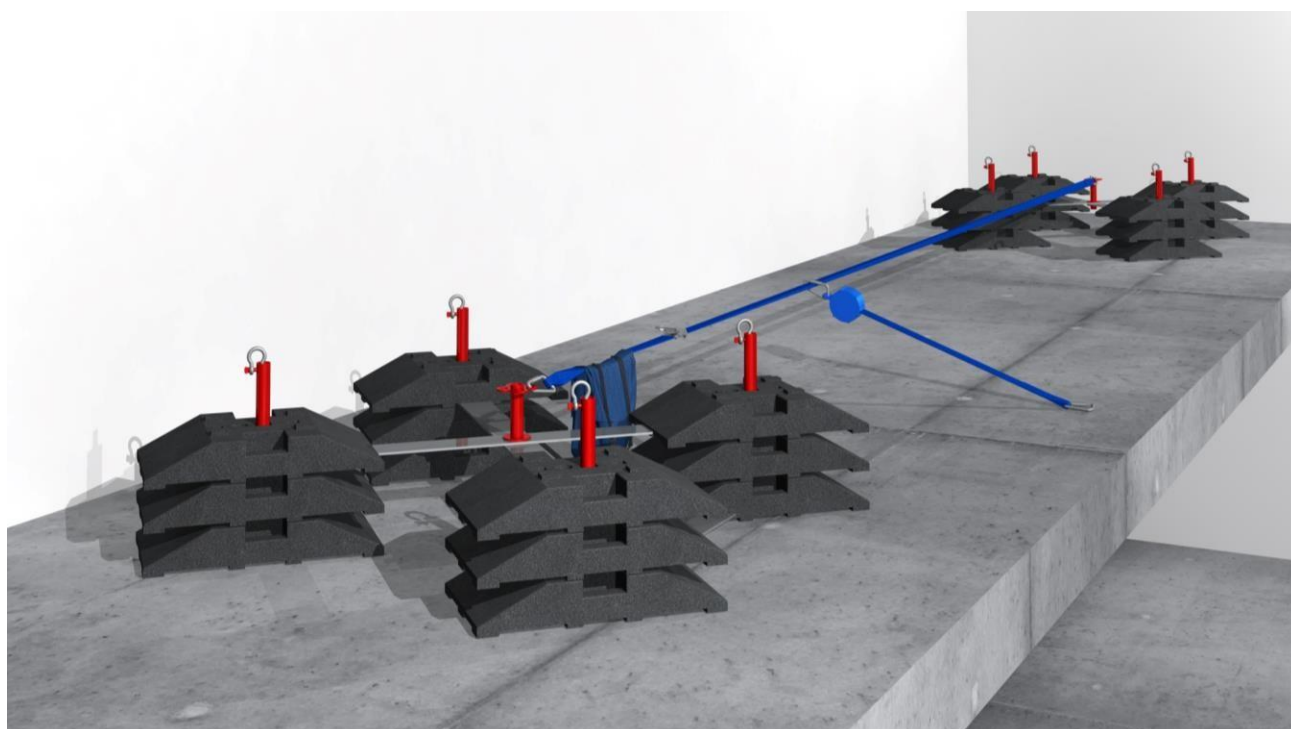


“SPIDER” FALL ARREST SYSTEM

“SPIDER” ANCHORING DEVICE

SAFE WORK AT HEIGHTS



TECHNICAL DOCUMENTATION

ATTENTION !

BEFORE EVERY USE OF THE SPIDER SYSTEM, THE USER SHALL READ THIS TECHNICAL DOCUMENTATION AND ALWAYS STRICTLY FOLLOW THE RULES DESCRIBED HEREIN. THESE INSTRUCTIONS WERE PREPARED FOR ALL WORKERS AND PEOPLE THAT WILL WORK ON TRANSPORTING, UNLOADING, ASSEMBLING, DISASSEMBLING, STORING, CHECKING AND ANY OTHER WORKS CONNECTED TO THE SYSTEM. EVERY USER IS OBLIGED TO READ AND GET FAMILIAR WITH THE SYSTEM'S TECHNICAL DOCUMENTATION!

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INTRODUCTION

This technical documentation contains the guidelines concerning the proper use of THE SYSTEM. Workers and other people using the system shall always observe the guidelines contained herein. In case of any events not described in this document, the occupational safety and health regulations and other regulations, appropriate to the specific situation, shall be observed.

It is forbidden to modify the system in any other way than described in the technical documentation. The manufacturer is not liable for any modifications in the system in a way that is not described in the Technical Documentation.

1. MANUFACTURING BASIS

The system is aimed at increasing the safety of works performed at heights. The design of the FALL ARREST SYSTEM was drawn in accordance with the Applicable laws and technical norms:

- | | |
|-----------------|--|
| EN-795:2012 | – protection from falling - anchoring devices. |
| EN-360_2005P | – Personal protective equipment, securing the workers from falling – self-locking devices, |
| PN-EN-362_2006P | – Personal protective equipment, securing the workers from falling – connectors |
| PN-EN-354_2012P | – Personal protective equipment, securing the workers from Falling from height – safety lines, |
| PN-EN-361:2003 | – Personal protective equipment, securing the workers from falling – safety harnesses |



2.0 OPERATING MANUAL

2.1 TERMS AND DEFINITIONS

Fall arrest system:

Anchoring devices working together that make a system which protects users from falling from height or preventing such fall.

Anchoring device:

An element or set of elements that are equipped with anchoring point or points.

Element:

Lines, tapes and hooks – these are examples of e.g. the fall arrest system

Anchoring points:

An element to which the personal protective equipment can be attached

Extreme anchoring point:

An element to which is attached one of the ends of the anchoring line or the stiff anchoring line. The extreme anchoring point is attached to the structure (e.g. a wall, a pole or an inertial ballast etc.).

A mobile anchoring point:

An element equipped with an anchoring point and used to move along the anchoring line

Anchoring line / Flexible anchoring line:

A flexible line attached between the extreme anchoring points

Safety line:

An element – e.g. the tape of a self-locking device – to which the PPE equipment (e.g. a safety harness) can be attached – with the use of an anchoring element (e.g. a snap ring)

A fall-arrest device:

A set of elements, anchoring devices or other combination of constructional elements which are protecting the user from falling from height / through the edge – it is for example “a gallows”

A self-locking device:

A device protecting from fall with the self-locking function and automatic stretching and rolling the safety line back.



2.2 PURPOSE AND SCOPE OF USAGE

The "SPIDER" FALL ARREST SYSTEM consists of two or more inertial ballasts equipped with extreme anchoring points.

Between the extreme anchoring points there is a flexible anchoring line to which the self-locking device is attached (equipped with a safety line and a shock absorber).

The self-locking device is equipped with an anchoring line with the use if a mobile anchoring point.

THE "SPIDER" ANCHORING DEVICE consists of the inertial anchoring mass, equipped with four anchoring points for the self-locking device or a safety line with a shock absorber.

THE "SPIDER" FALL ARREST SYSTEM together with the PPE (a harness, a self-locking device, an anchoring line) is used to provide safety while working at heights. The system protects its user from falling from height while performing assembly works (roofing works, assembly of collective protection elements etc.).

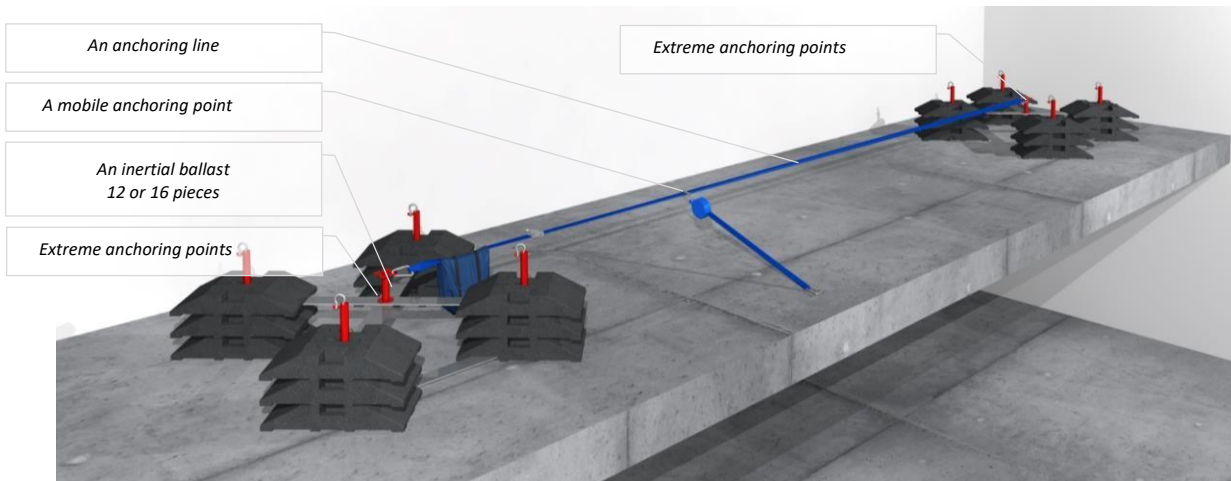
The system is aimed to be used in places to which workers need access, but there is no collective protective equipment, i.e. railing or individual anchoring points.

The system can be used on all roofing surfaces – even damp or made of sheet metal (additional load needed).

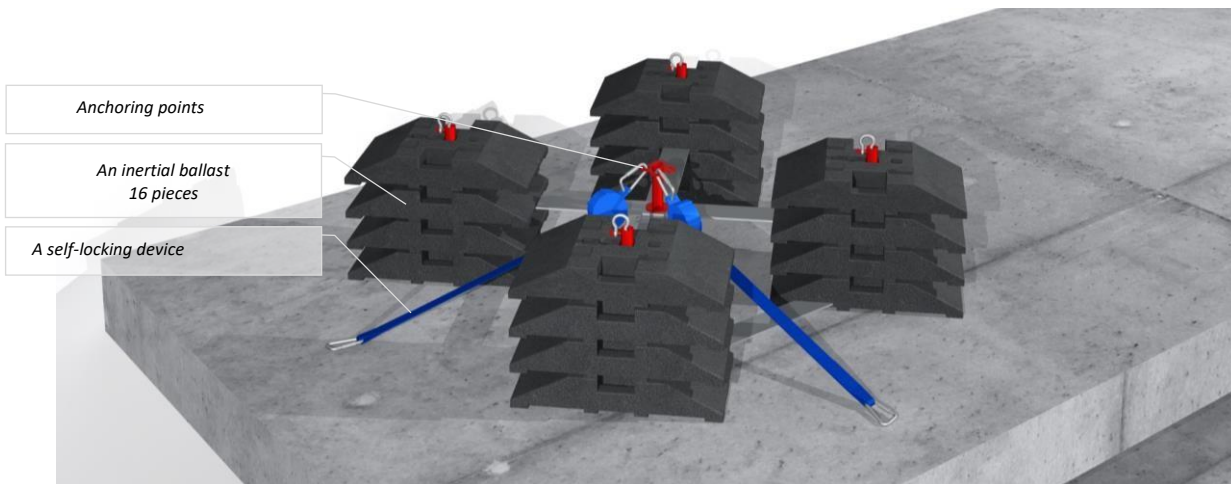
The use of the FALL-ARREST SYSTEM is allowed only on condition of adhering to the Technical Documentation and proper occupational safety and health regulations.



CONSTRUCTION OF THE "SPIDER" FALL ARREST SYSTEM – TYPE C/E



CONSTRUCTION OF THE "SPIDER" ANCHORING DEVICE – TYPE E



2.3 ALLOWED WORKING PARAMETERS OF THE "SPIDER" FALL ARREST SYSTEM

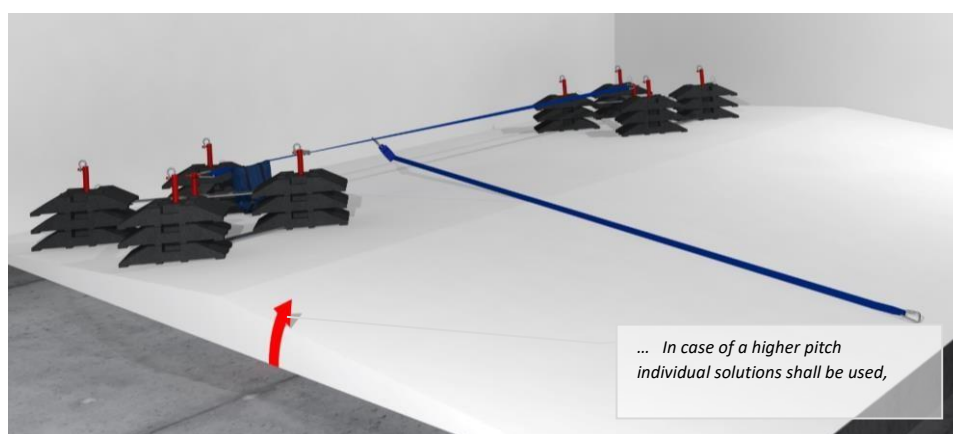
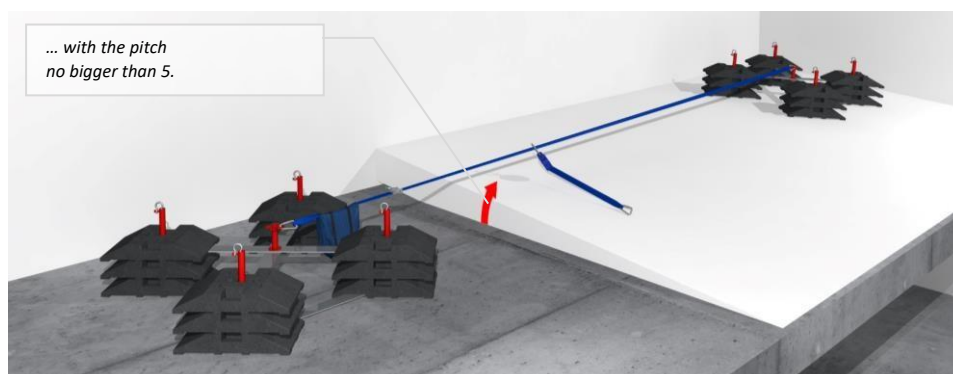
The SPIDER fall arrest system is allowed to be used on flat surfaces, with the pitch no bigger than 5.

In case of a higher pitch, individual solutions shall be applied (see the figure below).

The system can be used on all roofing surfaces – even damp or made of sheet metal (additional load needed).

In order to ensure proper and safe work of the fall arrest system, the usage of it is divided into "typical" and "special" surfaces. The table below shows the technical parameters.

type of the surface	typical	special	[°] max.	Number of weights
concrete	V			12
concrete slabs (rough)	V			12
roofing tar paper	V			12
waterproofing capping sheet	V			12
sheet metal		V	5	16
membrane		V	5	16



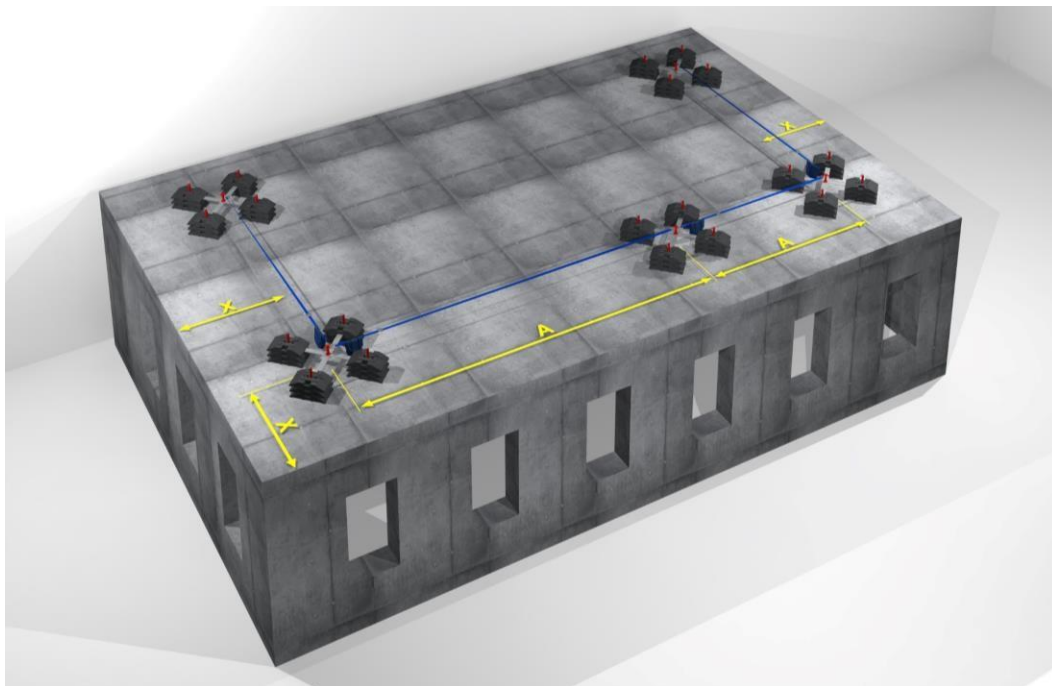
While choosing the proper SPIDER fall arrest system to a given surface, different possibilities of damages on that surface while moving the ballast (what can lead to an uncontrolled slide and destruction of the roofing) shall be taken into account. Such situations may pose a direct threat to the users' health and life.

The flexible anchoring line has a range from 5 to 20 m. The working scope = range + 3m.

The distance of the anchoring line from the outer edge of the floor (see the table):

Range A [m]	5	8	12	15	18	20
Distance from the edge X [m]	2.5	3.0	4.0	4.0	4.5	5

The maximum number of users is 2 – for the set configured as a system “not allowing” a fall through the edge to occur.



The SPIDER fall arrest system is available in two configurations:

“protecting – 1 person” and “preventing – 2 people”.

The protecting configuration is characterized by a defined safe height over an obstacle – as it was described further in this document.

The second configuration does not allow the fall through the edge to take place and is not characterized by a defined safe height over an obstacle.

Such configuration demands using the self-locking devices with safety lines shorter than the X length.

It results in no possibility to cross the other edge in an uncontrolled manner.



2.3.1 ALLOWED WORKING PARAMETERS OF THE “SPIDER” ANCHORING DEVICE

The SPIDER anchoring device is allowed to be used on flat surfaces with the pitch no bigger than 5.

In case of a higher pitch, individual solutions shall be applied (see figure above p. 2.3).

The system can be used on all roofing surfaces – even damp or made of sheet metal (additional load needed). In order to ensure proper and safe work of the fall arrest system, the usage of it is divided into “typical” and “special” surfaces.

The table below shows the technical parameters.

type of the surface	typical	special	[°] max.	Number of weights
concrete	V			16
concrete slabs (rough)	V			16
roofing tar paper	V			16
waterproofing capping sheet	V			16
sheet metal		V	5	2*12
membrane		V	5	2*12

While choosing the proper SPIDER fall arrest system to a given surface, different possibilities of damages on that surface while moving the ballast (what can lead to an uncontrolled slide and destruction of the roofing) shall be taken into account. Such situations may pose a direct threat to the users’ health and life.

The distance of the anchoring line from the outer edge of the floor (see the table):

Configuration: “not allowing a fall”

The length of the safety line Lsh [m]	3.5	6
Distance from the edge X [m]	5.5	8

Configuration: “preventing a fall to happen”

The length of the safety line Lsh [m]	3.5	6
Distance from the edge X [m]	2.5	2.5
Safe height over an obstacle H [m]	3.5	6

The maximum number of users is 2 – for the set configured as a system “not allowing” a fall through the edge to occur.



2.3.2 PENDULUM EFFECT

A potentially dangerous situation while working with the fall arrest devices is the so called “*Pendulum effect*”. It occurs when a user walking perpendicularly to the edge changes his/her direction and starts walking along the outer edge. It increases the angle between the device’s axis and the axis perpendicular to the edge (see the figure below).

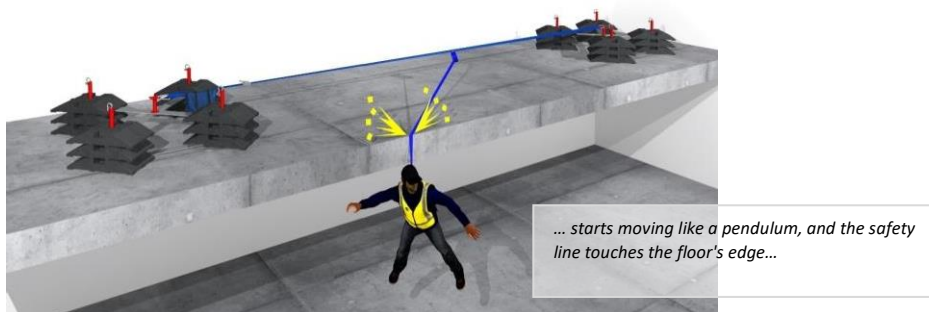
In case of a fall through the edge, the user attached to the device starts moving like a pendulum, and the safety line touches the floor’s edge.

Such situation poses a direct threat to the users life and health. Such type of a fall is not allowed by the manufacturer of standard self-locking devices, and requires using other type of safety devices.

The use of the self-locking devices with a safety line adjusted to a fall through the edge shall be consulted with the manufacturer.

The SPIDER fall arrest system in its typical configuration is a set preventing workers from falling through the edge. In such configuration, the maximum allowed number of users is 2.

In order to avoid the pendulum effect to take place, the users shall remember about moving the mobile anchoring point along the anchoring line, so that they can adjust the working scope and ensure safety of operation (width 3 m – see “Position in relation to the floor”).



POSITION IN RELATION TO THE FLOOR

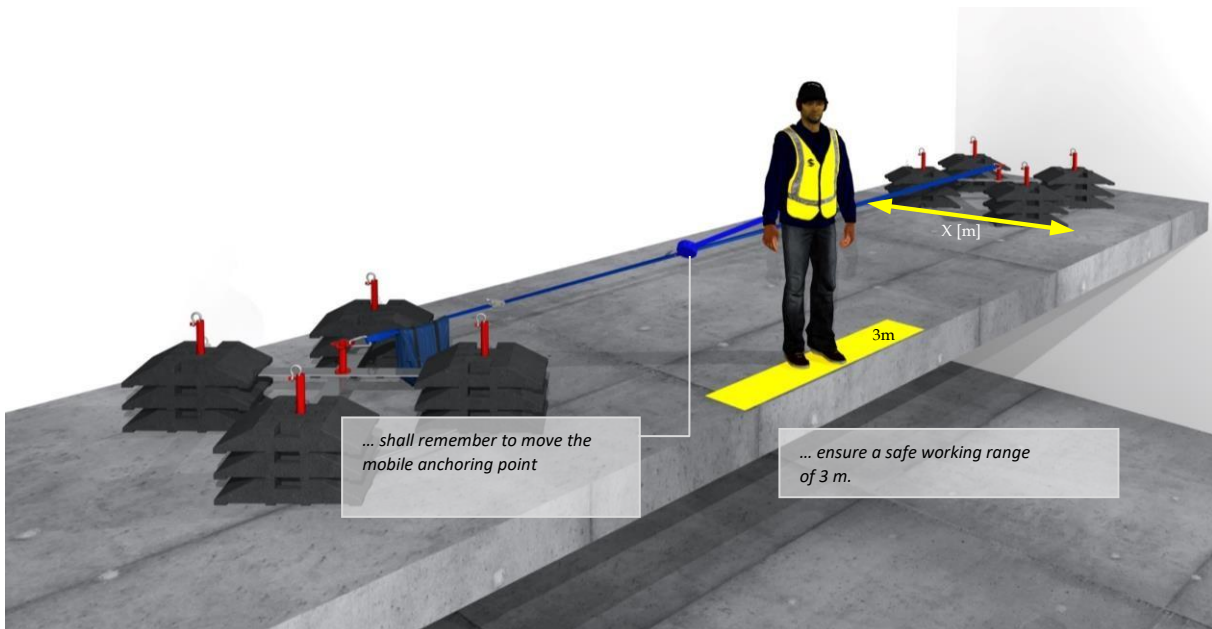
From the above conditions (the pendulum effect, the risk of contact between the safety line and the edge of the floor) come another guideline concerning the position of the mobile anchoring point in relation to the floor.

The recommended minimum distance of the anchoring line from the floor's edge is defined by the X parameter.

For example (figure below) it is recommended that the approach to the floor's edge shall be limited to 3 m. The figures below explain that rule.

The rule comes directly from the PPE 89/686/EEC + CNB/P/11.060 directive – concerning falls through the edge. The experiences coming from the guidelines of that directive are helpful while determining the safe limits of the fall arrest system operating scope.

In order to avoid the pendulum effect to occur, the user shall remember to move the mobile anchoring point along the anchoring line to ensure a safe working range of 3 m.

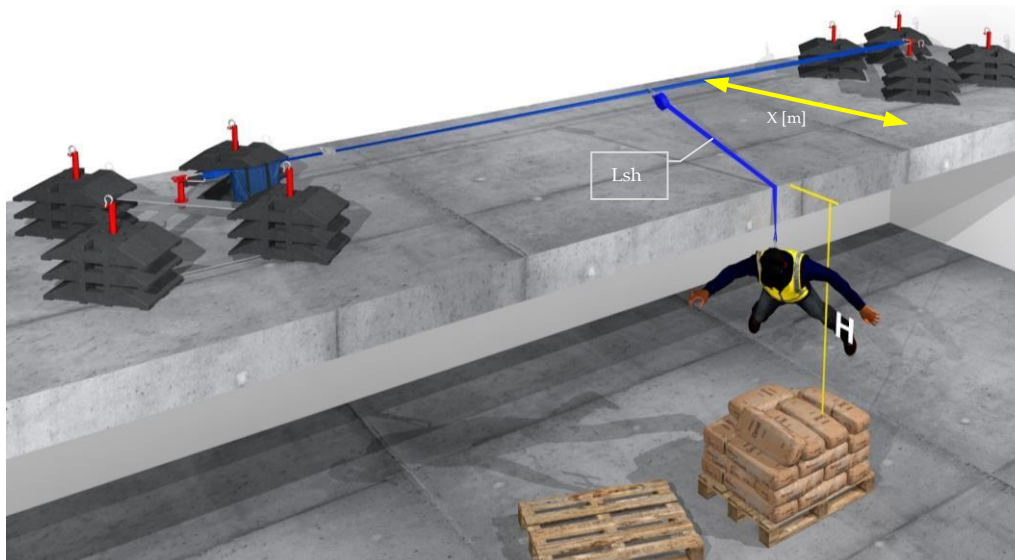


2.3.3 SAFE HEIGHT OVER AN OBSTACLE

The SPIDER fall arrest system is available in two configurations: “protecting” and “preventing”. The protecting configuration shall be characterized by a safe height over an obstacle. If there is a threat of falling through the edge, the length of the self-locking device’s safety line shall be adjusted in order not to allow for hitting of any elements placed below. The second configuration does not allow the fall through the edge to take place and is not characterized by a defined safe height over an obstacle.

*Lsh [m] The length of the self-locking device's tape.
 H [m] – The distance from the nearest obstacle placed below
 the working area of the SELF-LOCKING DEVICE.*

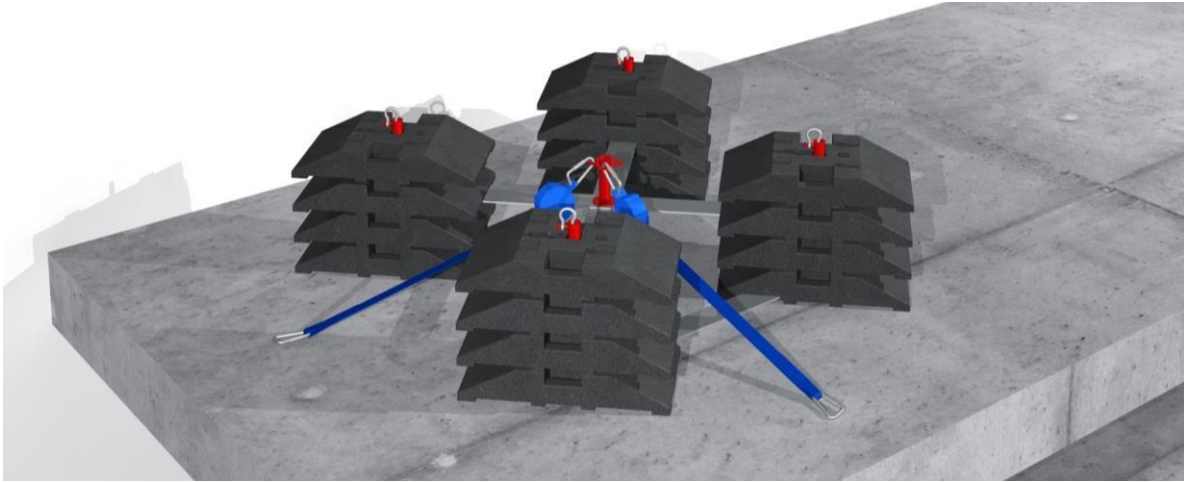
If the length difference between the self-locking device and the height of the working surface over an obstacle is smaller than 2.6, it means that it is a safe distance from the obstacle in case of a fall (with the maximum extension of the safety line).



Range A [m]	5	8	12	15	18	20
Distance from the edge X [m]	2.5	3.0	4.0	4.0	4.5	5
H (for the self-locking device. 3.5 m)	3.7	3.8	3.5	4.1	4.2	4.6
H (for the self-locking device. 6 m)	6.2	6.3	6	6.6	6.7	7



For the SPIDER anchoring device, the relation between H and Lsh was presented in the below table (according to p. 2.3.1)



Configuration: "preventing a fall to happen"

The length of the safety line Lsh [m]	3.5	6
Distance from the edge X [m]	2.5	2.5
Safe height over an obstacle H [m]	3.5	6



2.4 RULES FOR SAFE OPERATION

During the operation of the FALL-ARREST DEVICE, workers shall bear in mind the safety of the users, any personnel or people that may be affected by the operation of the device.

The SPIDER FALL ARREST SYSTEM is intended solely for the purposes described in this manual. Any operation not in compliance with the manual is forbidden by the producer.

The FALL ARREST DEVICE protects users working at heights from falling.

Before using the device, the worker shall read this manual. This manual shall be always available for reference.

Improper use of the system poses a risk for the user as well as other people near the user.

Before using the FALL ARREST SYSTEM, the users shall read the Technical Documentation of the system. Each user working with this fall arrest system shall undergo a training concerning the use of personal protective equipment providing protection from falling.

Each user of the system:

- shall not stand within the range of the FALL ARREST DEVICE during transport.
- Shall wear proper personal protective equipment.
- Shall remove any elements not connected to a given work which may pose a threat (cables, hoses, unnecessary material).
- An inertial anchoring ballast can only be used to protect from a fall from height, in accordance with the guidelines contained herein. Under no circumstances may the system be used while hanging.
- To one anchoring device may be attached maximum two people (concerns the configuration PREVENTING A FALL). In case of a configuration PROTECTING FROM A FALL the device can be used by only one person,
- It is obligatory to check the space under the working area in order to avoid hitting any objects or surfaces placed below before the fall-arrest equipment secures the worker (concerns the configuration PROTECTING FROM FALLING),
- During the use of the anchoring ballast the users shall pay attention to some dangerous situations that may influence the operation of the equipment or the safety of users. They shall especially pay attention to any tied up and moving lines on sharp edges, the pendulum effect, electricity, low temperatures, damages to the equipment, negative influence of the climate, chemicals and pollutants.



- The anchoring ballast can be used as a fall arrest system with self-locking devices (in accordance with the EN 360), shock absorbers (EN 355) and self-clamping devices with flexible rail (EN 353-2)
- The users who want to join the anchoring ballast with self-locking devices or safety shock absorbers manufactured by other producers shall inspect all potential threats, as those elements were not tested as a compatible fall arrest system.
- In order to avoid damages to the materials (raw materials) which the device is made of, the users shall remember to keep its elements in clean condition. It applies especially to the elements that are responsible for transporting loads with the use of moves generating friction – rubber weights. The rubber elements shall be cleaned only with water, with no use of chemicals. The elements that will get wet during the cleaning or using shall be thoroughly dried in natural conditions, away from any heat sources.
- The device shall be stored in a loose package in a well-ventilated room and protected from direct sunlight, ultraviolet radiation, dust, sharp objects, extreme temperature and caustic substances.
- The device shall not be used as a provisional crane and was not designed in order to lift and lower materials, e.g. constructional materials.
- Elements not delivered with the complete device shall not be attached to the system. It may have a negative impact on mechanical parameters and affect the operational safety.
- During the transport, workers shall act carefully in order to avoid possible impact to the constructional elements. In case of damaging any elements of the device, it shall be immediately withdrawn from further operation.
- The assembly shall be performed with due care. In case of damaging any elements of the device, it shall be immediately withdrawn from further operation or checked by a trained person.
- The place where the fall arrest device is used shall have a rescue plan implemented, in case of an event that led to securing from a fall.
- If the device is transported with a crane, workers shall pay special attention to any movements of a crane and keep safe distance from it.
- The fall arrest device is intended to be used as a part of a fall arrest system with a falling rate of 1. The self-locking device shall be stretched between the anchoring point and the worker.
- If a self-locking device is to be used, it has to be checked for holding appropriate certification.
- The personal protective equipment that protects from falling and used in connection with the fall arrest system must be marked with the CE mark and certified in the country in which it is intended to be used.
- The personal protective equipment used as a part of the system protecting from falling shall be equipped with a device that limits the strength impacting the operator to no more than 6 kN.



- It is not advised to use the fall-arrest device in case of people suffering from cardiovascular diseases, under the influence of alcohol or drugs or in any other health conditions that may impact the worker's mental or physical capabilities.
- Introducing any changes and complementing the equipment/system demands a written consent from the manufacturer. Any repairs of the system's elements must be performed in accordance with the procedures declared by the system's manufacturer.
- In case of selling the fall arrest device abroad (to a different country than the country where it was intended to be used in), the seller shall provide the operation, maintenance and periodical inspection instructions in the language of a country where the equipment is to be used.
- After 12 months of operation, the inertial anchoring mass must be withdrawn from operation and undergo a periodical inspection (see the chapter below). In case of any factors that influence the condition of the device, e.g. harsh working conditions or a very high operation frequency, the periodical inspection shall be performed more often. The periodical inspection must be performed by a qualified person, responsible for protective measures and equipment in the company, according to the procedures described by the producer. The inspection may also be performed by a producer or a certified representative of the producer.
- The inertial mass can be used for 5 years. After 5 years of using, it shall undergo a detailed inspection performed by the producer. That inspection may be performed only at a producer's facility or a facility of its certified representative.



2.5 SYSTEM'S CHECK

QUICK CHECK

Before each use of the device, its technical condition shall be checked in terms of:

- completeness of the system's elements,
- completeness of screws, connectors,
- no damages to any welds,
- any bent, broken, cut or otherwise damaged elements,
- check if all assembly holes are unobstructed and do not hamper the proper assembly,
- check of the product's markings, its readability, lack of damages (i.e. they are not wiped, broken etc.).

If any of these requirements are not met, the user shall stop using the system and inform the manufacturer about the need to perform a detailed inspection.

DETAILED CHECK

The detailed check of the fall arrest system shall be performed by the manufacturer or any appropriate entity:

- always before delivering the device to a construction site,
 - after 12 months of using the system,
 - always when the device has not been used for longer than 3 months,
 - after every information from the user about the need to perform the detailed check.
- For the detailed check, performed at the request of the user, shall be charged a fee.

PERIODICAL CHECK

CHECK AFTER A FALL FROM HEIGHT

In order to provide proper operation and safety of the fall arrest system, the periodical check of the system shall be performed at least once every 12 months (each element that is included in the device). The check must be performed by a competent person holding proper authorizations.

In any situation when the FALL ARREST DEVICE was used – i.e. in case of a fall – the used elements of the device shall be immediately withdrawn from further operation and handed over for a check. The check shall be performed by the manufacturer or a person who was trained by STRUMIN.



PERIODICAL CHECK EXPIRATION DATE

The periodical check expiration date is clearly marked on the outer edge of the check label [term (year and month) of the next check]



2.6 MAINTENANCE

The elements of the FALL ARREST SYSTEM are protected with lacquer.

While cleaning and performing the maintenance of the elements there shall always be used substances that do not react with lacquer.

In case of any chips, they shall be filled with proper lacquer coating.

2.7 QUALIFICATIONS OF THE FALL ARREST SYSTEM'S USERS. Workers operating the

system should:

- read the complete TECHNICAL DOCUMENTATION OF THE FALL ARREST SYSTEM – the training shall be confirmed in writing,
- finish a training on the occupational safety and health,
- undergo a training about using the personal and collective protective equipment, especially concerning the protection of works performed at heights.



2.8 CONNECTING THE FALL ARREST SYSTEM WITH A SLING

- Connection of the FALL ARREST DEVICE with a crane's sling shall be performed only by a person holding qualifications described in 2.9 and the permissions for a hook operator.
- The crane's sling can only be attached to indicated places, i.e. transport brackets.

The workers shall check if:

- the slings are certified, do not contain any visible defects and are proper for transporting the system's elements,
- flexible connectors are not twisted or tied up,
- the bond between the slings and a transport bracket is firm,
- the crane's hook is complete.

2.9 INSTALATION OF THE FALL ARREST SYSTEM

Installation of the FALL ARREST DEVICE can only be performed by a person who has read the technical documentation. The site manager or another authorized person is responsible for the deployment and the choice of working places.

Before the assembly, it shall be checked if the device is complete and has no visible signs of damages.

The assembly of the device shall be performed with caution. In case of damaging any elements of the system, it shall be immediately replaced or checked by a trained person.

The vertical transport shall be performed with a crane, in accordance with the guidelines described in 2.8.

2.10 DISASSEMBLING AND MOVING THE DEVICE BETWEEN WORKPLACES

During the disassembly of the FALL ARREST DEVICE workers shall keep all security measures and comply with the same regulations as during the assembly process.

During the disassembly of the FALL ARREST DEVICE all elements not belonging to the system shall be disconnected. It is forbidden to put on the harness during the transport.

2.11 USE OF THE FALL ARREST SYSTEM

During the use of the fall arrest system, the workers shall meet all the requirements described in the Technical Documentation and in any laws and regulations that apply



3.0 DEVICE'S REGISTER







DEVICE'S REGISTER				
Name of the product:				
Model and type / identification:	Trade name:		ID No.:	
Producer:	Address:		Phone No., e-mail, web page:	
Date of production / Date of expiry	Date of purchase:		The date of the first use:	
Other important information (e.g. document No.):				
PERIODICAL CHECKS AND THE HISTORY OF REPAIRS				
Date:	Reason (periodical check or repair):	Defects found, repairs performed and other relevant information:	Name and signature of a competent person:	Periodical check – next term:



PERIODICAL CHECKS AND THE HISTORY OF REPAIRS				
Date:	Reason (periodical check or repair):	Defects found, repairs performed and other relevant information:	Name and signature of a competent person:	Periodical check – next term:



4.0 RATING PLATE

 FALL-ARREST DEVICE [SPIDER]	
Name / Type:	INERTIAL ANCHORING MASS
Serial number:	025
Year of production:	2022
Weight:	370 kg
EN-795:2012, Type B 	
P.P.H.U STRUMIN 32-084 MORAWICA 191	
	<i>Anchoring point, max. 2 people</i>
	<i>Read the safety instruction / User manual</i>
	<i>Use personal protective equipment (PPE)</i>
	<i>Use personal protective equipment (PPE)</i>

- The information contained on a rating plate allow to precisely identify each device based on its ID/Serial number.
- All documents attached to the device, such as the device's register after check or the user manual, are related to the ID / serial No. on the device in order to avoid any mistakes.
- The warning field on the rating plate informs, with the use of text and symbols, about possible dangers when the device is working.

Dangers

- Act accordingly to the safety instructions and use personal protective equipment (PPE)



5.0 TABLE: DANGER → RISK → PROTECTION

No.	DANGER	RISK	RISK ASSESSMENT	PROTECTION MEASURES
1	NOT SUFFICIENT MECHANICAL DURABILITY	Using a damaged or destroyed rubber ballast.	Fall of the construction. Danger to health and life.	Check, control and properly store the rubber ballasts.
		Damaging or destroying the central pole (pole assembly).	Fall of the construction. Danger to health and life.	Check, control in accordance with p. 2.5.
		Damaging of destroying the ballast's pole.	Fall of the construction. Danger to health and life.	Check, control in accordance with p. 2.5.
2	Smashing, squashing	Placing a foot, hand or other body part under the ballast while its lowering and assembly.	Squashing, cutting, injuring or scraping any part of the body. Danger to health and life.	Stand in a safe distance from the ballast during its lowering or assembly. Wear proper personal protective equipment.
		Moving the device through holes and gates.	Smashing or bunting the ballast. Danger to health and life.	Perform proper measurements before transporting through narrow holes.
		Overturn of the wrongly placed ballast on the surface, construction.	Smashing, squeezing, injuring. Danger to health and life.	Place on a stable surface, in accordance with the Technical Documentation.
3	Hitting	Standing or working on the ballast while its lifting, positioning or lowering and setting.	Hitting the construction or other working surface with one's head / other body parts. Danger to health and life.	Use the device only in accordance with its purpose, read the Technical Documentation of the system. Apply proper personal protective equipment.



3	HITTING	Too high lifting speed and the speed of moving the device by a crane.	Hitting the load with one's head / other body parts. Danger to health and life.	Automatic crane's speed limiter while moving the platform (speed shall not exceed 1.0 m/s) and performing operations in a smooth manner by a crane's operator. Apply proper personal protective equipment.
		Shakes or vibrations. Dynamic loads of the platform.	Hitting the construction with one's head / other body parts. Danger to health and life.	Proper, smooth control of a crane's movement by its operator. Checking flexible connectors of a sling. Proper stretch of flexible connectors. Wear proper personal protective equipment.
4	IMPROPER POSTURE, WEARING A SAFETY HARNESS	Improper wearing of a safety harness or a self-locking device. Detachment from the device, falling or slipping on the surface	Musculoskeletal disorders. Hitting, breaking or injuring any part of the body. Danger to health and life.	Wear proper personal protective equipment, in accordance with this User Manual.
6	NOT USING THE PERSONAL PROTECTIVE EQUIPMENT	Not attaching to anchoring points, not using personal Protective equipment which protects from falling.	Falling from the floor or the scaffolding. Danger to health and life.	Anchoring points. Attaching to anchoring points proper PPE protecting form fall.
		Wear personal protective equipment proper for a given work.	Hitting, injuring, slipping, burning, electrocuting, poor visibility. Danger to health and life.	Wear personal protective equipment, proper for a given work. Define the safe work's system.
7	FALLING OR THROWN AWAY OBJECTS	Improper securing of the objects at the working place.	Hitting, breaking, injuring or burning any part of the body. Danger to health and life.	Wear proper personal protective equipment. Define the safe work's system.
8	CONDITIONS – ENVIRONMENTAL	Hitting by a lightning.	Electrocuting, burning. Danger to health and life.	Do not use during storms.
		Wind	Tripping, uncontrolled swivel of the catching arm. Danger to health and life.	Do not use when the wind speed exceeds 7 m/s.



	CONDITIONS - ENVIRONMENTAL	Icing, rainfall, snow or other adverse weather conditions.	Limitation of visibility. Slip, Danger to health and life.	Do not use the device during adverse weather conditions.
		Temperature	Possible discomfort while moving. Danger to health and life.	Use in temperatures from -10 to +40°C. Wear proper personal protective equipment.
10	CHEMICAL	Use of aggressive chemical agents for cleaning and maintenance of the device.	The danger of burning parts of the body and contaminating the environment.	Do not use aggressive cleaning agents causing the possibility of burning parts of the body, destroying the lacquered and galvanised layer and leading to corrosion of steel and contamination of the environment.



6.0 DESIGNER'S STATEMENT

According to art. 20(4) of the "Building Code" I hereby declare that
this project documentation
of the constructional part for the fall-arrest system – SPIDER inertial mass

was drawn in accordance *with the provisions of the code, rules and guidelines of technical knowledge (art. 20 point 4 of the 16 April 2004 Act, amending the 7 July 1994 Act – "Building Code" Journal of Laws no. 6, pos. 41/2004)*, binding technical and building provisions, as well as Polish and European Standards, and was handed in full to serve its purpose.

mgr inż. Jan Bąba
Uprawnienia budowlane do projektowania
i kierowania robotami budowlanymi
bez ograniczeń w specjalności
konstrukcyjno-budowlanej
czytelny podpis inżyniera projektanta

Projektant

designer's readable signature and seal



EU DECLARATION OF CONFORMITY, No.:

1. The "SPIDER" fall arrest system device (Serial No.),
2. Name and address of the manufacturer:
PPHU STRUMIN, Kamil Strumiński, 32--084 MORAWICA Morawica
191, TIN: 944 21 77 757,
3. This declaration was issued for the sole responsibility of the manufacturer: PPHU STRUMIN, Kamil Strumiński,
4. Object of the declaration: The "SPIDER" fall arrest system device as described in the Technical Documentation in the appendices No. 1 and 2 to this declaration:
"ANCHORING BALLAST - OPERATING MANUAL.pdf"
"ANCHORING BALLAST - ASSEMBLY MANUAL.pdf"
5. The object of this declaration described in 4 herein complies with the provisions of the EU's standards.

REGULATION (EC) NO 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
6. References to the standards describing the declared compliance:

The project of the fall-arrest system was drawn in accordance with the applicable laws and technical norms:

EN-795:2012 - protection from falling - anchoring devices.
7. The object of this declaration, described in Point 4. herein complies with the type, in accordance with the company's production inspection system No. ZKP/STRUMIN/01 and the rules of the supervised product inspections in random time intervals.

Signing on behalf of: Kamil Strumiński, PPHU STRUMIN

Przedsiębiorstwo Produkcyjno Handlowo
Usługowe **STRUMIN**
Kamil Strumiński Morawica 191
32-084 Morawica
NIP 944-21-77-757 REGON 120827987
tel. 515 488 585 STRUMIN.PL



(place and date of issuing):
MORAWICA
03-12-2021

