use the device without a load marker or when the swivel shackle and the connector body show visible play.

- D.2 Test the function of retractor and brake by vigorously pulling the work rope. The lanyard should lock and stop extending. When the lanyard is released, it should freely retract (be pulled in) by the device. This inspection and test must be carried out by the device operator. If you find any faults or have any doubts about the correct condition and operation of the equipment, make sure it is taken out of service immediately. Make sure you protect the device against contact with oils, solvents, acids and alkalis, open flame, hot metal splinters and sharp-edged objects when in use. When working on grid structures, it is important to avoid interlacing the working webbing between different parts of the structure. Do not use the device over an edge when loaded. Avoid using the device in highly dusty or oily environments. Do not use the device in environments where the automatic locking function may not work, for example, on sloping surfaces or on stockpiles or heaps of bulk loose material. The use of the retractable type fall arrester as part of a system protecting against falls from a height must comply with the guidelines in the instructions for each system component and with the following applicable standards:
 - EN 361 – for full body harnesses;
 - EN 362 – for connectors;
 - EN 795 – for structural anchor points.

- E. ATTACHING RETRACTABLE TYPE FALL ARRESTER TO STRUCTURAL ANCHOR POINT – Ensure the device is connected to the anchor point directly with the use of the top connector (E.1) or, in the reverse configuration, using the working lanyard connector (E.2). You can use an additional type B anchor device compliant with EN 795/B (E.3). Never attach the device by wrapping the working lanyard around a fixed structural element and fastening the connector onto the lanyard (E.4). The shape and construction of the structural anchor point must prevent the fall arrester from spontaneous detachment or sliding off (E.5). Ensure the structural anchor point has a minimum static strength of 12 kN. It is recommended to use EN 795 certified and marked structural anchor points.

- F. ATTACHING RETRACTABLE TYPE FALL ARRESTER LANYARD TO A FULL BODY HARNESS – Ensure the connector for the work lanyard is connected only to the A marked front or back D-ring an-

chorage of the harness (F.1). Attaching the device in the reverse configuration is permissible: connect the device mechanism to the user's harness, and the lanyard to the anchor point (Fig. 2). Ensure that the connector is closed properly and locked. Full body harnesses must comply with EN 361.

- G. **STRUCTURAL ANCHOR POINT REQUIREMENTS** – The retractable type fall arrester is designed for attachment above the user. If the device is installed vertically above the user, the clearance below the work area should be at least 1.90 m. If the working rope of the retractable type fall arrester is off the vertical, a "pendulum effect" occurs during fall arrest, which is typically undesirable. To reduce this effect, the unit's webbing should not be used at more than 40° from the vertical. To maintain this safe working condition, the user should not move horizontally away from the anchorage point by more than distance "l", which is 1/2 the height of the device above the working level "v". Then, a clearance below the work level must be at least 1.90 m + horizontal distance "l".
- H. **PERIODIC INSPECTIONS** – At least after every 12 months of operation – starting from the date of first use – a periodic inspection of the equipment must be performed. The periodic inspection may only be carried out by the manufacturer of the equipment or a person authorised by the manufacturer. Actual conditions of use can be a reason for user to reschedule the periodic maintenance interval and carry out maintenance more frequently than every 12 month of operation. Each periodic inspection must be recorded in the equipment Service Log. It is recommended to mark the date of the next inspection on the device with a special "Next inspection" label.
- I. **SERVICE LIFE** – The service life of the equipment is unlimited provided that timely periodic inspections are carried out. Note: The textile energy absorber together with the line must be replaced every 10 years, counted from the date of manufacture.
- J. **WITHDRAWAL FROM USE** – The retractable type fall arrester must be taken out of service immediately if there is any doubt as to its good working order and correct operation. The equipment may be put back into service after being thoroughly inspected and upon a written consent by the equipment manufacturer or its authorised representative for the putting the equipment back into service. The

retractable type fall arrester must be taken out of service immediately and sent to the manufacturer or its authorised representative for a detailed inspection if it has arrested a fall. Any repairs or servicing may only be carried out by the device manufacturer or its authorised representative.

K. **PRINCIPAL RULES FOR THE USE OF PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT**

- PPE must only be used by personnel trained to operate it.
- Individuals with any health condition that may affect their safety during regular use or in rescue may not use the PPE.
- Make sure an emergency rescue plan is in place to be implemented when needed.
- While suspended using PPE (e.g. after arresting a fall), beware of suspension trauma symptoms.
- To avoid adverse effects of suspension, ensure that an appropriate emergency rescue plan is ready for use. The use of positioning webbings is recommended.
- Never attempt to modify the equipment without prior written consent from the manufacturer.
- Only manufacturer of the equipment or its authorised representative can carry out any repairs of the equipment.
- PPE may not be used in any way other than its intended use.
- PPE is a personal equipment and may be used by one person.
- Prior to use, ensure all components of the equipment integrated in a system protecting against falls work correctly together. Periodically inspect the connections and fit of equipment to avoid accidental loosening of tension or detachment.
- Using PPE kits in which the safe function of any component is affected by or interferes with the safe function of another component is forbidden.
- Before each use of PPE, it is important to carry out a careful and thorough visual inspection to ensure that the equipment is in good working order before use.
- During the visual inspection prior to use, verify all components of PPE, and pay particular attention to any signs of damage, excessive wear, corrosion, abrasion, cuts, or malfunctions. Use extreme care when checking the following components:
 - Full body harness, waist belts, and work positioning belts: shackles, adjustment parts, anchor points (shackles/tethers), webbings, stitching, and loops;
 - Fall arrest energy absorbers: tether loops, lanyards, stitching, casing, and connectors;

- Textile fibre life lines and anchor lines: lines, loops, thimbles, connectors, adjustment parts and knots;
- Steel cable life lines and anchor lines: rope, wires, clips, loops, thimbles, connectors, and adjusters;
- Rope/webbing-operated retractable type fall arresters: winding and retarding gears for correct function, casing, energy absorber and connectors;
- Guided type fall arresters: casing, proper running on the anchor line, locking gear performance, sheaves, bolts, rivets, connectors, and the energy absorber;
- Metal components (connectors, hooks, buckles): load-carrying body, riveting, main catch and locking action.
- Make sure that personal protective equipment is withdrawn from operation after each 12 months of use, and at least once per year, for a thorough periodic inspection. The periodic inspection may be carried out by a competent, qualified individual with adequate expertise in the subject. The inspection may also be carried out by the PPE manufacturer or its authorised representative.
- In certain cases, if PPE has a complex design, like retractable type fall arresters, make sure periodic inspections are carried out by the manufacturer or its authorised representative only. A date for the following periodic inspection will be defined right after the periodic inspection is completed.
- Regular periodic inspections are critical to ensure the good working order of PPE and the safety of its user, which depends on full working capacity and durability of the equipment.
- During the periodic inspection, check the legibility of all markings on protective equipment (specific to the piece of equipment). Do not use any item of PPE with illegible markings.
- It is critical to the safety of the PPE user that, if PPE is sold outside its country of origin, the PPE supplier provides the equipment with the instructions for use and maintenance and the procedures of periodic inspection and repair in the official language of the country in which the PPE will be used.
- PPE must be removed from service immediately and disposed of (or other procedures in the instructions for use must be followed) if it has arrested a fall.
- Only the EN 361 compliant full body harnesses are the approved user body support equipment used in fall arrest systems.
- PPE can only be connected to the safety full body harness tether points (buckles or loops) marked with an upper-case "A".
- The anchor point (device) for the equipment protecting against falls from a height must be of a stable construction and in a location which reduces the

risk of a fall and the length of a free fall. Ensure the anchor point is located above the user's workstation. The anchor point shape and design must ensure that the equipment is connected permanently and cannot detach accidentally. The minimum load capacity of the anchor point must be 12 kN. We recommend using only certified and marked anchor points that comply with EN 795.

- It is mandatory to verify the clearance underneath the user workstation where personal protective equipment against falls from a height will be used to avoid hitting items or surfaces below while a fall is being arrested. For dimensions of the required clearance under the workstation, refer to the instructions for use of the protective equipment to be used.
- Make sure you inspect the equipment regularly when in use, paying special attention to all hazardous events and damage affecting its performance and the safety of the user, in particular: looping or trailing ropes or lanyards over sharp edges, pendulum falls, live voltage conduction, all types of damage like cuts, wearing, corrosion, effects of extreme temperatures, adverse effect of weather conditions and effects of chemicals.
- Ensure the PPE is handled/carried in packaging which protects it from damage and moisture, for example, use water-repellent textile bags or in steel or plastic cases or boxes.
- Clean PPE with tools and methods which do not compromise the materials of the equipment. For textile fibre materials (lanyards, belts, straps, and ropes), use gentle detergents intended for textiles. Clean by hand or by machine washing. Rinse thoroughly afterwards. Energy absorbers may only be cleaned with a damp cloth. Do not immerse the energy absorber in water. Plastic parts must be cleaned with water only. If moistened during cleaning or use, let the PPE dry thoroughly in open air and away from sources of heat. Metal parts and gear (springs, hinges, catches, etc.) can be lubricated periodically with a slight amount of lubricant to improve their performance.
- Store PPE loosely packed, in well-ventilated, dry areas, and away from sunlight, UV radiation, dust, sharp objects, extreme temperatures and corrosive chemicals.
- All the components of personal protective equipment against falls from a height must conform to their instructions for use and the standards in force.
-
- L. SERVICE LOG – The responsibility for making records in the Service Log is with the company which uses the equipment. The Service Log must be completed before the equipment is first released for use by a competent person responsible for protective equipment in the company. Information on factory periodic inspections, repairs and the reason for withdrawal of

the equipment from use must be recorded by a competent person responsible for periodic inspections of protective equipment in the company. The Service Log must be preserved for the entire service life of the equipment. Never use personal protective equipment that does not have a completed Service Log.

- L.1 Model and type of equipment
- L.2 Serial number
- L.3 Part number
- L.4 Date of manufacture
- L.5 Date of purchase
- L.6 Date of entry into use
- L.7 User name
- L.8 Periodic inspection and maintenance
- L.9 Date of inspection

- L.10 Reason for inspection/repair
- L.11 Damage noted, repairs carried out
- L.12 Name and signature of person responsible
- L.13 Date of next inspection

Manufacturer:

PROTEKT – Starorudzka 9 – 93-403 Łódź – Poland

Phone +4842 6802083 – fax: +4842 6802093 - www.protekt.com.pl

Notified body of the EU type testing certificate issuer as per Regulation (UE) 2016/425: EU-Cert Sp. z o. o., ul. Karola Szymanowskiego 12/U6, 80-280 Gdańsk, Poland.

Production control notified body: Apave SA (n°0082) - 6 Rue du Général Audran - 92412 COURBEVOIE Cedex – France

Declaration of Conformity available at www.protekt.pl

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