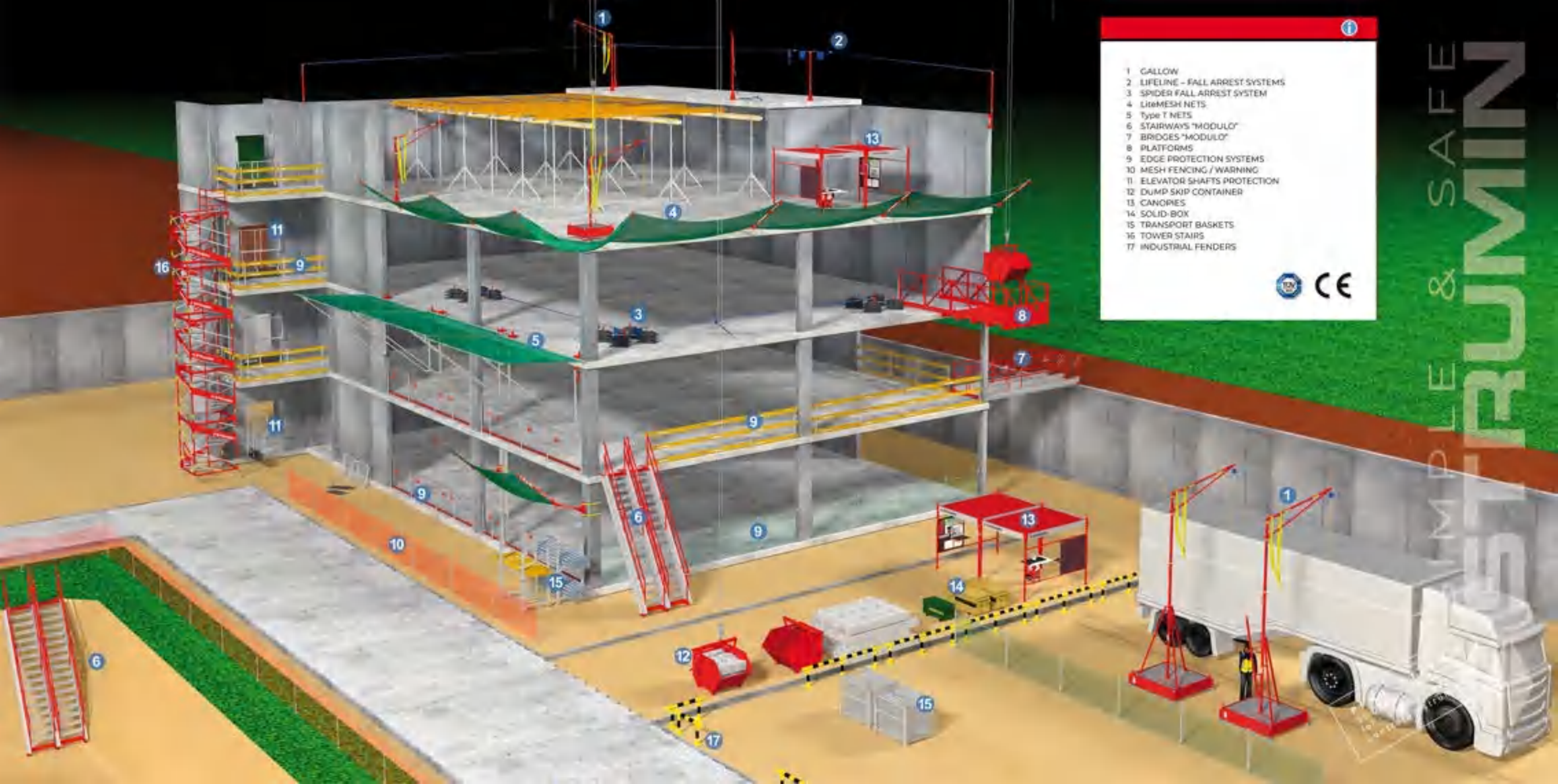




STRUMMINI





- 1 GALLOW
- 2 LIFELINE - FALL ARREST SYSTEMS
- 3 SPIDER FALL ARREST SYSTEM
- 4 LIMEMESH NETS
- 5 Type T NETS
- 6 STAIRWAYS "MODULO"
- 7 BRIDGES "MODULO"
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- 9 EDGE PROTECTION SYSTEMS
- 10 MESH FENCING / WARNING
- 11 ELEVATOR SHAFTS PROTECTION
- 12 DUMP SKIP CONTAINER
- 13 CANOPIES
- 14 SOLID-BOX
- 15 TRANSPORT BASKETS
- 16 TOWER STAIRS
- 17 INDUSTRIAL FENDERS



TRUMPF
& SAFETY

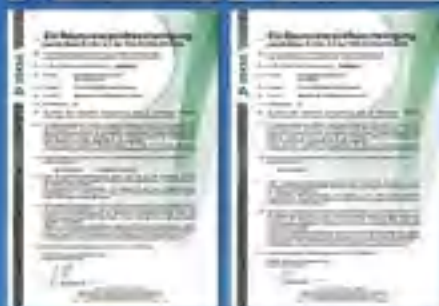


SAFETY AND QUALITY

Intensification of safety and quality standards in the construction industry and steel construction. As a result, the highest standards are required for the design and construction of steel structures. The highest standards are required for the design and construction of steel structures. The highest standards are required for the design and construction of steel structures.

THE QUALITY MANAGEMENT SYSTEMS

We have ISO 9001:2015 certification and ISO 14001:2015 certification. We have ISO 9001:2015 certification and ISO 14001:2015 certification. We have ISO 9001:2015 certification and ISO 14001:2015 certification.



DESIGN

We are in the field of safety design for the construction industry and steel construction. We are in the field of safety design for the construction industry and steel construction. We are in the field of safety design for the construction industry and steel construction.

EXPERIENCE AND PROFESSIONALISM

We are a modern company with many years of experience in the construction industry. We are a modern company with many years of experience in the construction industry. We are a modern company with many years of experience in the construction industry.

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PLATTFORMS

ERL

PLATFORMS

information



An unloading platform is used to transport materials and equipment to the construction site.

It allows to quickly load/unload materials between a construction site and any storey.

An outrigger platform is an ideal addition to a crane.

The size and carrying capacity allow to place on it materials, containers, moguls and different devices used at construction sites.

The mounting of the platform takes only few minutes and allows to save time both while changing its location and transporting materials.



Carrying capacity of 4 tonnes, the platform's floor at the same level as the ceiling ensures ergonomics.

advantages



- quick installation
- carrying capacity of 4 tonnes
- visibility
- universality
- cost-effectiveness
- mobility
- meets safety norms
- certified



Accessories for cranes



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Platform at the same level as the floor



anchoring points for PPE



Fixing of the crane's sling.



Anti-slip floor.



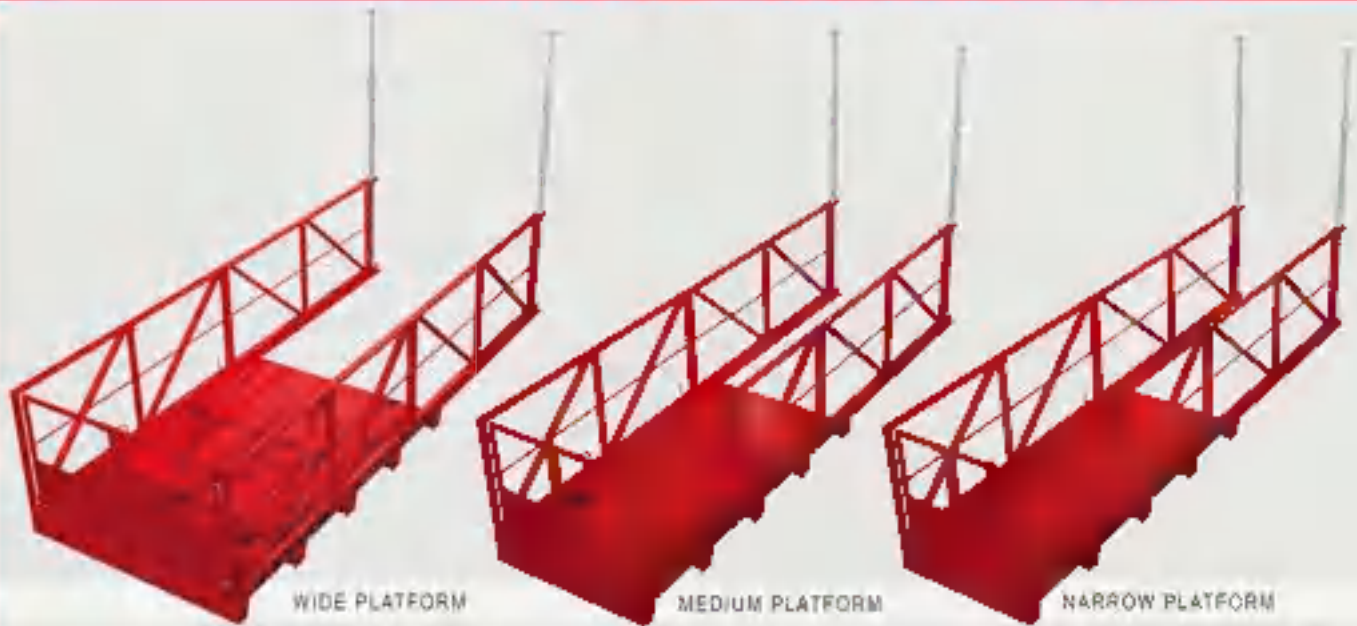
Gate/opening front part.
Possibility to transport long elements.

- three different sizes available
- maximum carrying capacity of 4 tonnes
- two stamps used for installation
- platform at the same level as the floor
- opening front part
- possibility to transport long elements
- anti-slip floor
- anchoring points for PPE
- railing with toe board
- compliance with EU standards

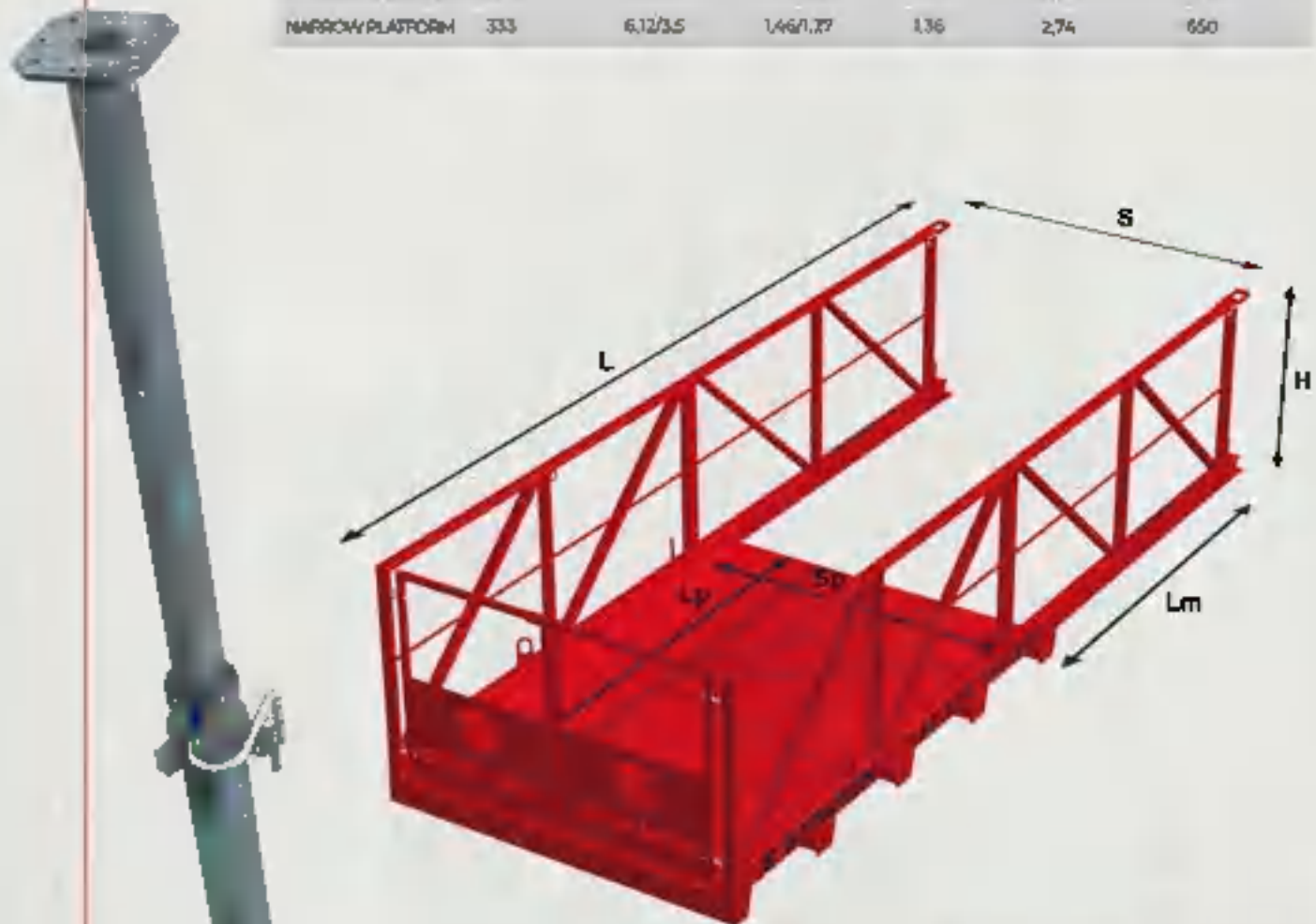




Technical specification of unloading platforms



NAME	CW. NO.	L/ka [m]	sko [m]	H [m]	Lm [m]	Weight [kg]
WIDE PLATFORM	331	6,12/3,5	2,36/2,2	1,36	2,74	850
MEDIUM PLATFORM	332	6,12/3,5	1,88/1,51	1,36	2,74	720
NARROW PLATFORM	333	6,12/3,5	1,46/1,27	1,36	2,74	650



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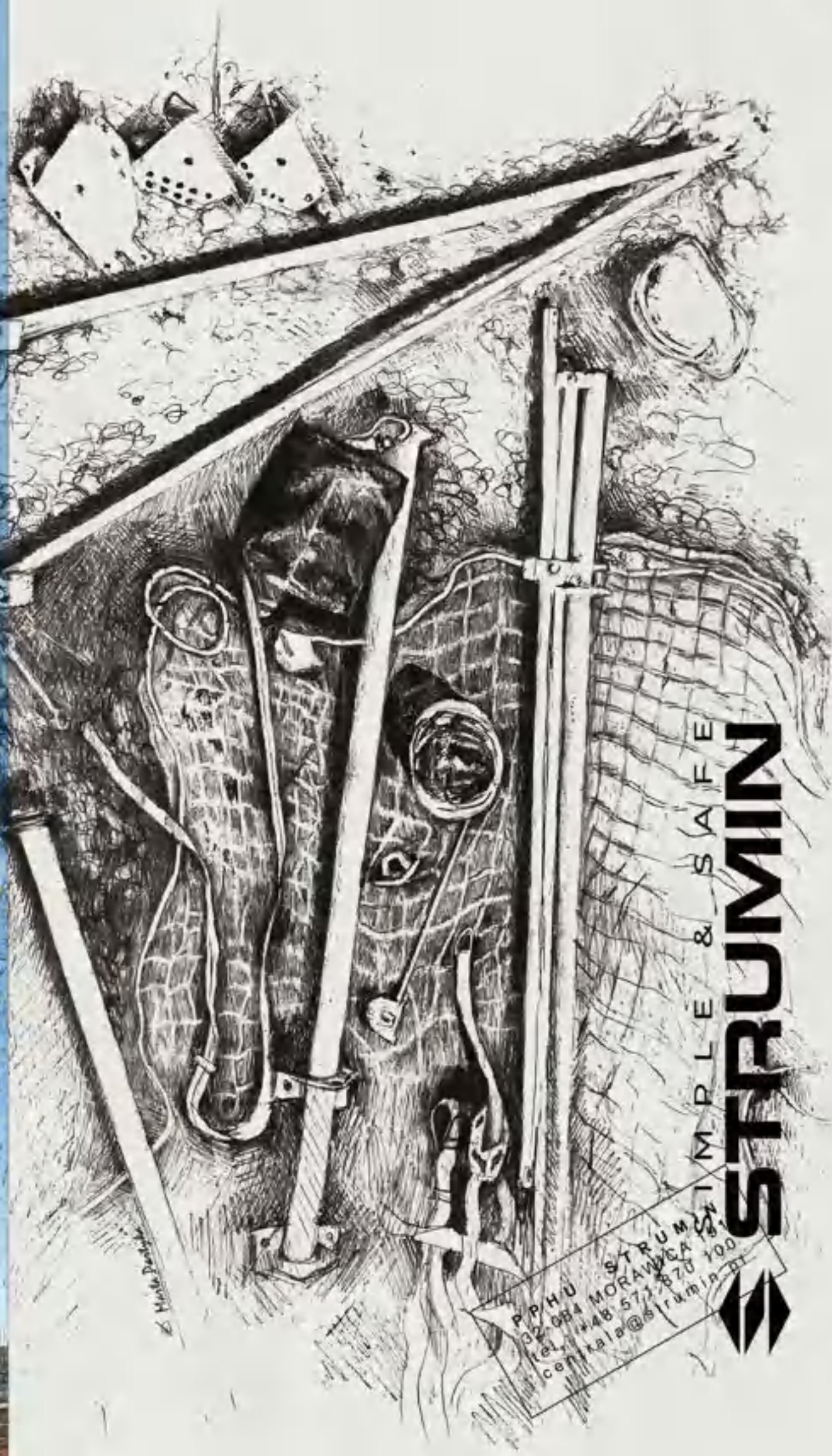
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FORM HEALTH & SAFETY ALE

Form and Safety SECURITY



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GALLOWS-TYPE FALL ARREST SYSTEM

information

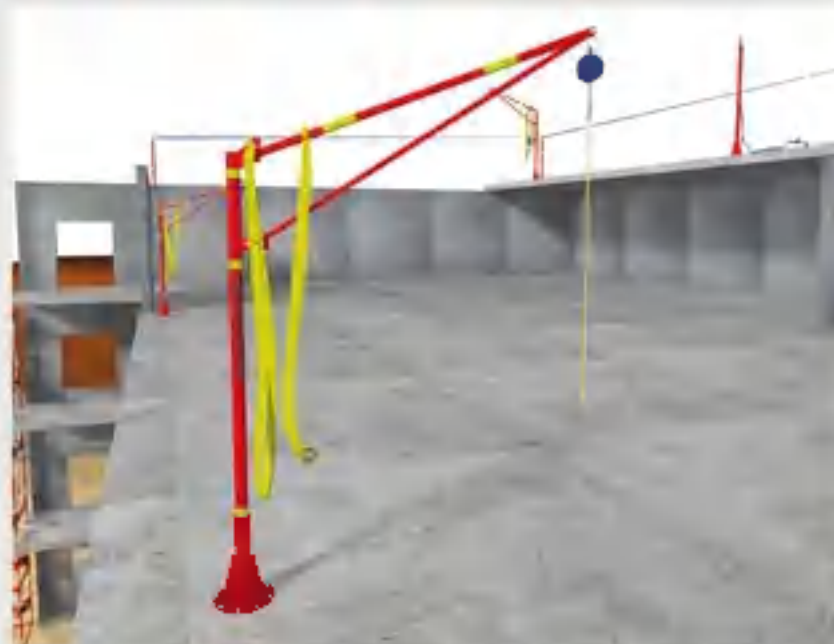
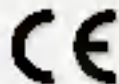


The gallows-type fall arrest system together with personal protecting equipment was designed to provide safety while performing works at height. Its aim is to protect the user from falling down during construction works.

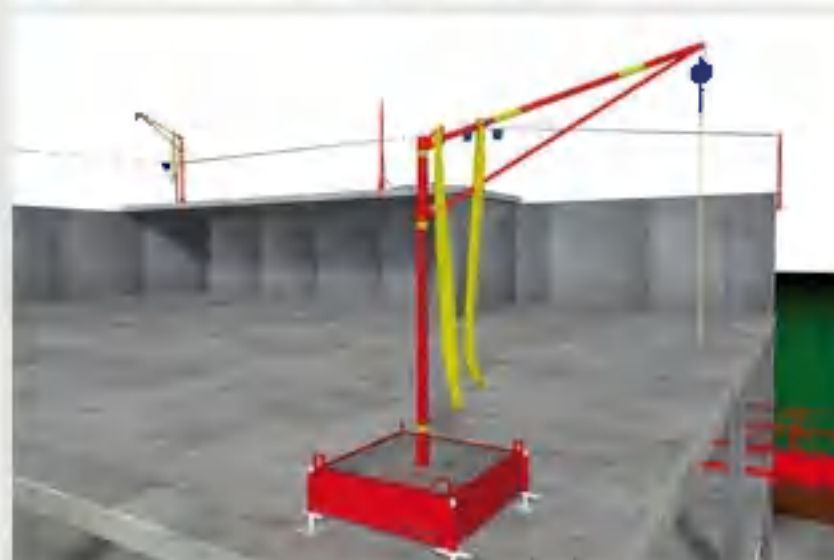
Depending on individual needs, the gallows can be mounted in several different types of sockets that are offered by the STRUMIN fall arrest system.

The system can be mounted either to the ceiling or to the wall and offers the possibility to use a concrete swamped socket or a concrete ballast.

The gallows is equipped with an anchoring point for the "Lifeline" fall arrest system. Low weight of the system allows manual assembly by only one person without the need to use a crane.



Gallows with a foot anchored to the ground.



Gallows mounted on a concrete ballast.



High gallows on a concrete ballast.

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Universal holder for a movable arm



Lifeline system adapter (type B anchoring point).



Type B anchoring point.



Socket anchored to a ceiling.



Self-assembly

Properties

- improves safety
- may save health and life
- low weight
- fast and easy mounting
- visibility
- modular design
- easy for storing and transporting
- EN-795 (type B) certificate
- compliance with the following standards:
EN-795_2012E
EN-354_2012P
EN-360_2005P
EN-362_2006P
- wide range of possible applications



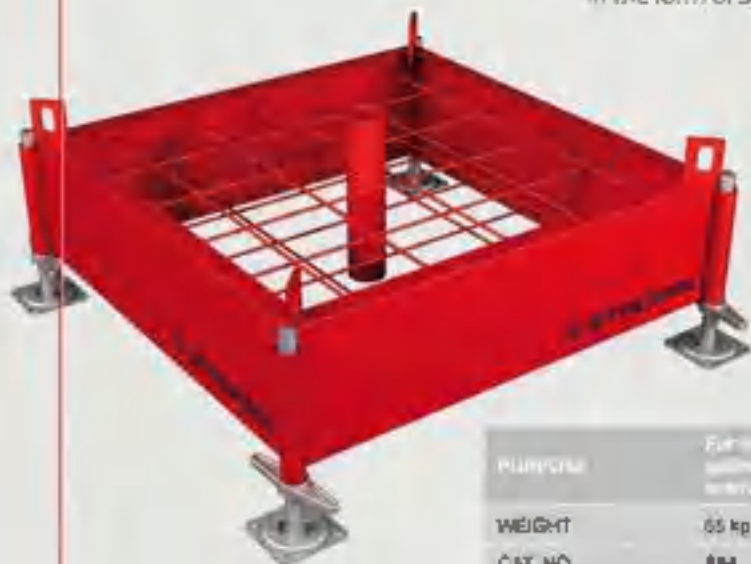
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FALL ARREST SYSTEM – SYSTEM'S ELEMENTS

SMALL BALLAST SOCKET

It is used to mount the gallows. The ballast can be placed in any given place on the surface etc. It is equipped with regulated feet that help to level the ballast on an uneven surface and transport brackets. It is available only in the form of shuttering ready to be covered with concrete.



PURPOSE	For mounting ballast device on different surfaces. It cooperate with selected type fall arrest device (cat. No. 880), extending adapter 150 cm (881) or extending adapter 60 cm (882).
WEIGHT	65 kg
CAT. NO.	884

LARGE BALLAST SOCKET

It is used to mount the gallows, lifeline poles and extending adapters. The ballast can be placed in any given place on the surface etc. It is equipped with regulated feet that help to level the ballast on an uneven surface and transport brackets. It is available only in the form of shuttering ready to be covered with concrete.



PURPOSE	For mounting ballast device on different surfaces. It cooperate with selected type fall arrest device (cat. No. 880), lifeline pole (889) or extending adapter (881) or extending adapter 60 cm (882), horizontal bracket (885).
WEIGHT	90 kg
CAT. NO.	882

FALL ARREST SYSTEM – SYSTEM'S ELEMENTS



"GALLOWS" FALL ARREST DEVICE

It is the basic element of the system. The catching arms is equipped with a type-B anchoring point that is mounted to the central pole which can be installed in a few different types of sockets offered by the system. The device allows for a complete turn round its pivot-centre, providing the ease of movement and optimal working scope.



PURPOSE	For mounting with a lifeline. It cooperate with selected lifeline device (No. 887) or with selected type fall arrest device (cat. No. 880), extending adapter 150 cm (881) or extending adapter 60 cm (882), lifeline tag (886) or lifeline rope.
WEIGHT	28 kg
CAT. NO.	880

LIFELINE POLE

It is the second device of the fall arrest system. The central pole is equipped with three Type-B anchoring points. The poles allow to mount anchoring line and may be used as intermediate support in points where the lifeline device changes its direction (e.g. corners). The poles are mounted in different types of sockets offered by the system. It allows for a complete turn round its pivot-centre what provides flexibility and ease of operation while protecting workers at the construction site.



PURPOSE	For mounting with a lifeline. It cooperate with selected lifeline device (cat. No. 887) or with selected type fall arrest device (cat. No. 880), extending adapter 150 cm (881) or extending adapter 60 cm (882).
WEIGHT	13,9 kg
CAT. NO.	881

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CONCRETE SWAMPED SOCKET

It is used to mount the gallows, poles, lifeline and extending adapters. It is an easy, cheap and popular solution, used at construction sites. Planned in-advance setting of sockets in walls and other elements of a building allows workers to quickly move with the fall arrest system attached to a new construction place that is equipped with such socket.

PURPOSE	For mounting fall arrest devices in different types of surfaces. It cooperates with gallow's type fall arrest device (cat. No. 880), lifeline system pole (881), extending adapter 150 cm (884), extending adapter 60 cm (885A)
WEIGHT	1,5 kg
CAT. NO.	887



SOCKET ANCHORED TO THE CEILING

It is used to mount the gallows, poles, lifeline device and extending adapters. It allows to create a socket in any place on the ceiling and does not require planning during the design stage. The socket is mounted with self-tapping screws to concrete. The advantage of this solution is the universality and possibility to use it multiple times (both when it comes to the socket and its mounting elements).

PURPOSE	For mounting fall arrest devices in different types of surfaces. It cooperates with gallow's type fall arrest device (cat. No. 880), lifeline system pole (881), extending adapter 150 cm (884), extending adapter 60 cm (885A)
WEIGHT	20 kg
CAT. NO.	885



SIDE SOCKET

It is used to mount the gallows, poles, lifeline and extending adapters. It allows to create a socket in any place on the wall and does not require planning during the design stage. The socket is mounted with self-tapping screws to concrete. The advantage of this solution is the universality and possibility to use it multiple times (both when it comes to the socket and its mounting elements).

PURPOSE	For mounting fall arrest devices in different types of surfaces. It cooperates with gallow's type fall arrest device (cat. No. 880), lifeline system pole (881), extending adapter 150 cm (884), extending adapter 60 cm (885A)
WEIGHT	7 kg
CAT. NO.	888



EXTENDING ADAPTER 150 cm AND 60 cm

It is used to extend the height of the anchoring point for the gallows by 150 cm or 60 cm. Modular construction provides mobility and comfort with changing the location of construction works. The extending adapter 150/60 cm is a universal part of the system that can be used with other elements, e.g. the gallows and mounting sockets. Extending the height of the anchoring point allows to extend the range of the fall arrest device.

PURPOSE	For increasing the height of the anchoring point by 150 cm or 60 cm. It cooperates with gallow's type fall arrest device (cat. No. 880), concrete swamped socket (887) socket anchored to the ceiling (885), side socket (888) and large flange (882)
WEIGHT	16 kg
CAT. NO.	886

HIGH GALLOWS ADAPTER

It is used to extend the height of the anchoring point of the gallows by 290 cm (up to 6,5 m). Extending the height of the anchoring point allows to extend the range of the fall arrest device. It is mounted to the socket of a concrete foot and secured by three boltnuts. The central pole is equipped with rungs that help to mount the fall arrest system (gallows).

PURPOSE	For mounting fall arrest devices in different surfaces. It cooperates with gallow's type fall arrest device (cat. No. 880), socket anchored to the ceiling (885), large flange (882)
WEIGHT	40 kg
CAT. NO.	889



Fall arrest device: anchoring line "lifeline". It is a horizontal, regulated anchoring tape (horizontal safeguarding line) used while performing works which demand often movement on horizontal surfaces. The Anchoring line is made of a polyester tape, resistant to weather conditions. It is equipped with a tightener and two snap hooks used for attaching the line to anchoring points on lifeline poles.

PURPOSE:	For safeguarding works in height. It cooperates with different type fall arrest device (not for PPE).
WEIGHT:	2 kg
CAT. NO:	992




Fall arrest device: self-locking device. It is a self-locking device belonging to PPE. It closely cooperates with fall arrest devices, i.e. the gallows and lifeline. The device is equipped with snap hooks with fall indicator, Aluminium cover and nylon tape (safety line) provide resistance to different weather conditions.



PURPOSE:	For safeguarding works in height. It cooperates with different type fall arrest device (not for PPE).
WEIGHT:	2 / 3 kg
CAT. NO:	995, 997

LIFELINE - FALL ARREST SYSTEMS

i Lifeline system belongs to the family of fall arrest systems that protect workers from falling while performing works at heights. The use of lifeline system minimalizes the risk of the "pendulum" effect. A mobile anchoring point allows to easily move the system into a wide working area. The simplicity of the system makes it easy to adjust to different conditions. The poles of the lifeline system work with all types of sockets that are offered by the STRUMIN fall arrest system. The universality and flexibility of the system are provided by the anchored sockets (swamped in concrete and concrete ballasts).

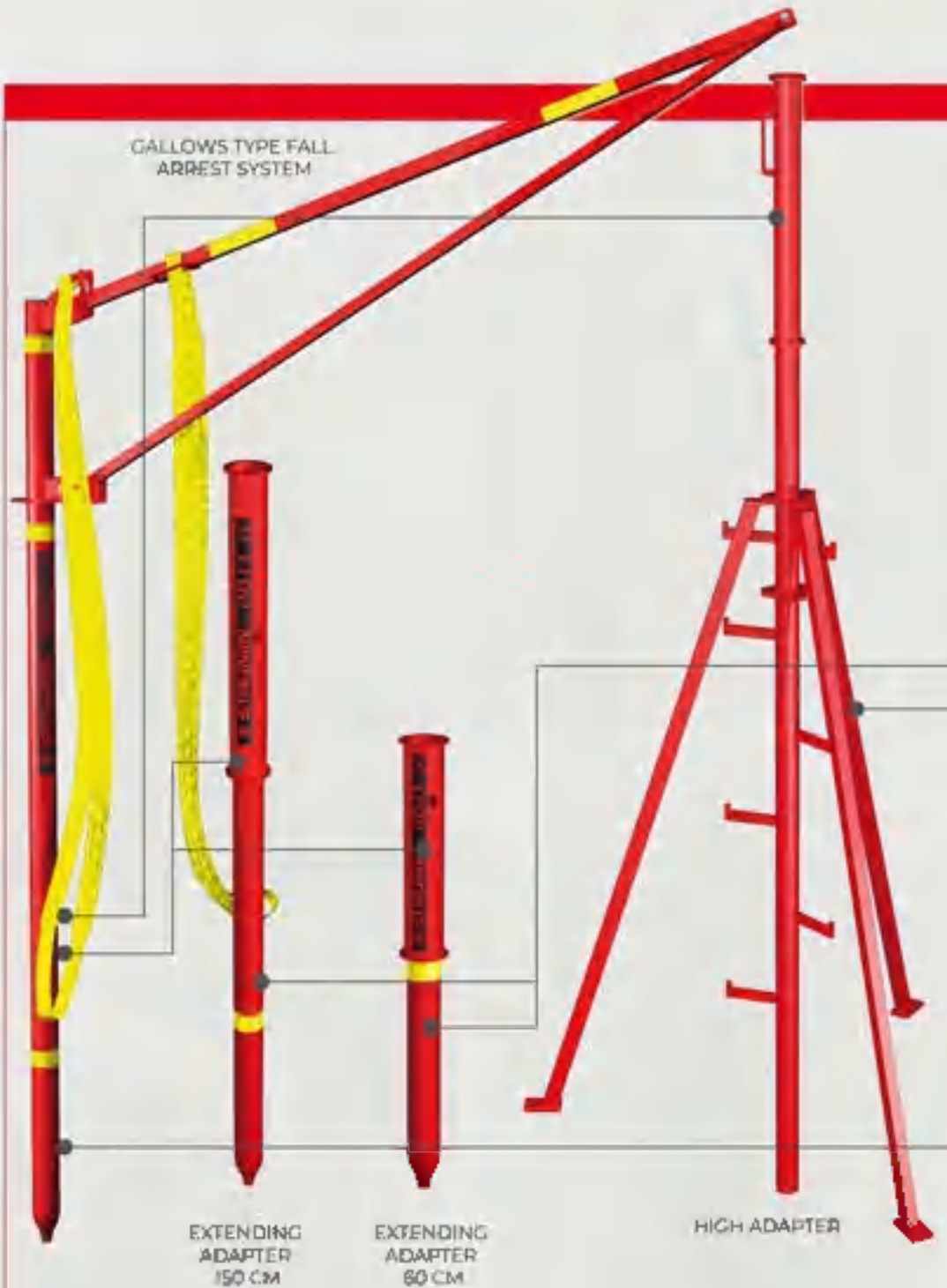
-  Protects the user from falling
- Increases the safety at the construction site
- Saves life in case of a fall
- Protects from tripping and falling
- Easy, intuitive installation
- Simple and flexible system
- Light, modular construction
- Easy to store and transport
- EN-705 (Type B) certified
- Compliance with the following standards:
EN-795_2021E, EN-354_2012P,
EN-360_2005P, EN-362_2006P



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FALL ARREST SYSTEM - SCHEME



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TOWER
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EC-8

ASBUD

Construction worker in yellow safety vest and hard hat.

Construction worker in yellow safety vest and hard hat.

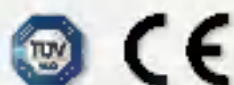
SPIDER FALL ARREST SYSTEM

information



The Spider fall arrest system with PPE is used to provide safety while working at heights. Its purpose is to prevent a fall through the edge from heights. The "Spider" anchoring device is equipped with four anchoring points used to attach the anchoring line which connects inertial ballasts. It can also be used as an anchoring point for safety lines or self-locking devices. Inertial ballasts are used in case of the lack of possibility to anchor securing devices to the surface.

Taking-over loads that are created during a fall is performed thanks to a friction between the surface and the foot of the ballast. Low weight of the system's elements provide the possibility to be manually installed by one person without the need to use a crane. The construction of the Spider ballast allow to move the device in one part between different working positions.



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Lifeline attached to "SPIDER" inertial ballasts.



Fall arrest system in the terraced form with a common ballast.



Damping system



- increases safety
- saves life and health
- low weight of the elements
- easy and quick installation
- visibility
- easy to store and transport
- EN-795 (Type E) certified
- compliance with the following standards:
EN-795_2021E, EN-354_2012P,
EN-360_2005P, EN-362_2006P
- versatility of applications.



An element with four anchoring points



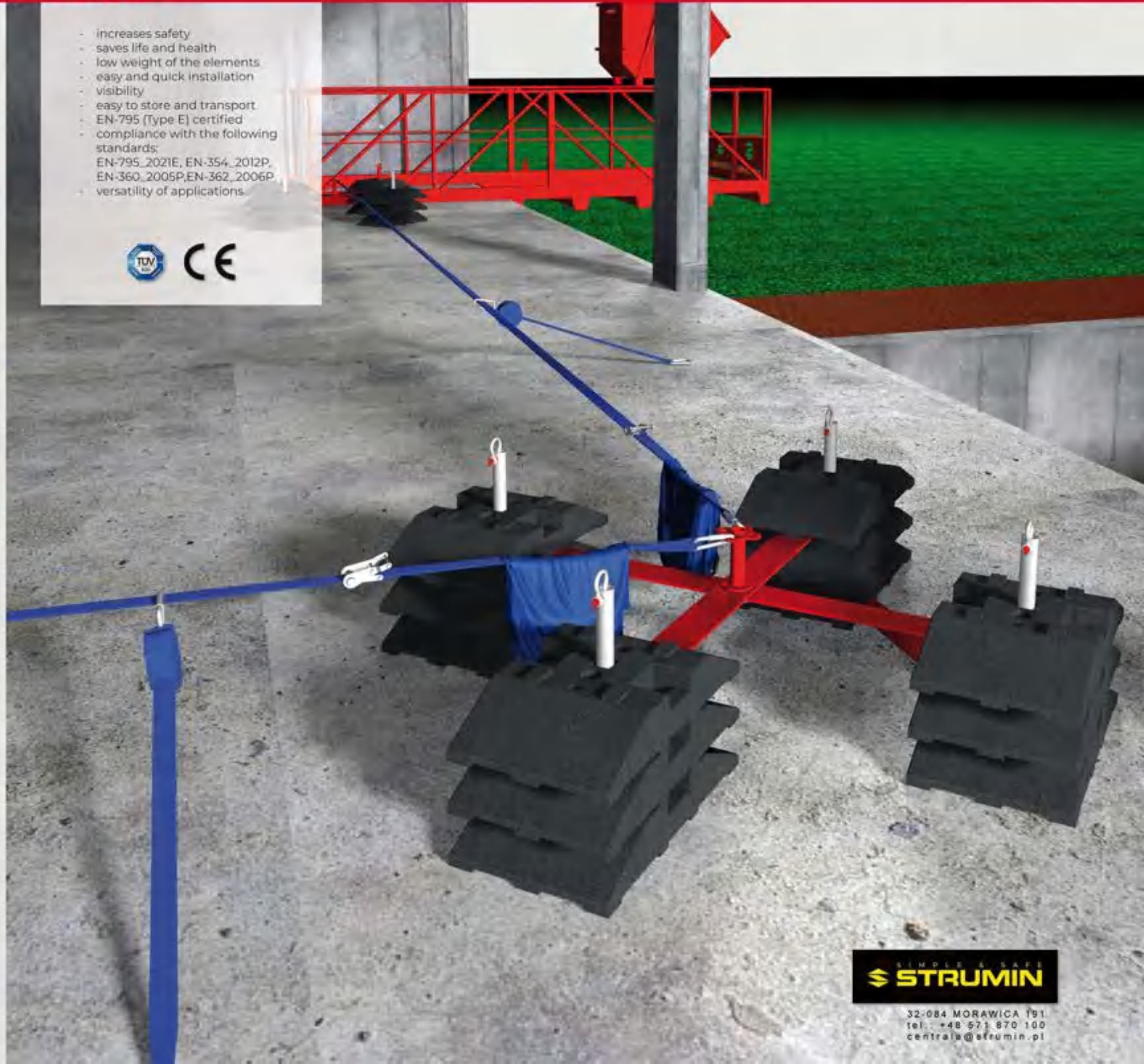
Transport brackets for the crane's sling



Damping construction




Easy and intuitive installation



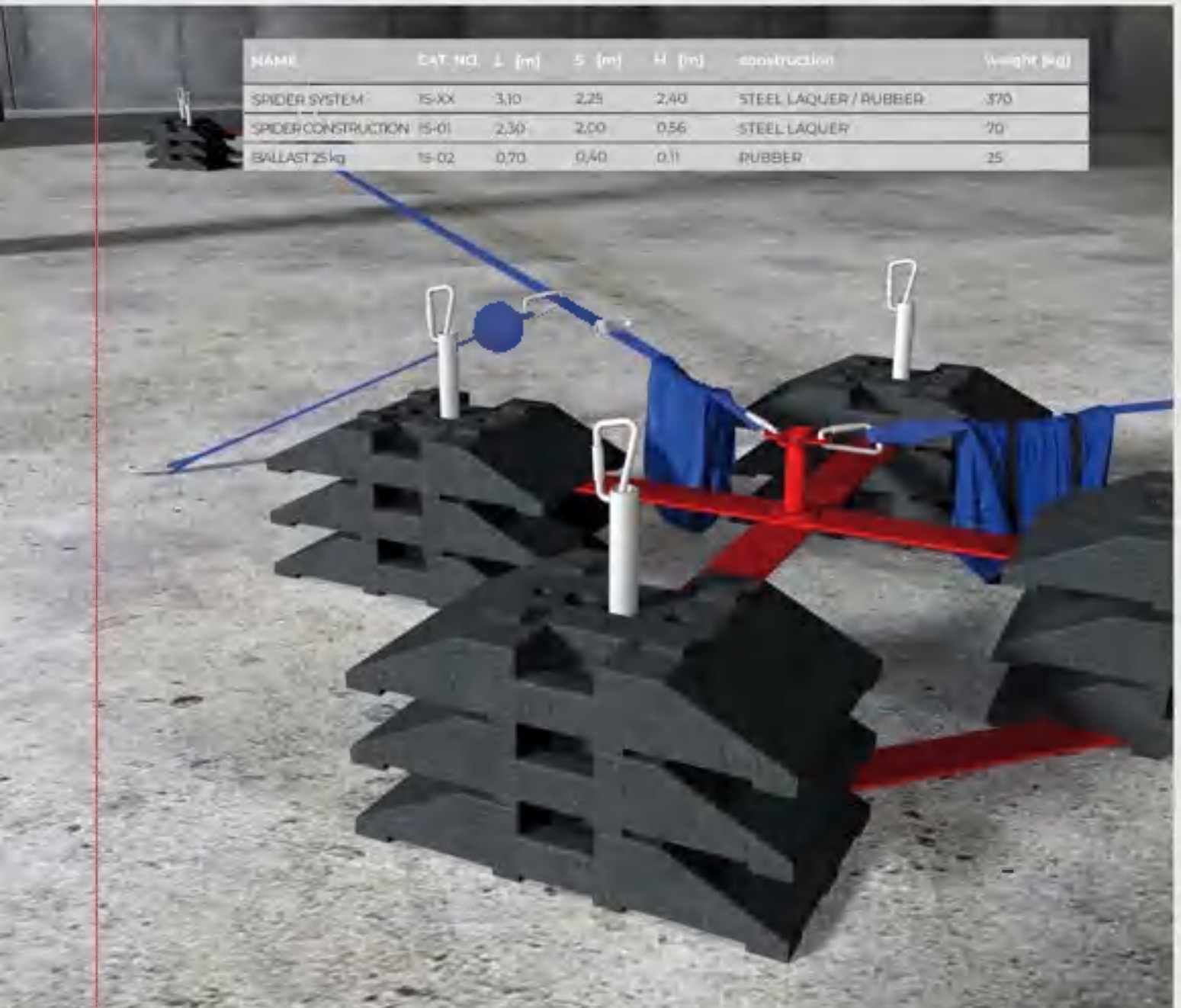
SPIDER FALL ARREST SYSTEM

i The SPIDER fall arrest system belongs to the family of fall arrest devices (lifeline systems) which is used to protect workers while working on heights. The use of the Spider fall arrest system minimizes the risk of the pendulum effect and protects from fall through the edge. The mobile anchoring point provides the ease of movement within a wide working area. The simplicity of the system allows to easily adjust it to different building conditions.

-  - protects its user from fall
- increases safety on a construction site
- saves life
- protects from tripping
- easy and quick installation
- the possibility of manual installation
- easy and flexible system
- light, modular construction
- easy to store and transport
- EN-795 (Type E) certified
- compliance with the following standards: EN-795_2021E, EN-354_2012P, EN-360_2005P, EN-362_2006P
- versatility of applications



NAME	EAT. NO.	L (m)	S (m)	H (m)	construction	Weight (kg)
SPIDER SYSTEM	1S-XX	3,10	2,25	2,40	STEEL LAQUER / RUBBER	370
SPIDER CONSTRUCTION	1S-01	2,30	2,00	0,56	STEEL LAQUER	70
BALLAST 25 kg	1S-02	0,70	0,40	0,11	RUBBER	25



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SAFETY BARRIERS



1. HORIZONTAL holder



2. VERTICAL holder



3. 500/250 adapter



4. GIRDER holder



5. LARSEN holder



6. INSERTED holder



7. Multi-functional CEILING clamp



7. Multi-functional CEILING clamp



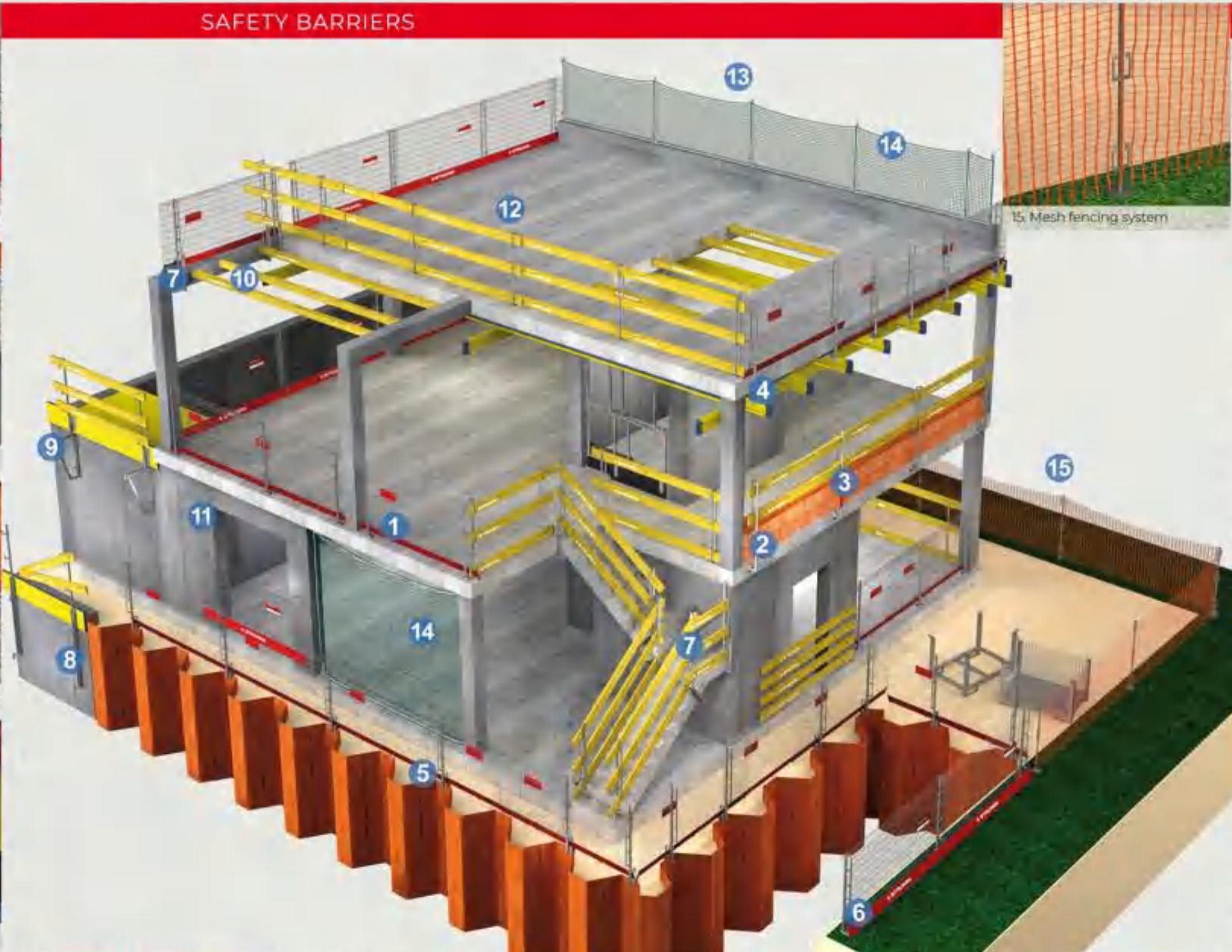
8. FIXED console



9. MOVEABLE console



10. Platform holder



15. Mesh fencing system



14. MESH WALL



13. LITE pole



12. SINGLE pole



11. Holder mounted on a wall

EDGE PROTECTION SYSTEMS

information



EPS (Edge-Protection Systems) are wide range of products that include edge protection fences. They are widely used at construction sites, during road works, to temporarily protect such works as digging trenches etc. The poles were designed for different types of holders and the filling of the railing, depending on requirements, may be full (i.e. panel mesh or boarding). EPS contain edge protection measures and work with shuttering systems.

advantages



- universal system
- different types of fixing methods
- universal pole, h: 120 cm
- filling with toe board
- galvanized / lacquered construction
- simple and intuitive installation
- complies with safety norms
- certified



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Steel mesh Panel 250
Cat. no. 1300



EPS Board 250
Cat. no. 1301



MESH-WALL
Cat. no. 1330



Mesh fencing
cat. no. 1331



H pole
Cat. no. 1302



ECONOMY pole
Cat. no. 1303



LITE pole
Cat. no. 1304



SINGLE pole
Cat. no. 1305



Fencing pole
Cat. no. 1323



Horizontal holder
Cat. no. 1306



Vertical holder
Cat. no. 1307



Inserted holder
Cat. no. 1313



250 adapter
Cat. no. 1309



500 adapter
Cat. no. 1308



GIRDEE holder
Cat. no. 1310



LARSEN holder
Cat. no. 1311



Multi-functional
ceiling clamp
Cat. no. 1312



Holder mounted
on a wall
Cat. no. 1314



Scaffolding board
holder
Cat. no. 1315



Platform holder
Cat. no. 1316



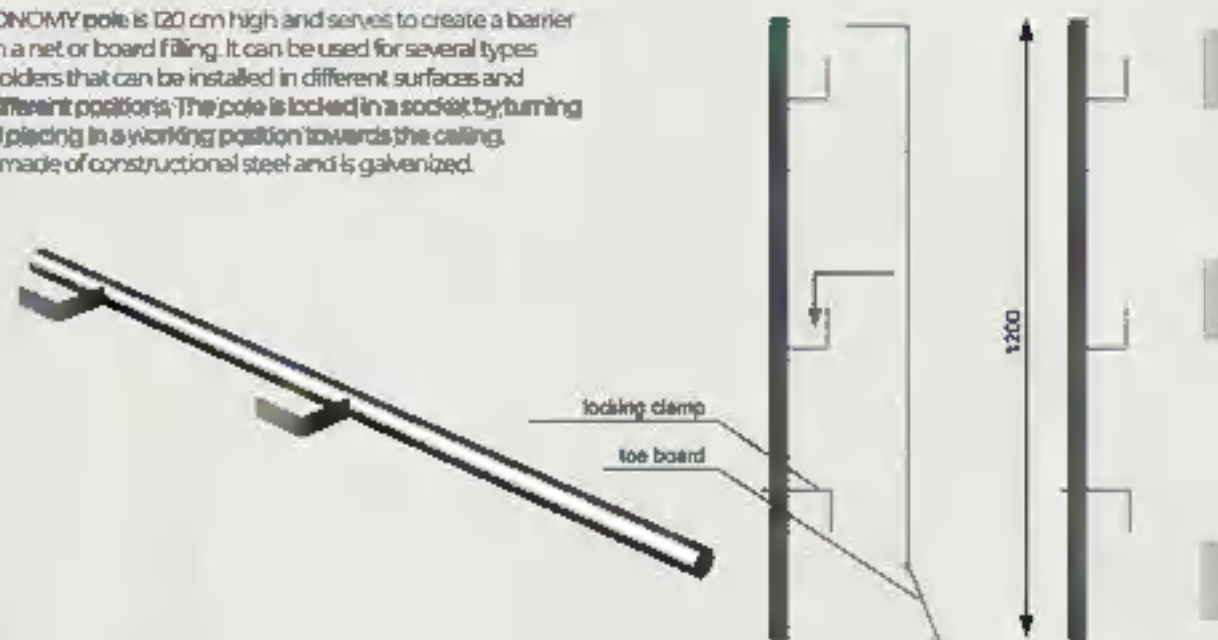
FIXED console
Cat. no. 1317



MOVEABLE console
Cat. no. 1318

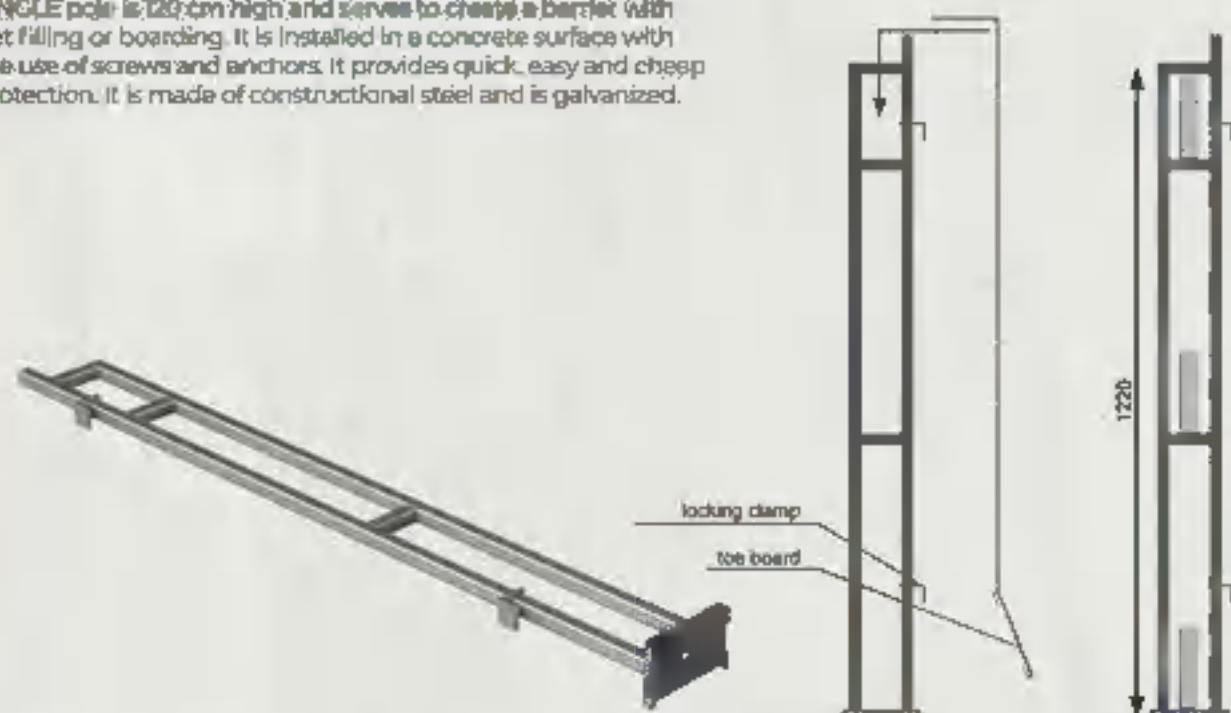


ECONOMY pole is 120 cm high and serves to create a barrier with a net or board filling. It can be used for several types of holders that can be installed in different surfaces and in different positions. The pole is locked in a socket by turning and placing in a working position towards the ceiling. It is made of constructional steel and is galvanized.



PURPOSE	To create a protecting barrier from the net module 250 or boarding 250. It protects people, objects, tools and building materials from falling through the working area edge and it works with a horizontal and vertical holder, a 100 and 250 adapter, a grid holder, a Larsen holder, a ceiling clamp and an inverted holder.
WEIGHT	2.84 kg
CAT. NO.	1308

SINGLE pole is 120 cm high and serves to create a barrier with net filling or boarding. It is installed in a concrete surface with the use of screws and anchors. It provides quick, easy and cheap protection. It is made of constructional steel and is galvanized.



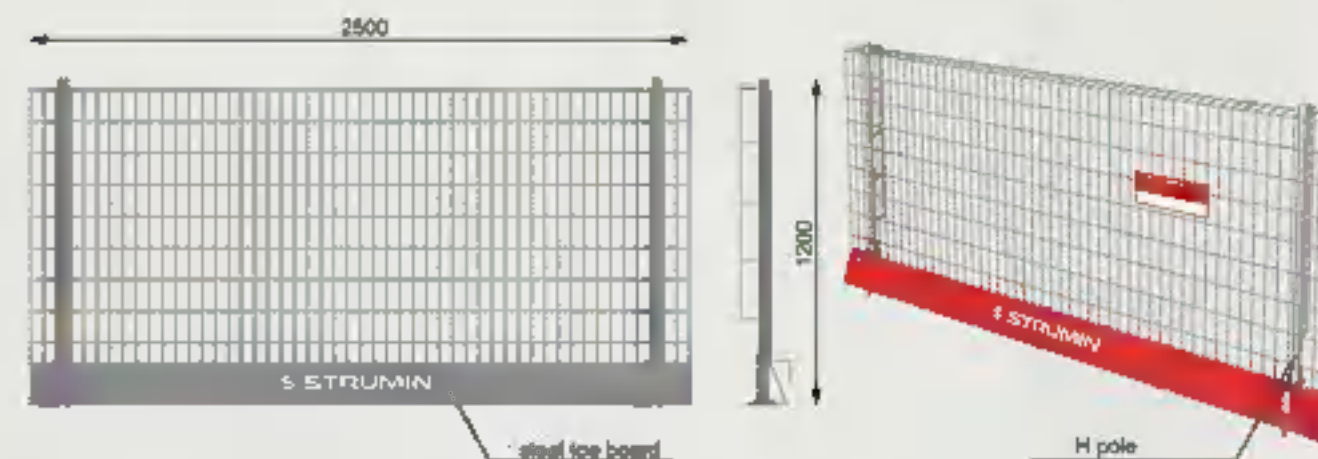
PURPOSE	To create a protecting barrier from the net module 250 or boarding 250. It protects people, objects, tools and building materials from falling through the working area edge.
WEIGHT	2.84 kg
CAT. NO.	1305



Steel mesh panel 250 is made of welded, galvanized mesh that consist of three areas of protection:

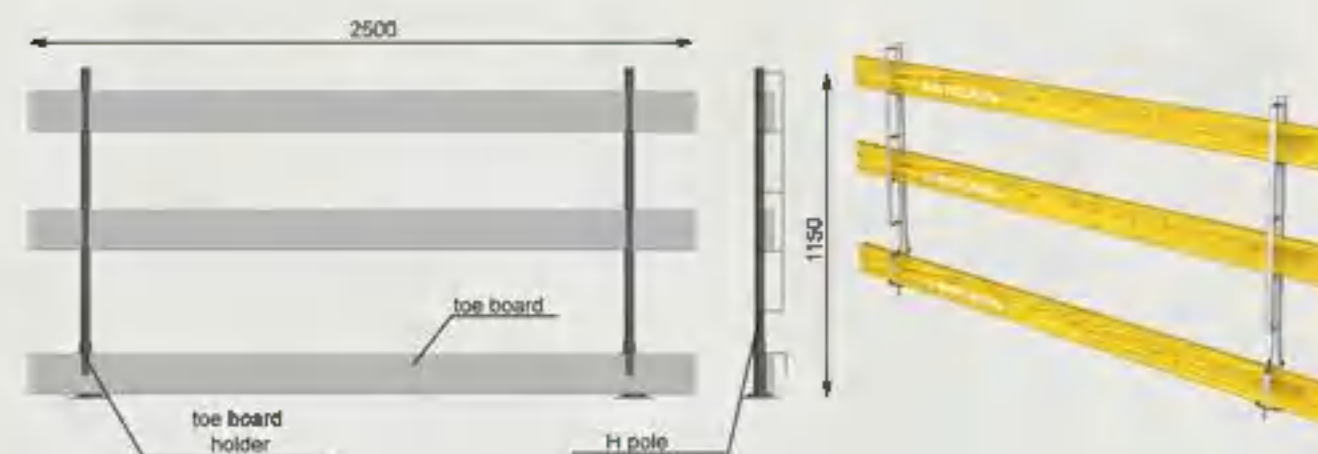
- 12 cm wide upper "shelf", working as a supinated grip
- vertical filling 120 cm high over the working area
- full steel toe board, 15 cm height

The vertical wires are placed every 5 cm. The oblique placement of the toe board allows to effectively block small objects, e.g. debris, from accidental throw away from the working area.



PURPOSE	To protect people, objects, tools and building materials from falling through the working area edge.
WEIGHT	13.5 kg
CAT. NO.	1300

Fencing Filling - EPS board 250 is made of three parts (a board 2500 x 150 x 32) and provides protection from falling through the edge at the working area. It is installed in H pole sockets. The bottom board provides protection - it is a toe board that is used to catch small objects, accidentally falling from the working area.



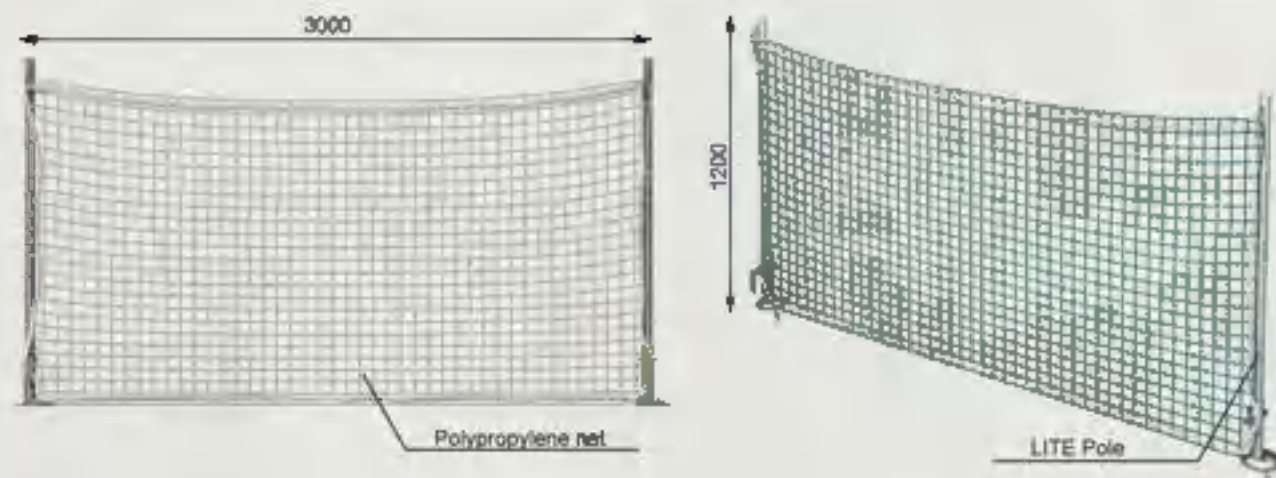
PURPOSE	To protect the edges of a working area.
WEIGHT	6.6 kg
CAT. NO.	1301





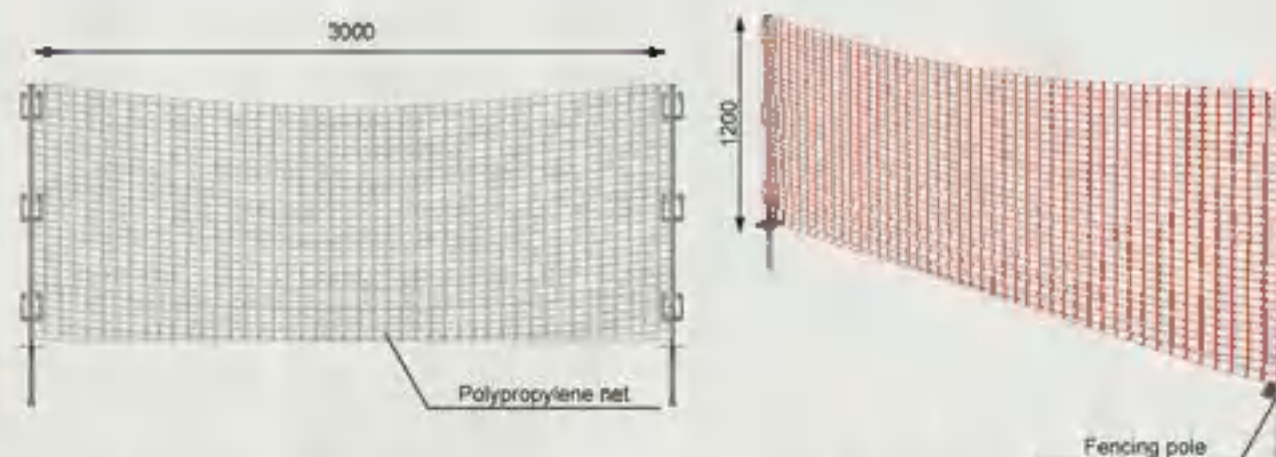
SYSTEM COMPONENTS

MESHWALL net is a polypropylene barrier. Its basic advantages are low weight, easy installation and resistance to different weather conditions. The MESHWALL barrier consists of poles (e.g. LITE), a net and an edge line that works as a supinated grip and an element stretching the whole system. The net is produced in accordance with the norms concerning edge protection systems and fall arrest systems (safety nets).



PURPOSE	To protect people, objects, tools and building materials from falling through the working area edges.
WEIGHT	1.6 kg
CAT. NO.	1330

Mesh fencing is a barrier in the form of a non-stretching PVC net. Its basic advantages are low weight, easy installation, resistance to different weather conditions and universality. The system is used at construction sites, during renovations and road works etc. It can be used to protect deep trenches. The solution is also a warning barrier. The poles are made of constructional steel and are galvanized.

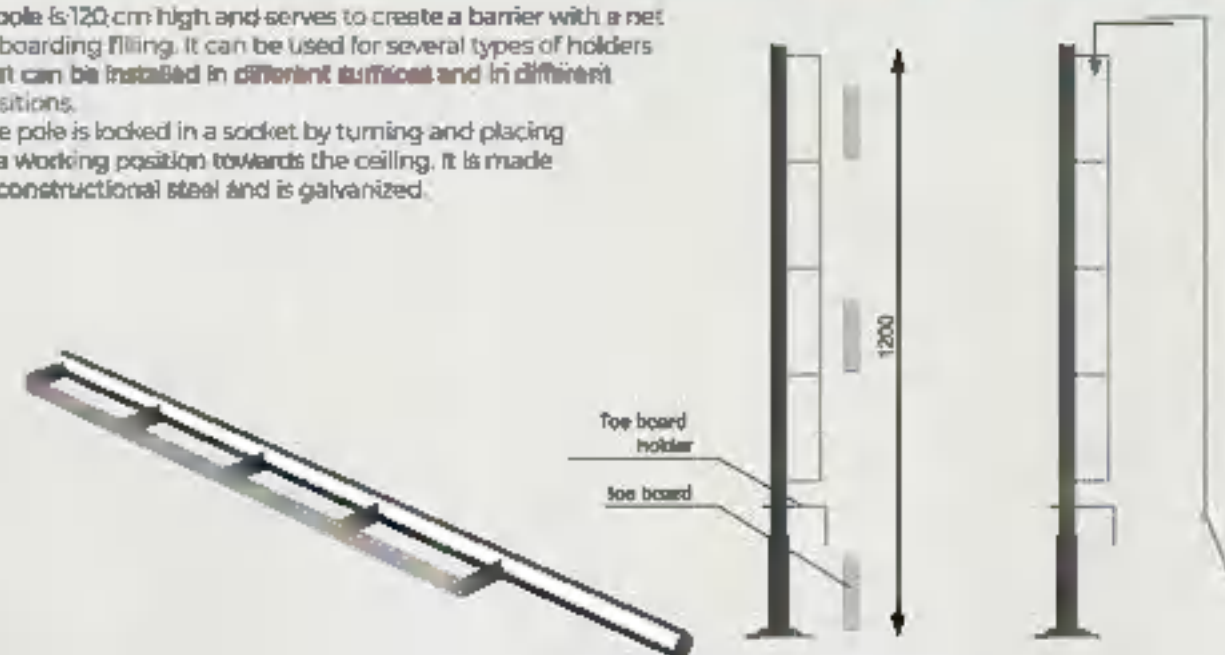


PURPOSE	To protect working edges in temporary working areas. Used as a warning barrier.
WEIGHT	1.5 kg
CAT. NO.	1381

SYSTEM COMPONENTS

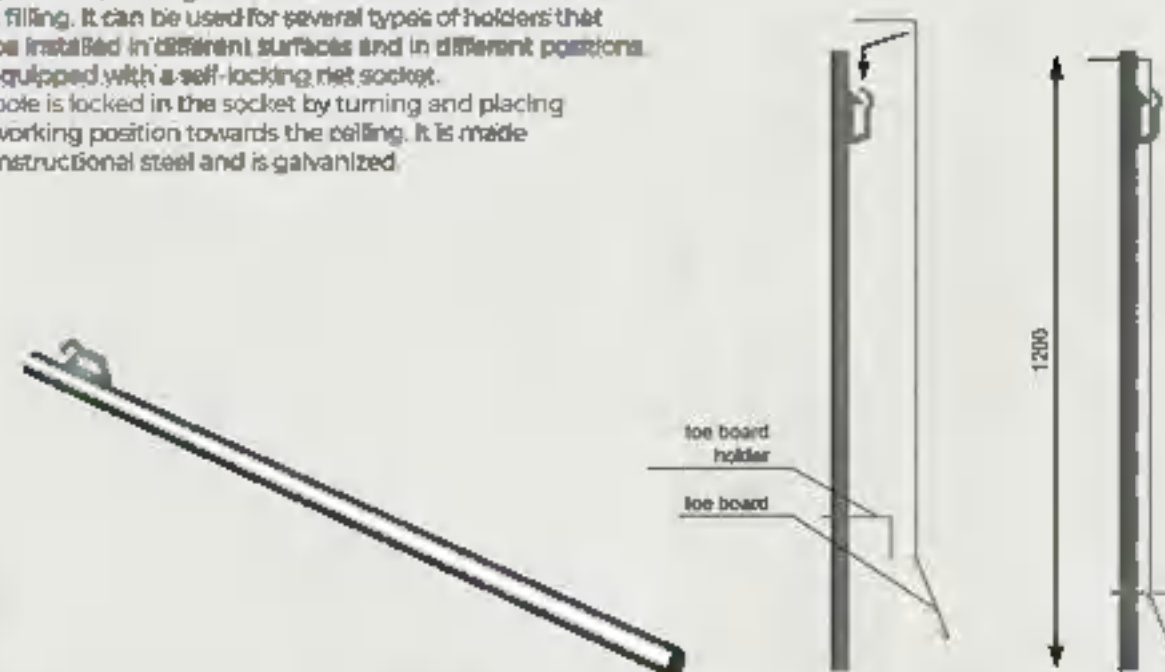


H pole is 120 cm high and serves to create a barrier with a net or boarding filling. It can be used for several types of holders that can be installed in different surfaces and in different positions. The pole is locked in a socket by turning and placing in a working position towards the ceiling. It is made of constructional steel and is galvanized.



PURPOSE	To create a protecting barrier from the net panel 250 or boarding panel 250. It protects people, objects, tools and building materials from falling through the working area edges and it works with a horizontal and vertical holder, a 500 and 250 adapter, a girder holder, a Larnier holder, a ceiling clamp rod and an inserted holder.
WEIGHT	3.8 kg
CAT. NO.	1302

LITE pole is 120 cm high and serves to create a barrier with a net filling. It can be used for several types of holders that can be installed in different surfaces and in different positions. It is equipped with a self-locking net socket. The pole is locked in the socket by turning and placing in a working position towards the ceiling. It is made of constructional steel and is galvanized.



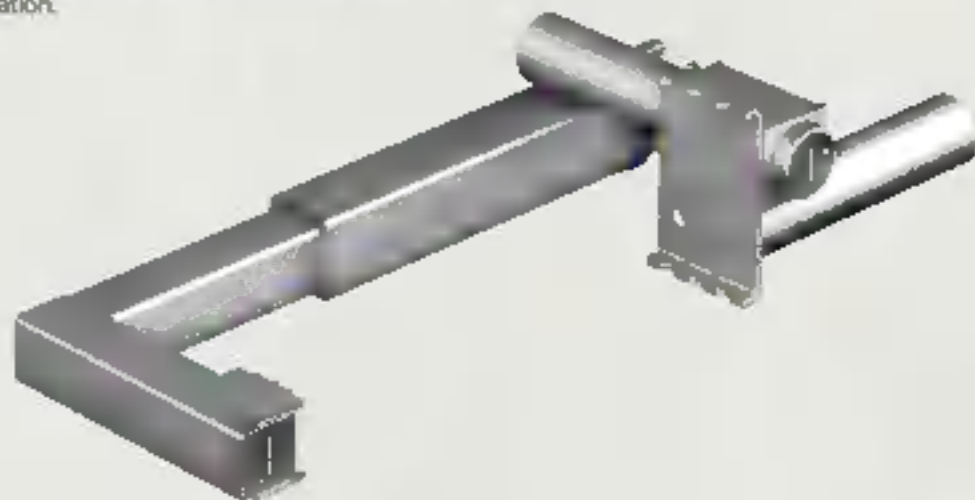
PURPOSE	To create a protecting barrier from the net panel 250. It protects people, objects, tools and building materials from falling through the working area edges and it works with a horizontal and vertical holder, a 500 and 250 adapter, a girder holder, a Larnier holder, a ceiling clamp and an inserted holder.
WEIGHT	2.8 kg
CAT. NO.	1300

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Multifunctional ceiling CLAMP is used to install safety systems on edges, ceilings, ledges and stairs. It has a moveable, turning head with a barrier's pole holder. The foot/top head has a locking socket that is used to lock a pole and protects it from an accidental pulling out. The clamp is adjusted to work with ceilings of different sizes and stairs of different gradient. It is easy in use, depending on the need and configuration, and offers a wide scope of combinations. Detailed information about the device are available in the technical documentation.



PURPOSE	To protect people, objects, tools and building materials from falling through the working area edges.
WEIGHT	1.5 kg
CAT. NO.	1330

INSERTED holder is used to create a protective barrier on any surface, allowing to insert a holder's anchor. The surface must provide stability of the pole, so as no deviation from the vertical will occur because of the weather conditions. The holder has a locking socket that is used to lock a pole and protects it from an accidental pulling out. It is made of constructional steel and is galvanized.



PURPOSE	To create a protective barrier. Works with H, STANDARD and LITE poles, as well as 500 and 250 adapters.
WEIGHT	1.2 kg
CAT. NO.	1313



HORIZONTAL holder is used to mount poles to the working surface. It is installed in a horizontal position in the surface with the use of screws and anchors. The holder has a socket with a locker that helps to lock the pole and protects it from accidental pulling out. It contains a toe board holder, applied when a mesh or boarding is used. It is made of constructional steel and is galvanized.



PURPOSE	To create a protective barrier. Works with H, STANDARD and LITE poles, as well as an extending adapter 500 and 250.
WEIGHT	1.1 kg
CAT. NO.	1306

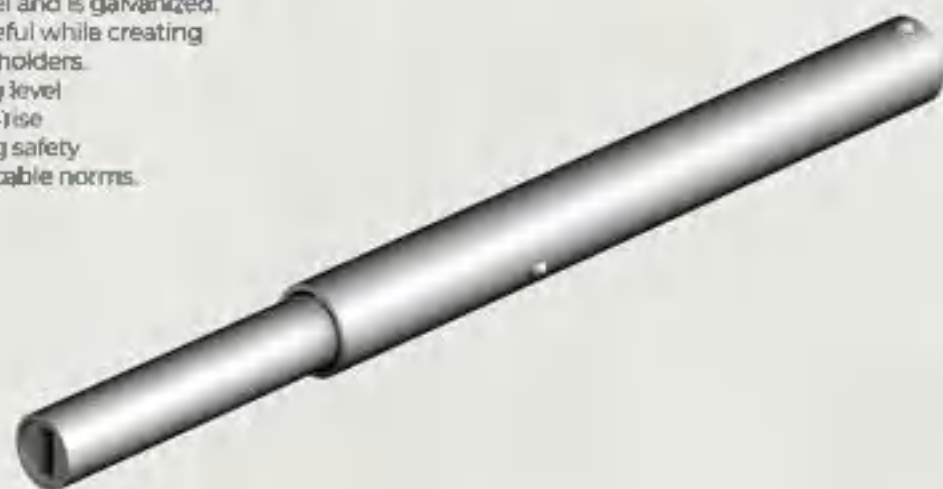
VERTICAL holder is used to mount poles to the working surface. It is installed in a vertical position in the surface with the use of screws and anchors. The holder has a socket with a locker that helps to lock the pole and protects it from accidental pulling out. It contains a toe board holder applied when an extending adapter 500/250 is used. It helps to lock a net or mount a toe board on the level of a pole or an extending adapter. It is made of constructional steel and is galvanized.



PURPOSE	To create a protective barrier. Works with H, STANDARD and LITE poles, as well as an extending adapter 500 and 250.
WEIGHT	1.44 kg
CAT. NO.	1307

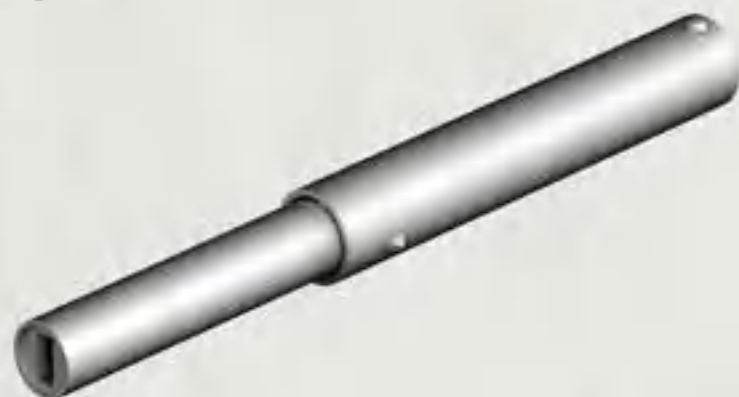


EXTENDING adapter 500 is used to elevate the protecting barrier's pole, e.g. when mounted to side feet (when there is the need to lower the barrier's height in relation to the working area). When it is needed, the height adapter allows to elevate the protection by 500 mm. The adapter has a bottom locking socket working with a handle and a top socket working with the pole's socket. The sockets lock each other, protecting from an accidental pull out. It is made of constructional steel and is galvanized. Extending adapters are also useful while creating barriers on girder and LARSEN holders. In case of elevating the working level (e.g. concrete floor, board), they rise the barrier to the level providing safety and compliance with the applicable norms.



PURPOSE:	To rise the barrier's height. It works with a horizontal and a vertical holder, girder holder, LARSEN holder, rolling clamp, inserted poles as well as PL STANDARD AND LITE poles.
WEIGHT	2.7 kg
CAT. NO.	1308

EXTENDING adapter 250 is used to elevate the protecting barrier's pole, e.g. when mounted to side feet (when there is the need to lower the barrier's height in relation to the working area). When it is needed, the height adapter allows to elevate the protection by 500 mm. The adapter has a bottom locking socket working with a handle and a top socket working with the pole's socket. The sockets lock each other, protecting from an accidental pull out. It is made of constructional steel and is galvanized. Extending adapters are also useful while creating barriers on girder and LARSEN holders. In case of elevating the working level (e.g. concrete floor, board), they rise the barrier to the level providing safety and compliance with the applicable norms.



PURPOSE:	To rise the barrier's height. It works with a horizontal and a vertical holder, girder holder, LARSEN holder, rolling clamp, inserted poles as well as PL STANDARD AND LITE poles.
WEIGHT	1.4 kg
CAT. NO.	1309

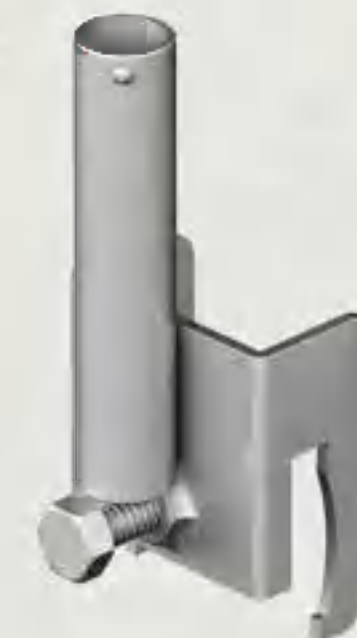


GIRDER holder is used to create a protecting barrier on girder shuttering. Its main advantage is fast and easy installation. It does not require the use of electrical appliances, anchors, etc. The installation is based on putting an open clamp on a girder shuttering and closing it with a hammer, which allows to tap it into the socket's clamp. It is made of constructional steel and is galvanized. When using the height adapter 500/250, it is easy to elevate the barrier to the level providing safety and compliance with the applicable norms. It happens during pouring concrete floor or placing floor slabs that elevate the working level (lowering the height of the protection created earlier, e.g. on girder shuttering).



PURPOSE:	To create the protective barrier on shuttering (girder shuttering) when performing works connected to preparing the roof floor of a building (boarding shafts etc.). It works with STANDARD AND LITE poles.
WEIGHT	2.5 kg
CAT. NO.	1310

LARSEN holder is used to create a protecting barrier on sheet piles. Its main advantage is easy installation and disinstallation. It all comes down to tightening a locking screw. Another advantages are low weight and the ease of storing and transporting. The LARSEN clamp has a locking socket that is used to lock a pole and protects it from an accidental pulling out.



PURPOSE:	To create a protective barrier on sheet piles when performing groundwork etc. It has also to be used with profiles, constructional elements to which a divider's jaws can be locked. It works with STANDARD and LITE poles, as well as 200 and 250 adapters.
WEIGHT	2 kg
	1311





Holder **MOUNTED ON A WALL** is used to provide safety barrier on wall openings (e.g. windows, doors, elevators). It is mounted with screws in concrete or mechanical anchors. It is made of constructional steel and is galvanized.



PURPOSE	To create a protective barrier on wall openings. It works with a mesh panel and boarding.
WEIGHT	0.3kg
CAT. NO	1314

Scaffolding **BOARD** holder is used to block elements filling a barrier, i.e. a mesh panel, boarding and toe boards' mounting on holders (vertical and horizontal), 500/250 adaptors or system poles. It is made of constructional steel and is galvanized.



PURPOSE	To create a mesh panel or boarding. It works with a horizontal and a vertical holder, a 500 and a 250 adaptor, a guide holder, a Lansen holder, a railing clamp, an insulated holder, as well as H. STANDARD and LITE poles.
WEIGHT	0.3 kg
CAT. NO	1315

PLATFORM holder is used to mount horizontal bars which are part of the working platforms. It is made of constructional steel and is galvanized.



PURPOSE	To create working platforms, mount platform bars.
WEIGHT	1.85 kg
CAT. NO	1316



FIXED console is used to provide safety on the edges of a wall while performing shuttering works and is also a part of the shuttering (serves to affix a shuttering board). It is a universal solution supporting both constructional works and increasing the level of safety. The solution uses holes that were created in walls during the earlier shuttering. It allows to save time normally spent on mounting the safety system (no need to drill, anchor etc.).



PURPOSE	To create a protective barrier on walls while performing shuttering works. It works with STANDARD and LITE poles, as well as 500 and 250 adaptors.
WEIGHT	11.5 kg
CAT. NO	1317

MOVEABLE console is used to provide safety on the edges of a wall while performing shuttering works and is also a part of the shuttering (serves to affix a shuttering board). It is a universal solution supporting both constructional works and increasing the level of safety. The solution uses holes that were created in walls during the earlier shuttering. It allows to save time normally spent on mounting the safety system (no need to drill, anchor etc.). It is an advanced version of the **FIXED** console and provides the possibility to adjust the distance between a shuttering board and a wall.



PURPOSE	To create a protective barrier on walls while performing shuttering works. It works with H. STANDARD and LITE poles, as well as 500 and 250 adaptors.
WEIGHT	11 kg
CAT. NO	1318

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SYSTEM COMPONENTS

FENCING pole. A light and simple element supporting the mesh fencing.

It is equipped with brackets protecting from its accidental detaching, e.g. caused by wind blows. A square foot allows to mount the pole on a fixed level what improves the installation in the surface and makes it quicker.

The pole has two fluorescent fields which significantly improve its visibility (at night or during bad weather conditions such as fog, snow or rain).

It is made of galvanized steel what makes it resistant to weather conditions.

PURPOSE

To support vertical poles and diverging poles. Can be used as a working element, 2 events with a mesh fencing (Cat. No. 1323).

DIMENSIONS

total length 150 cm, working height 120 cm, inserting depth 30 cm

WEIGHT

3 kg

CAT. NO.

1323



Mesh FENCING / WARNING – light, flexible and durable solution used at construction sites while performing renovation and road works. It is used to separate and protect different types of dangerous places, such as trenches, banks, landslides, drains, marking of cables or pipes. It is characterized by a high level of resiliency. It is easy to install and deinstall. Orange colour provides great visibility, so it is often used as a warning mesh.

PURPOSE	To secure working edges and dangerous places. Can be used as a warning element. It works with a fencing pole (cat. No. 1332).
DIMENSIONS	height 120 cm, length 50 mb (roll)
WEIGHT	12 kg / 50 m (grammage 240 g/m)
CAT NO	1332



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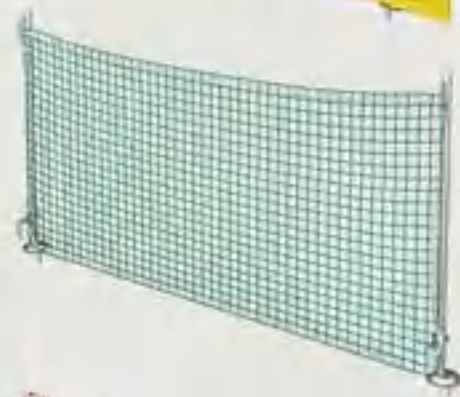
EDGE PROTECTION SYSTEM



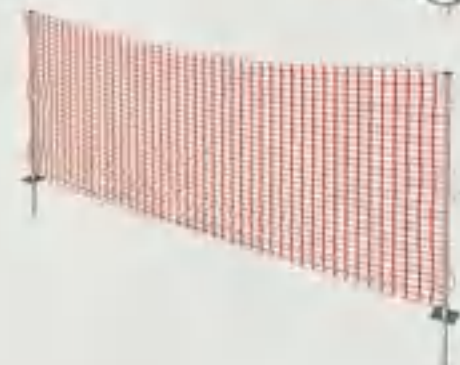
steel mesh panel 250
cat. no. 1300



EPS Board 250
cat. no. 1301



MESH-WALL
cat. no. 1330



Mesh fencing
cat. no. 1331



H pole
cat. no. 1302



STANDARD pole
cat. no. 1303



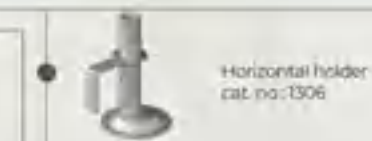
LITE pole
cat. no. 1304



SINGLE pole
cat. no. 1305



Finishing pole
cat. no. 1323



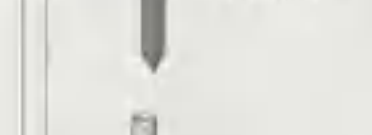
Horizontal holder
cat. no. 1306



Vertical holder
cat. no. 1307



inserted holder
cat. no. 1308



GIRDER holder
cat. no. 1310



LARSEN holder
cat. no. 1311



250 adapter
cat. no. 1309



500 adapter
cat. no. 1308



Scaffolding board holder
cat. no. 1315



holder mounted
on a wall
cat. no. 1314



Platform holder
cat. no. 1316



FIXED console
cat. no. 1317



MOVEABLE console
cat. no. 1318



Multi-functional
ceiling clamp
cat. no. 1312

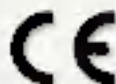
ELEVATOR SHAFTS PROTECTION

information

The ZSWT system is used to protect elevator shafts and other technical openings when there is a danger of falling from heights. It is used to secure workers staying close or performing works in an elevator shaft or next to it. The gate protects from falling of people and objects into a shaft or other technical openings, at the same time protecting people on lower levels of a building. The ZSWT system is a gate consisting of four parts and allows to be adjusted to a given width and gives the possibility to open the top part (moveable wing).

advantages

- universal system
- easy fixing system
- regulated wings
- regulated, flexible toe board
- galvanized construction
- easy and intuitive installation
- complies with safety standards
- certified



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Universal wing clamping which allows to install the system outside and inside the lining.



Regulated, flexible, rubber toe board.



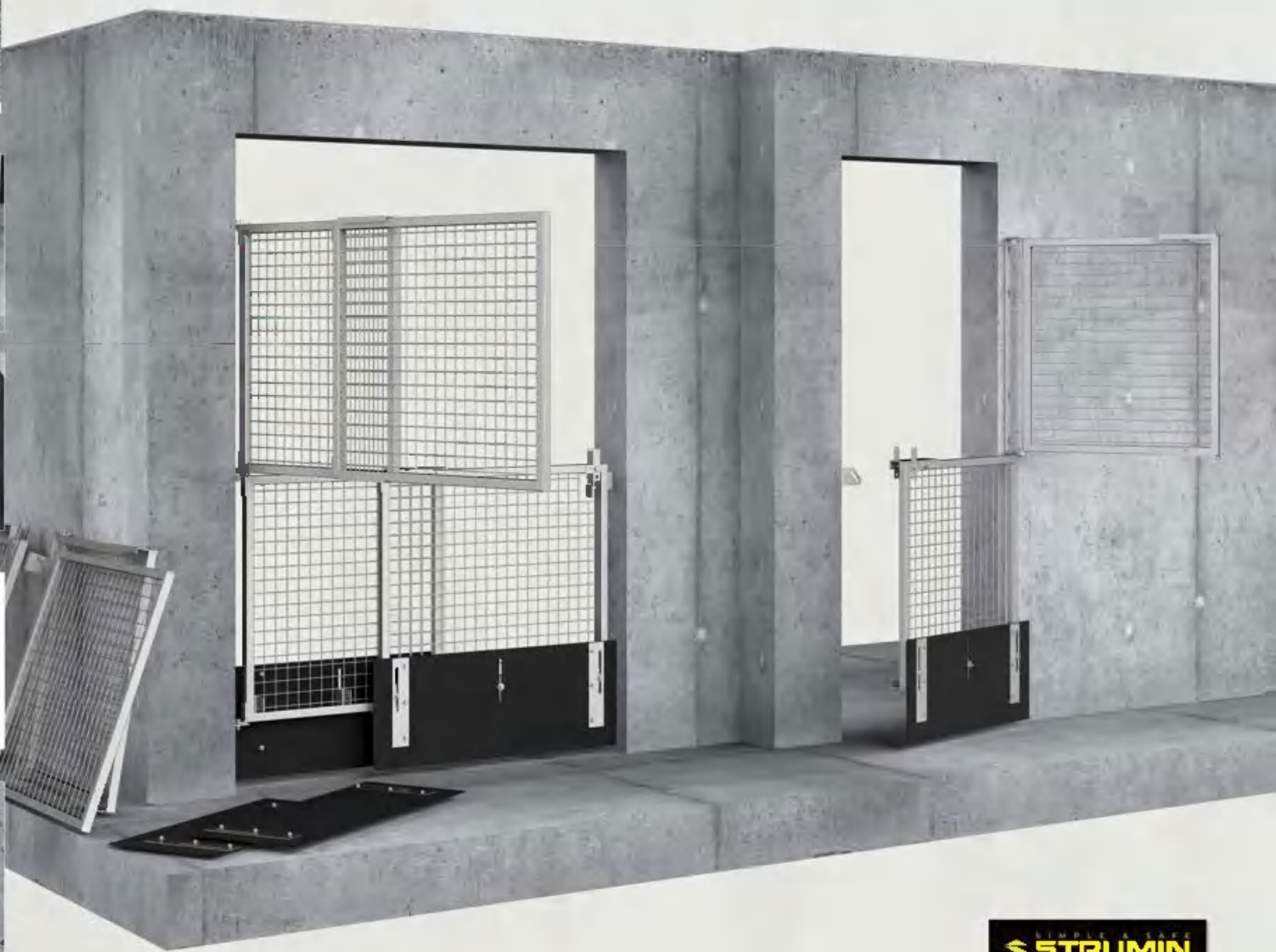
Regulated two-part moveable wings (adjustable horizontally and vertically).



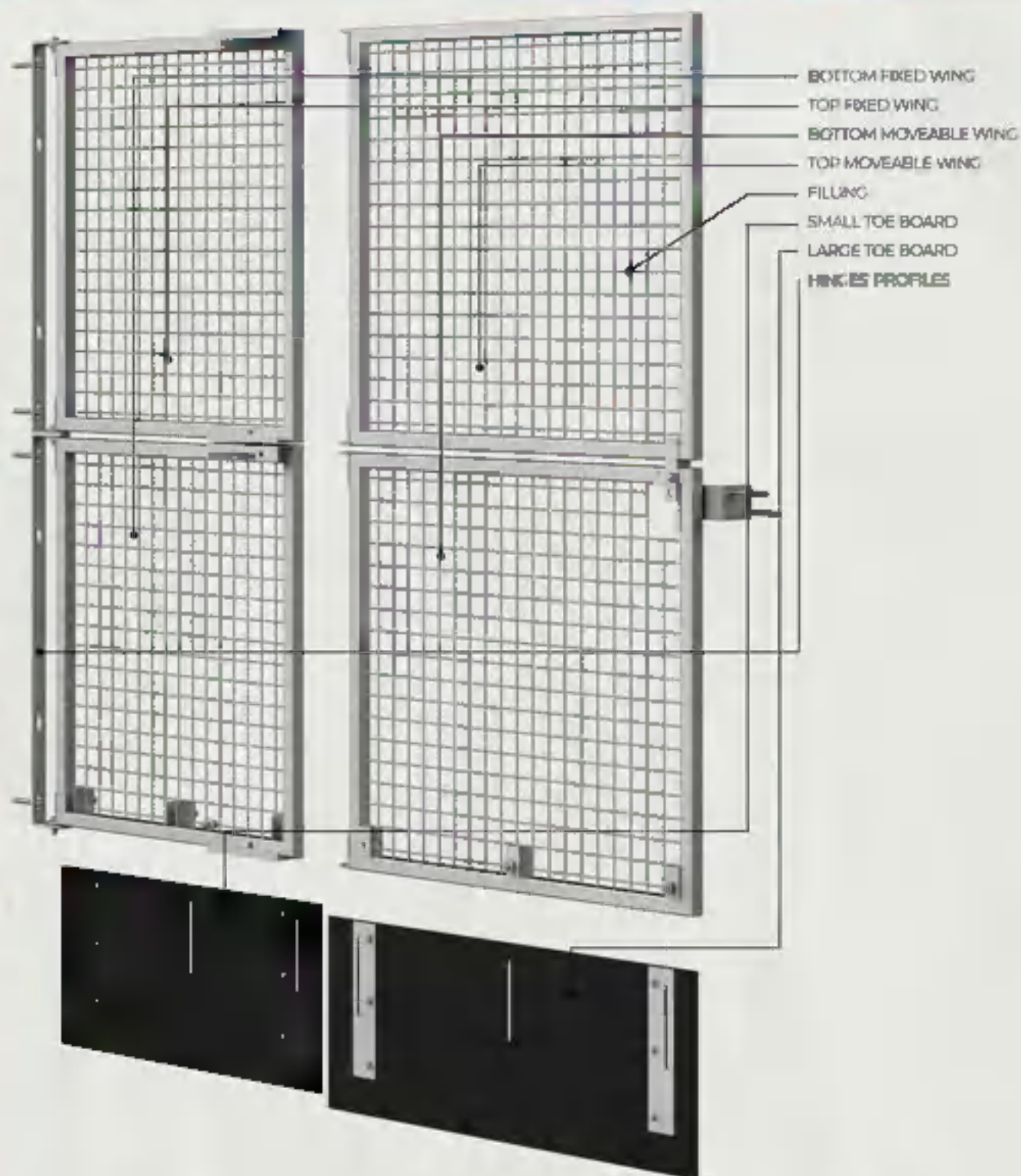
Top and bottom wings with the possibility to be adjusted.



Two-position locking bolt.



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NAME	PROFILE	SIZE [mm]	SIZE [mm]	WEIGHT[kg]
BOTTOM FIXED WING	RP 30x30x2	875	960	12,0
TOP FIXED WING	RP 30x30x2	875	960	11,1
BOTTOM MOVEABLE WING	RP 30x30x2	1080	960	11,3
TOP MOVEABLE WING	RP 30x30x2	1080	960	10,4
FILLING	Ø3	-	-	4,7
SMALL TOE BOARD	RUBBER 5mm	905	445	4,8
LARGE TOE BOARD	RUBBER 5mm	905	445	6
HINGES' PROFILES (2pcs)	FLAT 45x6	-	-	5,1
FINISHING	HOT-DIP ZINC	-	-	-
				SUM: 64,2
				CAT. NO.: 132

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LiteMESH

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LiteMESH

SAFETY NETS

LiteMESH

information



LiteMESH system is used to protect the outer edges of buildings and is installed on their lower levels. It helps to protect circulation areas. The net catches falling objects and protects people. LiteMESH is a combination of two nets with a wide and small loops. It catches large objects and small elements and even semi-liquid materials, i.e. mortar.

The system is universal and easy to install to the front and the top of a roof, as well as to a wall. Thanks to its small weight and flexibility, the system can be adjusted to any conditions.

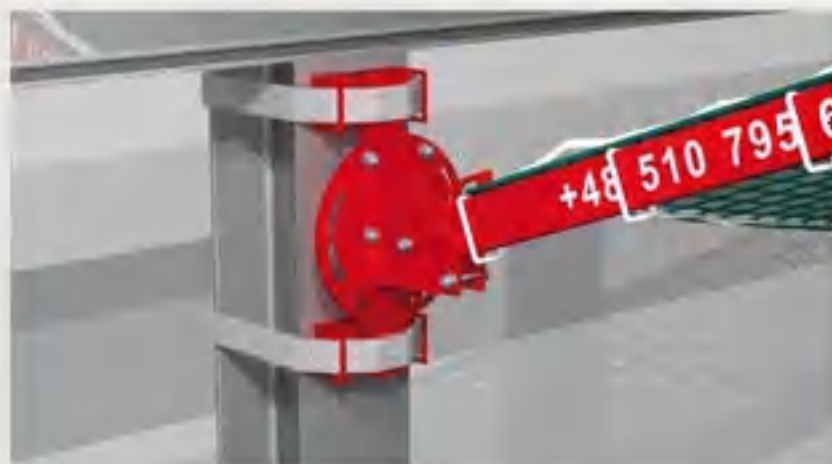
LiteMESH net provides fast and cheap protection during construction and other works that require higher safety standards.



LiteMESH module in a top attached configuration



LiteMESH module in a front attached configuration



LiteMESH module allows to be attached to vertical poles or horizontal boards (steel, concrete etc.) - console fixing adapter

advantages



- catches falling objects
- easy and quick installation
- flexibility
- low weight
- protects circulation areas
- economical
- manual installation



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Features

- light construction
- easy and intuitive installation
- simple and flexible system
- universal fixing adapter
- console fixing adapter
- angle adjustment
- possibility to fold the net
- easy storage and transport



Light modular construction



Adapter allows to fix the net to the front, bottom or top of the ceiling



Tilting arm allows to adjust the net to individual requirements



Possibility to fix the net to vertical and horizontal boards



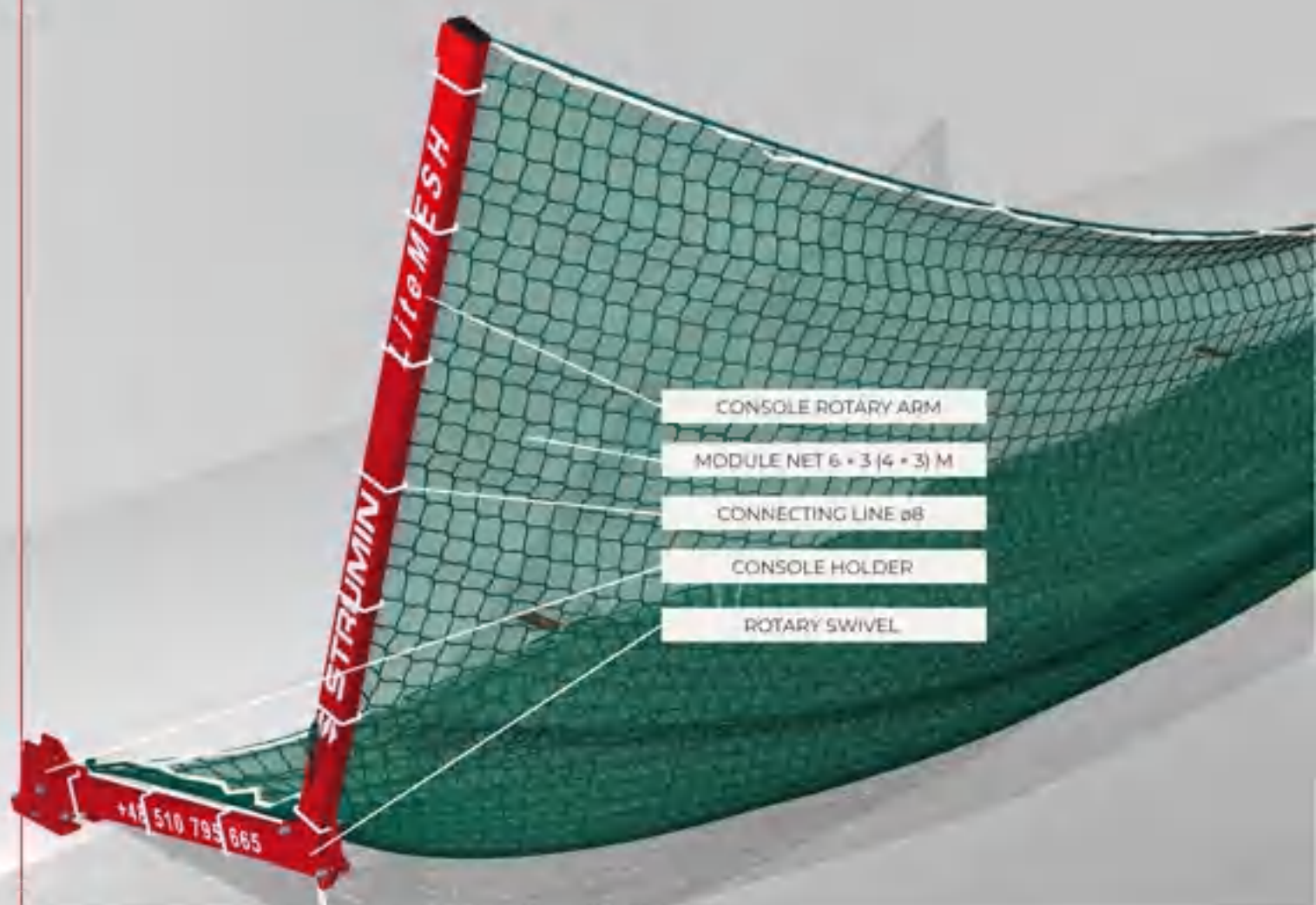
100 x 100 net catches falling objects and tools
"Mosquito" net catches small elements



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NAME	CAT. REF.	L. [m]	S. [m]	H. [m]	Net / edge line	construction	Weight [kg]
MODULE LIM 6m	771	5,6	3	-	-	-	37
CONSOLE LIM	772	-	3	-	-	-	16
STRETCH LIM	773	4,5	1	1	Galvanized Ø2	STEEL LAQUER	1
S NET 6x3m	665	6	3	-	Galvanized Ø4 (0,5M)		5
S NET 4x3m	668	4	3	-	-		4
CORNER S NET 3x3m	664	3	3	-	-		3



MODULE LIM (*)

(*) The module consists of one console, a console net (the visualizations are not an offer draft)



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Nets type T

NETS

type T

information



T-type net systems protect the workplace if there is the danger of a fall from heights. The system is a connection of two nets with wide and small loops. It catches people, large objects and small elements, and even semi-liquid material, i.e. mortar. The construction is a damping system which absorbs energy generated during a fall and minimizes the overload that is created while trying to stop a falling object/person.

advantages



- catches falling people and objects
- absorbs a fall from up to 7 m
- protects circulations areas
- compliance with EN-1263-1:2015-02E standard
- universal installation
- durable construction
- manual installation



Type T net ceiling module



Type T net wall module



Type S corner net

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Technical specification



features



A modular system installed from the top.



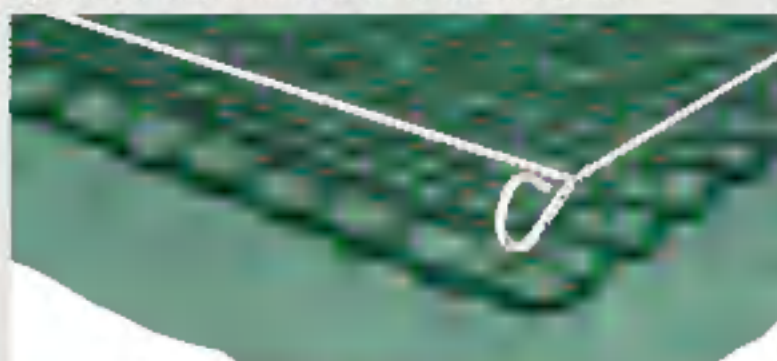
A regulated jaw holder.



An adapter mounted to a wall.



Quick installation with screws inserted in concrete.



A 60 x 60 net catches falling objects and tools.
A "Mosquito" net catches small elements.

- simple, modular construction
- regulated ceiling holder - adjustment of the jaws spacing from 20 cm do 110 cm
- self-locking wall holder
- fast and durable installation
- a net catching people and objects
- a "mosquito" net catching small elements
- easy to store and transport
- line elements



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Technical specification of the T type net



NAME	CAT. NO.	L (m)	S (m)	H (m)	Net / wood line	construction	Weight (kg)
MODULE 6m	661	6	3	2,4			120
MODULE 4m	662	4	3	2,4			106
WALL MODULE 6m	671	6	3	2,4			103
WALL MODULE 4m	672	4	3	2,4			89
S NET 6x3m	665	6	3	-	POURPOLYENE 25 / POURPOL 24 (30%)	STEEL ZINC	5
S NET 4x3m	668	4	3	-			4
CORNER NET 3x3m	664	3	3	-			3



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STAIRWAYS

MODULO N

Information



Construction site stairways are universal devices providing safe move between floors at construction sites. Thanks to four available sizes and smooth angle regulation, they provide the access to any working level. Folded stairways may be used as a bridge with a range of 5.7 m. Thanks to the implementation of high, cold-formed profiles, the system's project provide high durability of the construction and does not demand any additional support or toe boards.

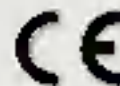
Advantages



- universal system
- different available lengths
- a stairway and a bridge in one
- anti-slip
- galvanized construction
- simple and intuitive installation
- compliance with applicable safety norms
- certified



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- modular system
- available in 3, 6, 9, 12, 15, 18 and 21 steps modules
- a stairway and a bridge in one
- integrated railing
- anti-slip steps
- galvanized construction
- easy and intuitive installation
- quick and durable assembly with reusable screws inserted in concrete
- ease of storing and transporting



Automatically positioned side foot and upper part of the stairways

Supporting beam serves as a toe board

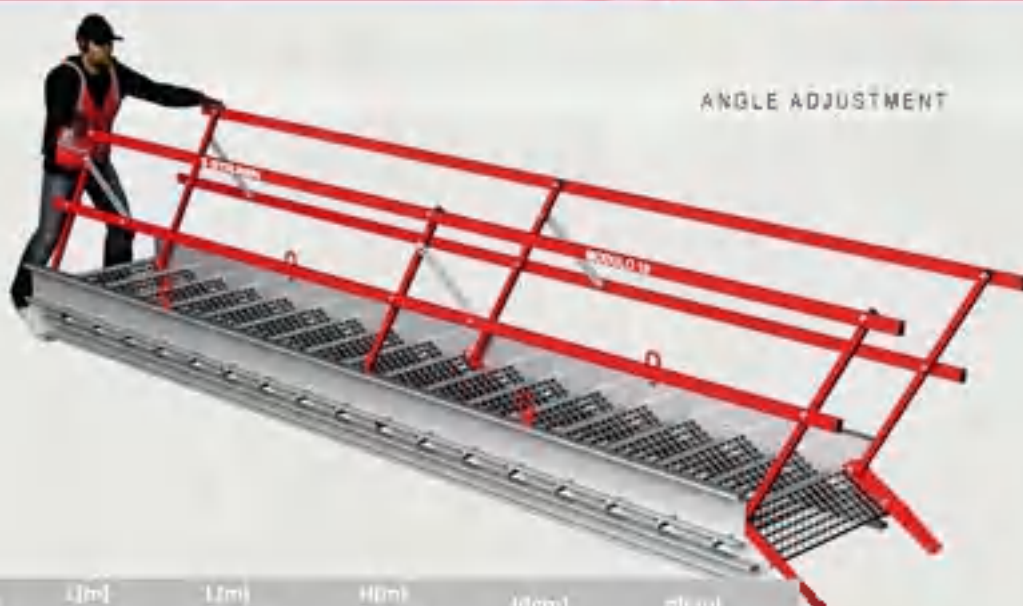
Railing joined to the steps, angle adjustment

Supporting beams and steps made of hot dip galvanized steel

Anti-slip steps

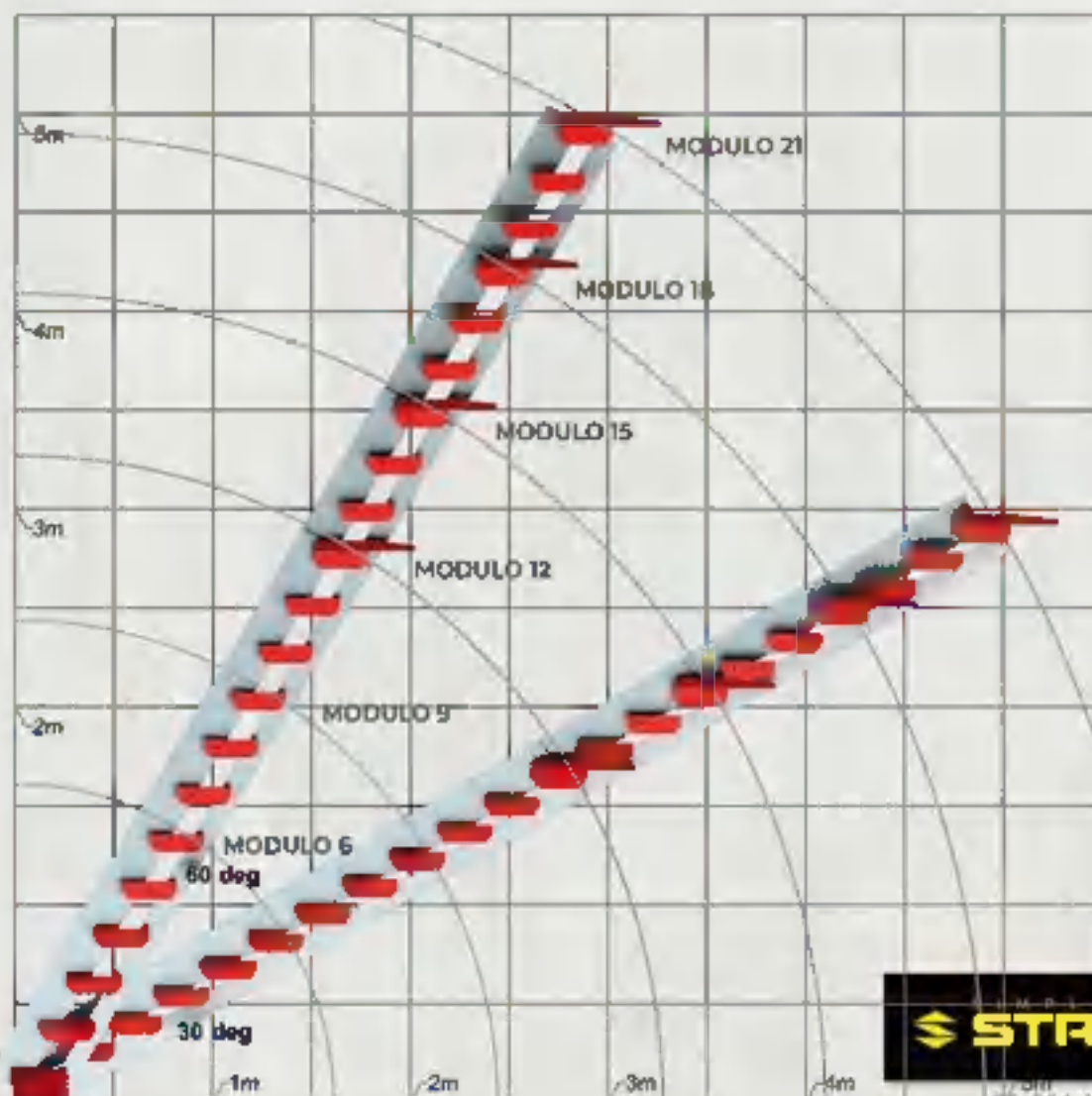


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ANGLE ADJUSTMENT

NAME	CAT. NO.	L[m] for 2'	L[m] for 1'	H[m] for 2'	H[m] for 1'	g[m]	g[m]
MODULO 6	1101	1,7	1,5 / 1,0	1,0 / 1,4	13,7 / 23,8	23,8 / 13,7	
MODULO 9	1102	2,5	2,2 / 1,4	1,3 / 2,1	13,7 / 23,8	23,8 / 13,7	
MODULO 12	1103	3,3	2,9 / 1,8	1,7 / 2,8	13,7 / 23,8	23,8 / 13,7	
MODULO 15	1104	4,1	3,6 / 2,2	2,1 / 3,5	13,7 / 23,8	23,8 / 13,7	
MODULO 18	1105	4,9	4,3 / 2,6	2,6 / 4,2	13,7 / 23,8	23,8 / 13,7	
MODULO 21	1106	5,8	5 / 3	2,9 / 4,9	13,7 / 23,8	23,8 / 13,7	



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DUMP SKIP CONTAINER

information



A skip container is used to transport different types of materials, i.e. hardcore, waste, equipment, tools or mortar. The container allows to safely unload construction waste by a crane or a loader operator. The solution increases the level of safety at a construction site and lowers the risk of accidents. Together with a dump platform, the container allows to be transported with a pallet truck to any place at a construction site.

advantages



- construction which allows to dump materials
- safe
- high capacity
- mobility
- easy to transport
- certified



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A skip / dump container helps to transport materials during construction processes.



Using both a skip and a platform. The system helps to unload and transload materials.



Transport and unloading of hardcore and waste.



Skip / Dump container



NAME	CAT. NO.	L [mm]	S [mm]	H [mm]	material	weight [kg]
SMALL SKIP CONTAINER 0,8m ³	1000	1500	1050	800	steel lacquer	115
LARGE SKIP CONTAINER 1,4m ³	1001	1550	1200	1100	steel lacquer	135



STRUMIN

ESTABLISHED 1961
KATAJUNEN, FINLAND
100% STEEL

information



Canopies are used to increase the level of safety and the comfort of working. They help to organize points where workers gather tools, PPE and collective protective equipment. Canopies may be used to create working areas that provide safety of people, machines and devices and protect them from different weather conditions, such as rain, snow and insolation. The can also be used as a place where different elements, such as a switchgear, a first aid kit, firefighting equipment, information boards, benchtops and other objects are gathered.



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A stackable construction allows to easily store canopies.



Simple, intuitive installation and deinstallation in just a few steps.



Adjustable legs and a well with accessories.



Features

- increases safety
- rises the comfort of work
- easy and quick installation
- visible
- modular construction
- easy to store and transport
- compliance with EN ISO 12100:2012
- different applications



Transport holders for a crane's sling.



A transport locker of the legs



A board with accessories.



Optimal storing and transport.




Easy, intuitive installation



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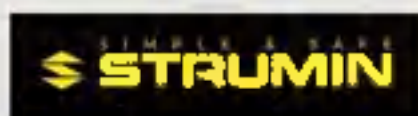
CANOPIES

i Canopies increase the level of safety and comfort at a working area. It is an optimal solution for organizing workspace at a construction site. Thanks to a modular construction, it is possible to create a complete product equipped with a switchgear, a first aid kit, firefighting equipment, information boards, benches etc. Canopies belong to the "machines and devices" group and this is how they are classified from the formal point of view.

-  protects the user from unfavourable weather conditions
- increases the safety and comfort of work
- provides access to basic OSH equipment
- an easy and intuitive installation
- a simple and flexible system
- a modular construction
- easy to store and transport
- certified in accordance with the 2006/42/EC directive
- standardized norms EN ISO 12100:2012



NAME	CAT. NO.	L [m]	B [m]	H [m]	construction	weight[kg]
CANOPY	1400	3,30	2,25	2,40	Steel, lacquer / galvanized	155
CANOPY (folded)	1400	3,10	0,41	2,40	Steel, lacquer / galvanized	155



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SIMPLE & SAFE
STRUMIN



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SOLID BOX
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571 500 1000



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SOLID BOX

SOLID BOX

SOLID BOX

information



SOLID BOX is used to safely store and transport tools. Its design connects functionality, mobility and ease of transport with a crane, a pallet truck or a forklift truck. Anti-theft construction of the box is supported by a range of safeguarding measures. Thanks to its versatility, it can be used both at small and big construction sites.



The SOLID BOX is made of powder-coated steel. It is available in three sizes and two colour versions.

advantages



- safety of tools
- ease of transport
- mobility
- big capacity
- anti-theft
- waterproof
- certified



A lid is retained with a automatic shock absorber which prevents shocks during road picking and protects the user's fingers from being caught.



The box offers different options and functions, e.g. can be mounted to the surface with anchors.

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Technical specification



Features



A Ribbed lid.



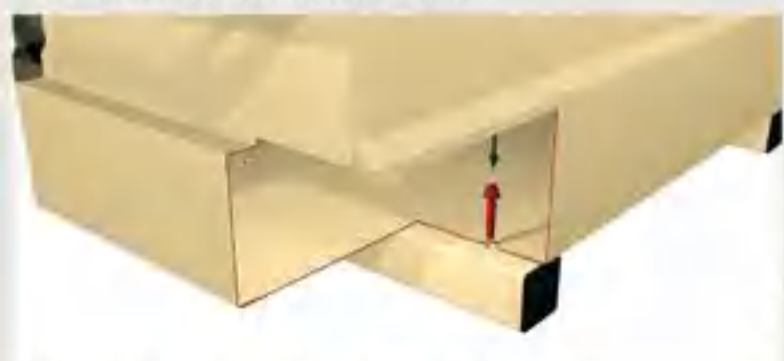
Three points closing the lid.



A collar locking the lid (in case of damaging hinges).

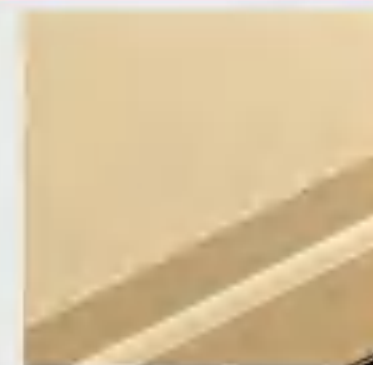


The Pneumatic shock absorber of the lid.

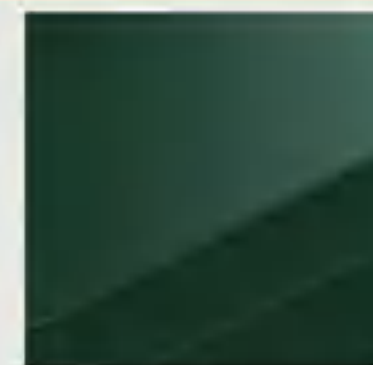


Holes that allow to attach to the surface.
The possibility to attach wheels.

- a multi-point locking system and lid catching
- a lid equipped with a shock absorber
- suitable for transporting with a pallet truck or a crane
- waterproof
- three available sizes
- available colours: sand, army green
- possibility to attach wheels
- produced in a certified production facility
- strengthened construction
- continuous welds
- hidden lock



sand



army green



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Technical specification of SOLID BOX



LARGE BOX



MEDIUM BOX



SMALL BOX

NAME	CAT. NO.	L [cm]	S [cm]	H [cm]	COLOR	WEIGHT [kg]
LARGE BOX	551	200	75	82	SAND	110
MEDIUM BOX	552	150	65	65	↓	70
SMALL BOX	553	100	50	55	↓	45
LARGE BOX	554	200	75	82	ARMY GREEN	110
MEDIUM BOX	555	150	55	55	↓	70
SMALL BOX	556	100	50	55	↓	45



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TRANSPORT BASKETS

information



Transport baskets are used in building, production processes, storing of ready elements and semi-finished products. Their advantage is the possibility to be stored vertically – stacked – what allows to save space and keep the work area clean.

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TRANSPORT BASKETS



information

Transport baskets are available in different versions:

- open, used for transporting larger elements (i.e. steel or wooden profiles, construction props);
- with a mesh, used for storing small, loose elements.

NAME	CA / NO.	L [m]	S [m]	H [m]	construction	weight [kg]
OPENWORK TRANSPORT BASKET	1200	1,2	0,8	0,8	STEEL ZINC	32
TRANSPORT BASKET "MESH"	1201	1,2	0,8	0,8	STEEL ZINC	27
TRANSPORT BASKET "SHEET"	1202	1,2	0,8	0,8	STEEL ZINC	81
LIFT WICKET BASKET	1203	1,25	1,05	1,18	STEEL ZINC	59

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