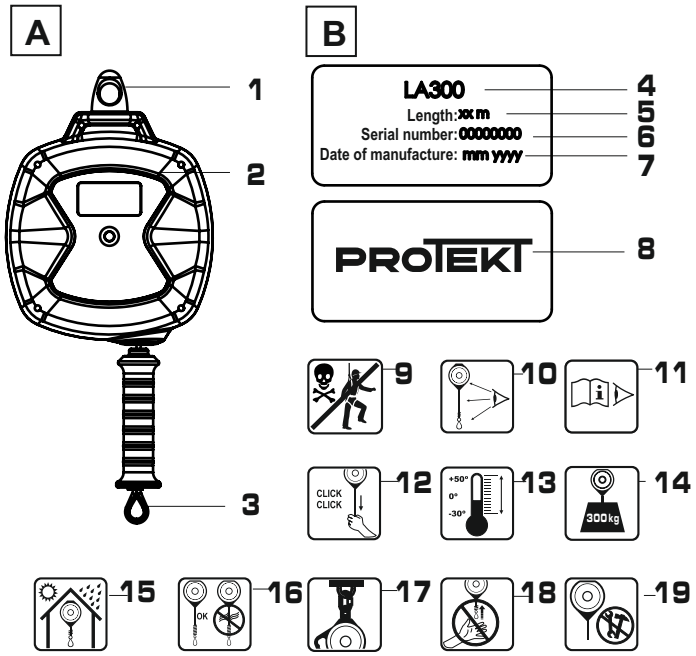
PROTEKT LA 300

EN LOAD ARRESTER



Load arrester is designed to arrest loads and objects (e.g. lighting elements, scenography elements), protects against the fall of the load and other objects from a height in the event of failure of the primary suspension system.

The device complies with the machinery directive 2006/42/EC.

The LA 300 xx load arrester is not personal equipment used to protect people against falling from a height.

Permissible weight of the secured load: 300 kg.
Available lengths of work cable:
- Cat. No. LA300 06 - 6 meters
- Cat. No. LA300 08 - 8 meters
- Cat. No. LA300 10 - 10 meters

A. DESCRIPTION
1. Upper rotary holder used to attach the device to an anchor point
2. Cable retractor with brake and energy absorber in a plastic housing
3. Galvanized steel work cable with a diameter of 5 mm

B. EQUIPMENT MARKING
4. Catalog designation
5. Cable length
6. Serial number of the device
7. Date of manufacture
8. Marking of the manufacturer or distributor
9. Do not use it to protect people against falling from a height.
10. Inspect the device before each use
11. Read the manual before use
12. Before each use check function of the locking gear
13. Temperature range in which the device can be used
14. Maximum load weight
15. Store in rooms, protect from direct sunlight, moisture and other aggressive substances
16. Do not release the device webbing suddenly when extended
17. Attach the device to the point of the fixed structure (anchor point) using the rotary holder
18. Do not repair the device on your own
19. Do not use a device with damaged webbing

INSPECTION BEFORE INSTALLATION
Before each use of the device, the person installing the device must carry out a thorough inspection of the components of the device: device housing, holder, work cable (along the entire length) for mechanical, chemical and thermal damage. The operation of the retracting and braking gear should also be checked by dynamically pulling the work cable. The cable should be locked and stop extending any further. After the cable is released, it should be freely folded (retracted) by the device. Inspections and checks should be carried out by the person installing the device. If there are any defects or doubts as to the correct condition and operation of the device, it should be withdrawn from use immediately.

REQUIREMENTS FOR INSTALLATION AND POINTS OF FIXED STRUCTURE
The person installing the device should check that the mass of the secured element is less than the max. permissible weight for the device. The device must be attached to the point of the fixed structure only by the rotary holder. All connectors used to connect the device to the fixed structure and to connect the secured object should have a minimum strength of 12 kN. The shape and design of the point of the fixed structure must prevent spontaneous disconnection or sliding of the device.
The minimum strength of the anchor point is specified in Table # 1 for each model.
The point of the fixed structure to which the load arrester is attached should be above the object to be secured. It is recommended to install a load arrester in a vertical line above the secured object, the minimum required free space is given in Table # 1.
When work cable of the load arrester is deflected from the vertical line, a pendulum effect may occur. Then the minimum required free space under the secured object must be the value from Table # 1 + deflection distance "l" from the vertical. Do not exceed the deflection of the device cable by more than 20° from the vertical. The work cable of the device should not come into contact with other structure elements (the course of the cable after the device's activation should also be taken into account). When installing the device, the center of gravity of the load to be secured must be taken into account. One device should be installed to protect one object. After installation, it is recommended that there is a minimum of 2 m of cable.

When securing moving loads/objects (e.g. gates), it is recommended to check that the locking speed of the load arrester is compatible with the speed of movement of the load / object during normal operation.

DURING USE OF LOAD ARRESTER:
During use, all parts of the device should be protected against contact with oils, solvents, acids and bases, open flames, splashes of hot metal and objects with sharp edges. When working on lattice structures, avoid the interweaving of the work cable between the individual elements of the structure. Avoid using the device in a heavily oily environment.
The device is designed to work in temperatures of -30°C/+50°C.

AFTER ACTIVATION OF THE LOAD ARRESTER:
Do not stand under a secured load.
In order to release the device cable, the load to be secured must be raised, which will release the latches of the load arrester. It is recommended to allow the device cable to return to the housing in a controlled manner - sudden release of the cable will cause a quick return.
After activation, the device should be disassembled and returned to an authorized service center or manufacturer for service (e.g. friction plate replacement). The device must not be serviced by untrained persons.

TIME OF USE
There is no designated lifetime of a load arrester provided that periodic inspections are performed on time.

PERIODIC INSPECTIONS
After every 12 months of use, the load arrester should be withdrawn from use and subjected to a detailed factory periodic inspection. The device may only be inspected by the manufacturer or its authorized representative. During the periodic inspection, the service life of the unit will be determined until the next periodic inspection. All information related to the periodic inspection must be recorded in Identity Card.

WITHDRAWAL FROM USE
A load arrester must be withdrawn from use immediately if there are any doubts as to its correct condition and operation. The device must not be used until the equipment manufacturer or its authorized representative carries out a detailed inspection and gives its written consent to use the equipment. A load arrester must be immediately withdrawn from use and sent to the manufacturer or its authorized representative for a detailed inspection if it was involved in a fall arrest.
Any repairs or service activities may be performed only by the manufacturer of the device or its authorized representative.

TABLE # 1

Device type	Braking distance for a weight of 100kg	Maximum force when braking 100kg	Braking distance for a weight of 200kg	Maximum force when braking 200kg	Braking distance for a weight of 300kg	Maximum force when braking 300kg
LA 300 06	0,5 m	6kN	0,6 m	7kN	1,0 m	8kN
LA 300 08	0,5 m	6kN	0,7 m	7kN	1,2 m	8kN
LA 300 10	0,6 m	6kN	0,8 m	7kN	1,5 m	8kN

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 MANUFACURE	
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