

System description

ROCKFON® SYSTEM ECLIPSE™ ISLAND

Frameless island system



- Ideal solution for rooms where a suspended ceiling is technically or aesthetically not suitable
- Perfect solution for acoustic corrections
- Available in different shapes and colours
- Easy and quick installation



ROCKFON® SYSTEM ECLIPSE™ ISLAND

DESCRIPTION

ROCKFON System Eclipse™ Island is a frameless acoustic solution available in a variety of geometric shapes. The visible side of the ROCKFON Eclipse island features a minimalistic straight painted A-edge and is covered with a smooth, deep matt, super white painted fleece that has anti-static properties, extending product lifetime. It is also available with on-demand colours. The reverse side of the island is covered with a white acoustic fleece.



ROCKFON Eclipse can be suspended under an existing soffit, T24 grid or gypsum ceiling. Using specifically designed accessories, it can be fixed directly to the soffit itself. The ROCKFON Eclipse Rectangle Island 2360 x 1160 x 40 has two special white aluminum profiles that are integrated to the backside of the island to ensure extra stability during the installation.

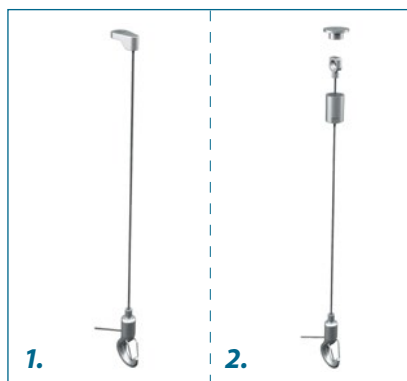
This acoustic system is ideal in rooms and buildings where the use of a traditional suspended ceiling is technically not recommendable (e.g. where the principle of thermal mass is incorporated in the building design) or is aesthetically unappealing. It is a good and flexible solution to make acoustic corrections in existing buildings.

Restrictions

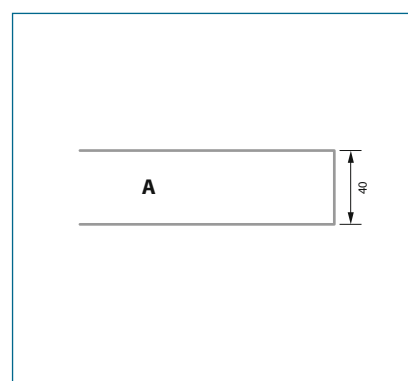
Due to the risk of corrosion, the suspension accessories of ROCKFON System Eclipse Island should not be used in swimming pools or outdoor environments. Furthermore, ROCKFON System Eclipse Island should not be used in areas subjected to wind load and drafts



ROCKFON spiral anchor delivered together with the ROCKFON suspension kits.



ROCKFON supplies two suspension kits variants with 1500 mm adjustable metal wire and safe attachment hook.
1. Classic solution
2. Design solution


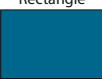







Minimalistic painted straight A edge.

ROCKFON® SYSTEM ECLIPSE™ ISLAND

SYSTEM COMPONENTS

ROCKFON Eclipse is available in a variety of geometric shapes:

ROCKFON ECLIPSE			
Shapes	Dimensions (mm)	Weight (kg/unit)	MS* (mm)
Square 	1160 x 1160 x 40	9.0	15 150
Rectangle 	1760 x 1160 x 40 2360 x 1160 x 40**	13.0 17.0	150 150
Circle 	800 x 800 x 40 1160 x 1160 x 40	3.0 7.0	150 150
Triangle 	1160 x 1160 x 40	4.0	150
Hexagon 	1160 x 1160 x 40	6.0	150
Oval 	1760 x 1160 x 40	10.0	150
Random 	1760 x 1160 x 40	9.0	150

* MS – Minimum Suspension

** Size 2360 x 1160 x 40 is only available in special colours on one side.

Contact us for special shapes, colours, sizes, lead times and minimum quantities.

TILE - A EDGE



A EDGE

ACCESSORIES

1. SPIRAL ANCHOR



2. SUSPENSION KITS – CLASSIC SOLUTION



3. SUSPENSION KITS – DESIGN SOLUTION



ROCKFON Eclipse should be secured with a suspension kit comprising of a 1500 mm long adjustable metal wire and a safety attachment hook. Once assembled, the wire is attached to the island by a spiral anchor that is delivered together with the ROCKFON suspension kit.

ROCKFON provides two suspension kits; the Classic Solution and the Design Solution, which is optimal for projects where aesthetics are important.

ROCKFON ECLIPSE SUSPENSION KITS – CLASSIC SOLUTION

Units/box (incl. spiral anchors)	Weight (kg/box)
4 sets of 4	0.91
4 sets of 6	1.40

The ROCKFON Classic suspension kit can be secured using a standard setscrew that corresponds to the relevant soffit material (e.g. concrete, wood...).

ROCKFON ECLIPSE SUSPENSION KITS – DESIGN SOLUTION

Units/box (incl. spiral anchors)	Weight (kg/box)
2 sets of 4	0.44
2 sets of 6	0.80
2 sets of 4 (incl. 2 x 6 spiral anchors)*	0.50

* Suitable packaging concept for Eclipse 2360 x 1160 mm when mounted without additional load.

The ROCKFON Design suspension kit features a refined cylindrical capping that hides the screw thread, and gives a clean finish. It can be fastened using a standard set screw that corresponds to the relevant soffit material. Alternatively an M6 thread wire can be used.

ROCKFON only guarantees the integrity of the ROCKFON System Eclipse Island if it is installed with ROCKFON spiral anchors.

PERFORMANCE



System load bearing capacity

The maximum load per spiral anchor is 5 kg. Refer to the Service Integration section for recommendations regarding cutouts, for the integration of lights and similar services.



Corrosion resistance

Due to the risk of corrosion, the suspension accessories of ROCKFON System Eclipse Island should not be used in swimming pools or outdoor environments.



System warranty

All ROCKFON ceiling systems have a 30 year warranty. Contact ROCKFON for more information and conditions.

COMPATIBLE TILES

Only ROCKFON Eclipse islands can be used in a ROCKFON System Eclipse Island.

ROCKFON® SYSTEM ECLIPSE™ ISLAND

INSTALLATION

Boxes should be handled with care and by two people. They should be stored in a flat, horizontal position. Each box contains a pair of gloves that should be worn when handling ROCKFON System Eclipse Island.

For an optimised work environment, we recommend installers always observe common work practices and follow the installation advise, as shown on our packaging.

To minimize the risk of damage and for faster and easier installation, one ROCKFON Eclipse island should be handled by two people.

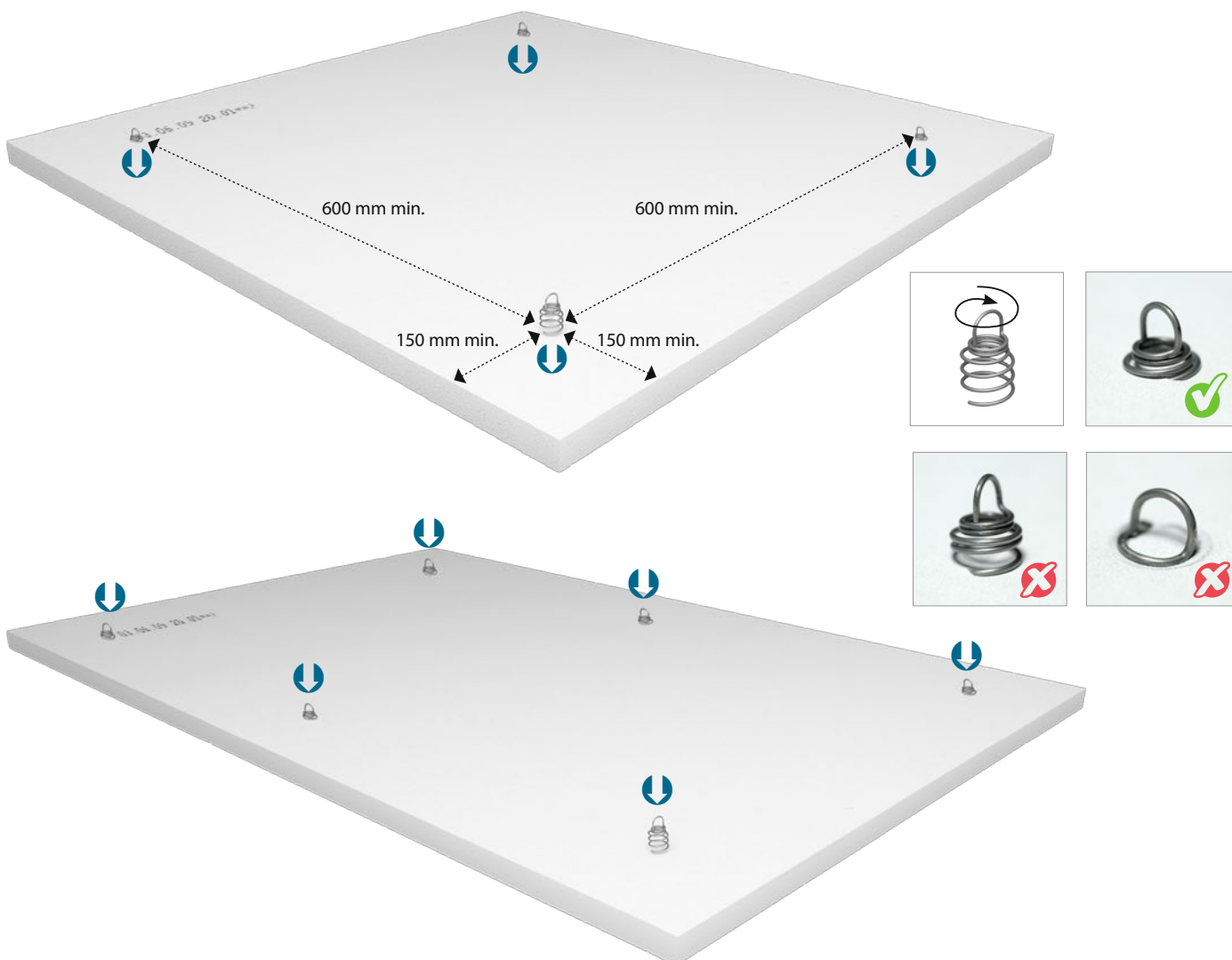
FIXING SPIRAL ANCHORS TO THE ISLAND

ROCKFON Eclipse Square 1160 x 1160 mm and Rectangle 1760 x 1160 mm

Spiral anchors need to be screwed vertically into the back of the island at a minimum distance of 150 mm from the edge.

The minimum distance between spiral anchors should be 600 mm. The maximum load per spiral anchor is 5 kg.

Four spiral anchors are required for a 1160 x 1160 mm island. In the case of 1760 x 1160 mm islands, six suspension points are required and should be distributed evenly.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

ROCKFON Eclipse Rectangle 2360 x 1160 mm

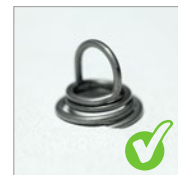
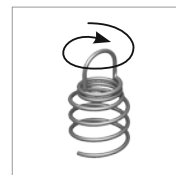
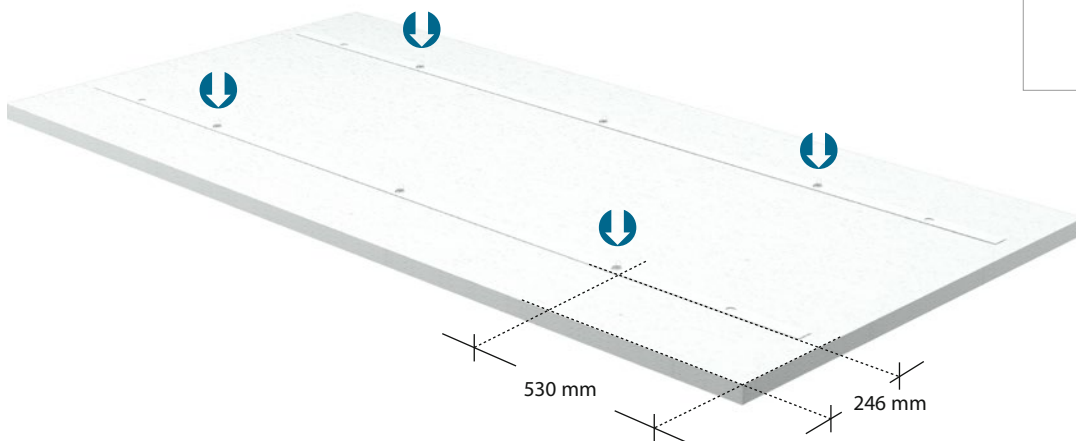
ROCKFON Eclipse Rectangular 2360 x 1160 mm comes with two aluminum profiles on the back of the panel. Both profiles have five holes where a spiral anchor can be placed. The position of the spiral anchors is dependent on the installation method (described below), but for safety reasons at least six spiral anchors are needed in both situations.

Note: It is highly recommended to install ROCKFON System Eclipse Island Rectangle 2360 x 1160 mm level, so that the weight is distributed evenly over all suspension points. The use of an installation table can be very helpful!

Installation method 1:

When no additional weight is being supported by the island, the panel can be installed by using only four hanging points (though six spiral anchors are screwed into the panel). **Do not use the outer holes.**

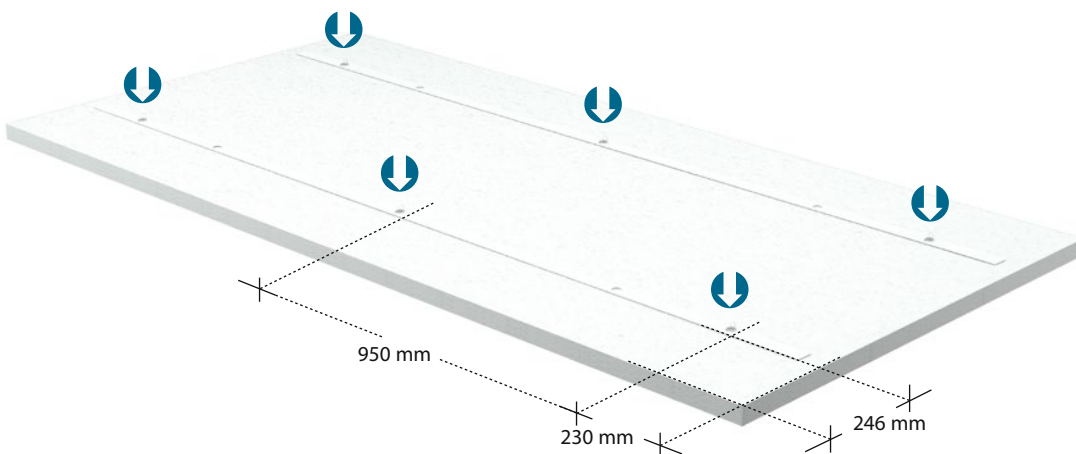
ROCKFON System Eclipse Island Rectangle 2360 x 1160
without additional weight: 4 hanging points



Installation method 2:

When additional weight is being supported by the island (max. 5 kg), the panel needs to be installed by using six hanging points. **Use the outer holes.**

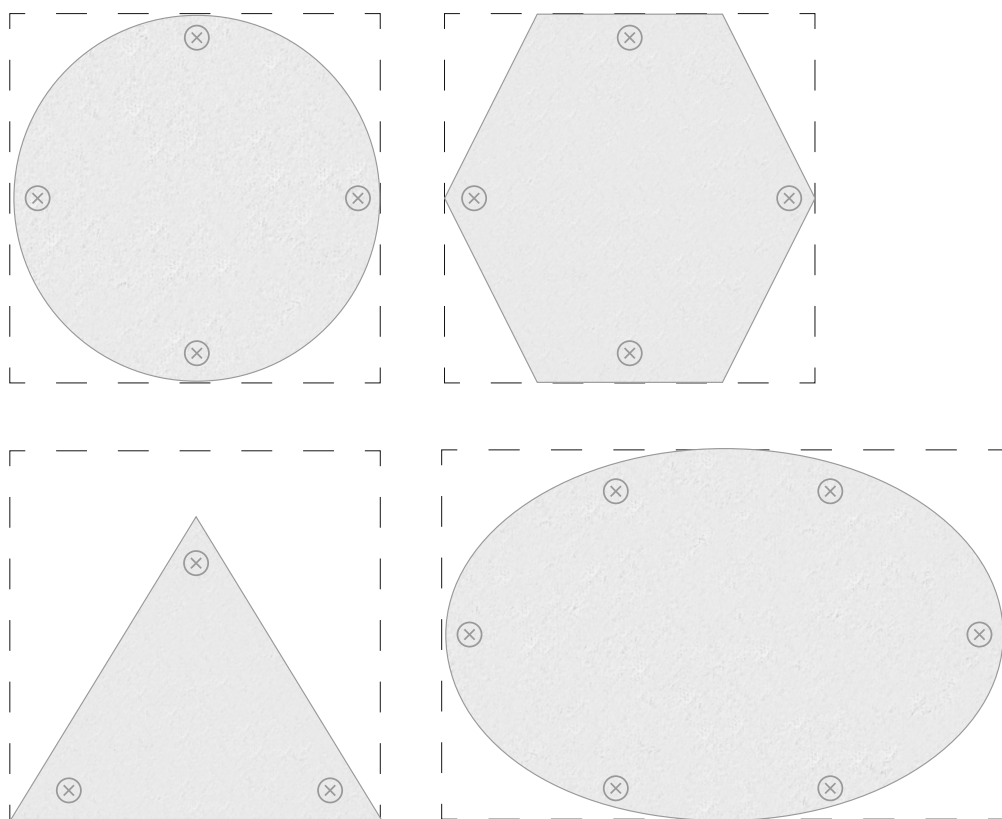
ROCKFON System Eclipse Island Rectangle 2360 x 1160
with additional weight (max. 5 kg): 6 hanging points



ROCKFON® SYSTEM ECLIPSE™ ISLAND

ROCKFON Eclipse Shapes

The spiral anchors should be distributed symmetrically as indicated below and at a minimum 100-150 mm distance from the edge

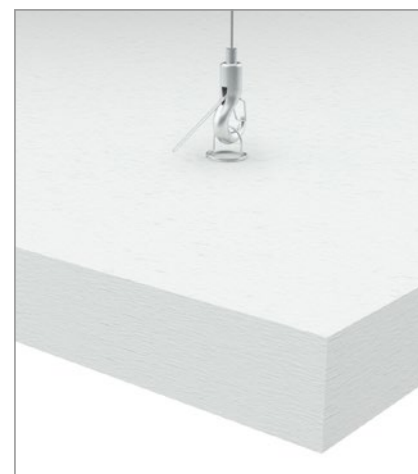
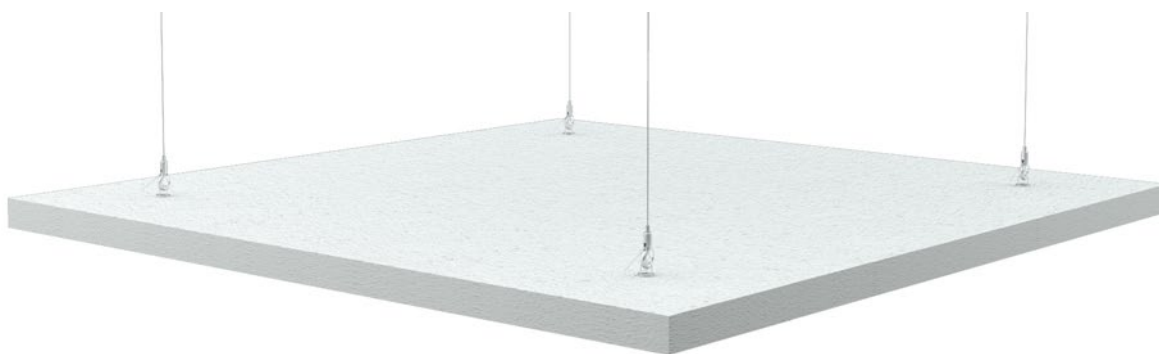


ROCKFON® SYSTEM ECLIPSE™ ISLAND

CONNECTING ROCKFON SYSTEM ECLIPSE ISLAND TO THE STRUCTURE

Please ensure that the supporting structure is solid and that it has a load bearing capacity of at least 25 kg. When fixing to a concrete structure, drill a hole 30 mm deep with a 6 mm diameter drill bit. To protect the top of the M6 thread, fix the dowel before tapping it into the drilled hole. Before proceeding with the installation, check that the dowel has expanded properly. At this stage, only the thread should be visible. Attach the wire to the soffit fixing points. Slide the wire into the hook. The system locks automatically for maximum safety. Attach the hooks to all of the spiral anchors. Ensure that all hooks are correctly attached before raising the island to the required height. Use two people in order to prevent that the island is only attached by one or two hooks.

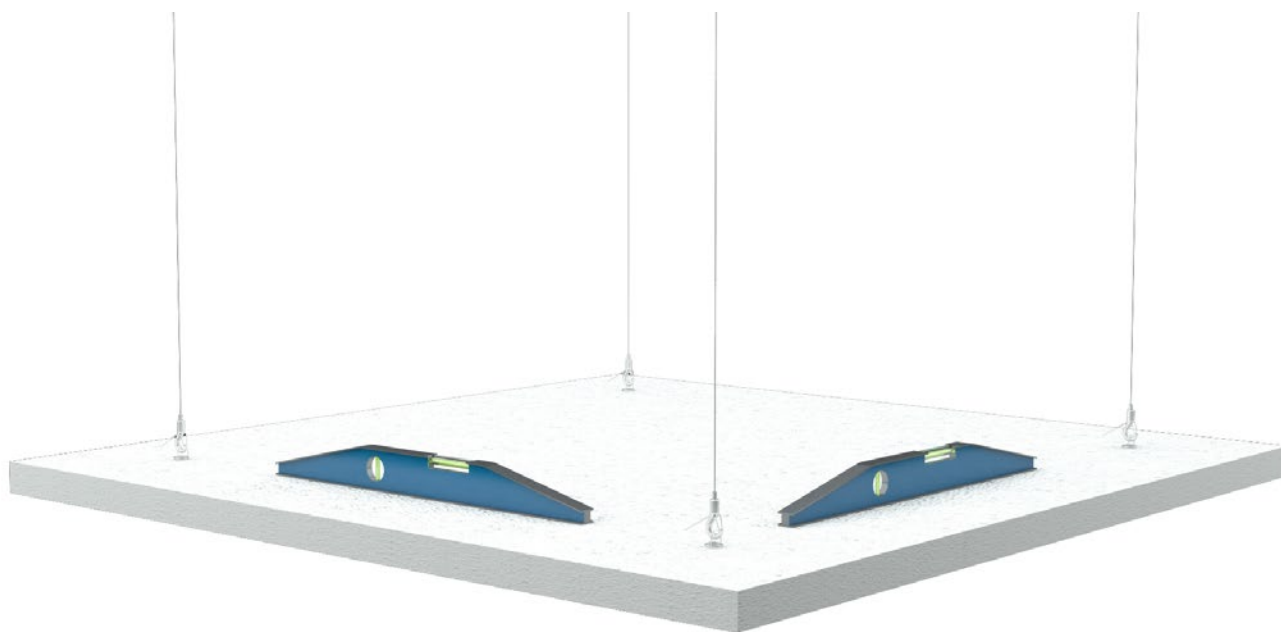
The maximum load per wire is 5 kg, and the minimum installation depth should be 150 mm.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

LEVELING

Adjust the level by using a spirit level. Always make sure that the island is attached at all points so that the weight of the island is evenly distributed. The ROCKFON System Eclipse Island can also be installed at a maximum angle of 45°.

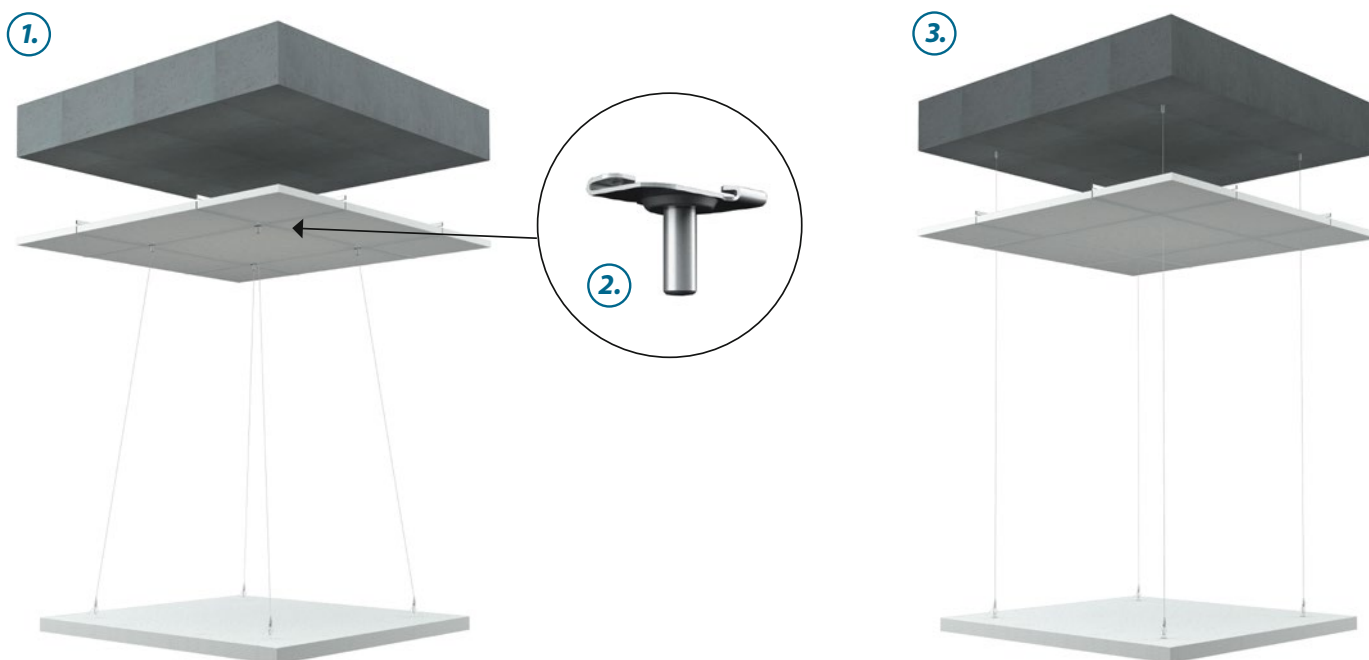


ROCKFON® SYSTEM ECLIPSE™ ISLAND

INSTALLING ROCKFON SYSTEM ECLIPSE ISLAND BELOW AN EXISTING SUSPENDED CEILING

It is possible to fix the ROCKFON System Eclipse Island to existing T24 grids (see illustration N°1) by using standard accessories (see illustration N°2) sold by ceiling distributors. Check with your grid supplier to ensure that the grid can support the load of the ROCKFON System Eclipse Island. Also confirm with the accessory supplier to ensure that the fixing clip can support a load of 5 kg

It is also possible to install the ROCKFON System Eclipse Island below a suspended ceiling by having the wires pass through the ceiling tiles and fixing the suspension system to the structure (eg. concrete soffit) as in illustration N°3.



INSTALLING ROCKFON SYSTEM ECLIPSE ISLAND BELOW AN EXISTING GYPSUM CEILING

Using a plate:

Check with the plate supplier to ensure it can support a load of 5 kg per suspension point.

Drill into the gypsum board. Slide the cable stopper into the plate. Slide the plate into the board and let the plate rest flat on top of board.

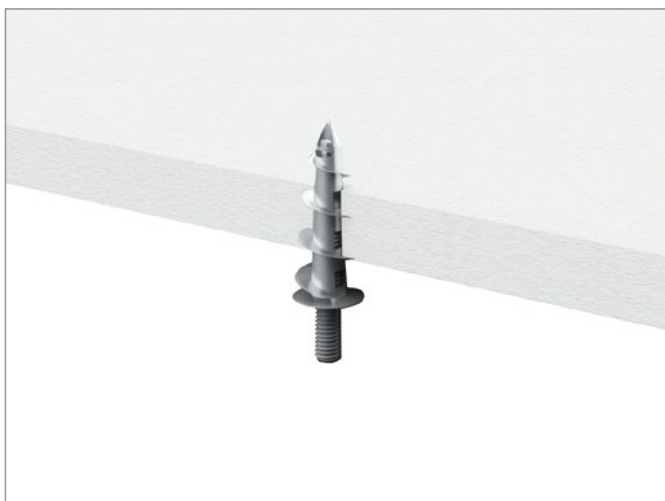


ROCKFON® SYSTEM ECLIPSE™ ISLAND

Using a gypsum plug:

Check with the gypsum plug supplier to ensure it can support a load of 5 kg. Screw the gypsum plug with M6 thread connection into the gypsum board.

Fix the ROCKFON System Eclipse Island suspension system to the M6 connection.



Using a spring toggle:

- 1) Check with the spring toggle supplier to ensure it can support a load of 5 kg. Drill into the gypsum board. Screw the M6 threaded rod into the spring toggle. Insert it into the gypsum board.
- 2) Once the spring toggle passes through the other side of the gypsum board, it opens out and holds the threaded rod in place.
- 3) Screw the ROCKFON suspension kits into the M6 threaded rod.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

INSTALLING ROCKFON SYSTEM ECLIPSE ISLAND DIRECT ON TO THE CONCRETE SOFFIT

Direct installation of a ROCKFON Eclipse Island to the concrete soffit is possible with the "Shallow" bracket.

The space between the island and the concrete soffit will be approximately 15 mm.

Direct installation is not recommended for tiles larger than 1200 x 1200 mm.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

SERVICE INTEGRATION

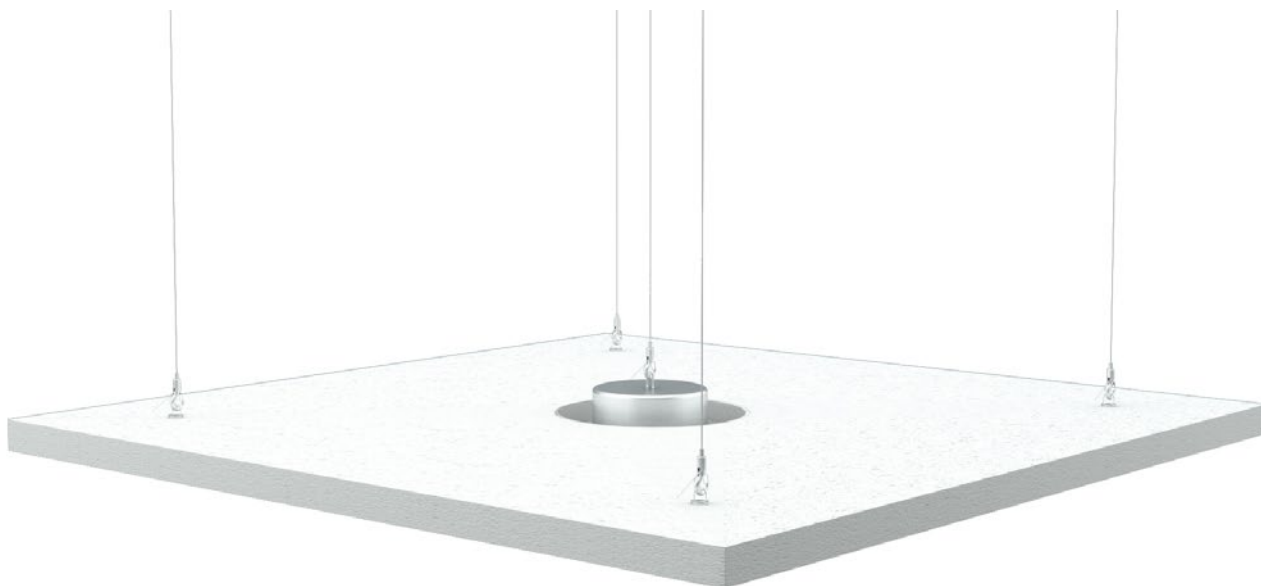
ROCKFON Eclipse islands are easy to cut making integration of service installations very easy. The cutouts can be made with a simple utility knife.

Light installation:

Adding lighting fixtures must be done independently. ROCKFON System Eclipse Island should not support any additional material or fittings.

There is one exception though. A light fixture or beam light can be installed (max. 5kg) in a ROCKFON Eclipse Rectangle 2360 x 1160 mm island as long as all six suspension points are used

For detailed information on the possible cutouts for installing lighting fixtures or other services, please contact your local ROCKFON technician.

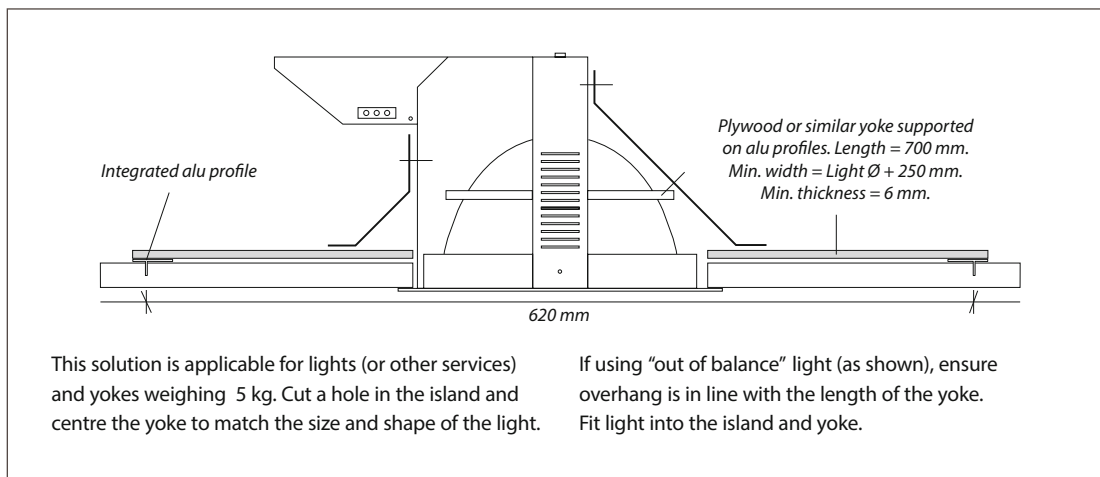


ROCKFON® SYSTEM ECLIPSE™ ISLAND

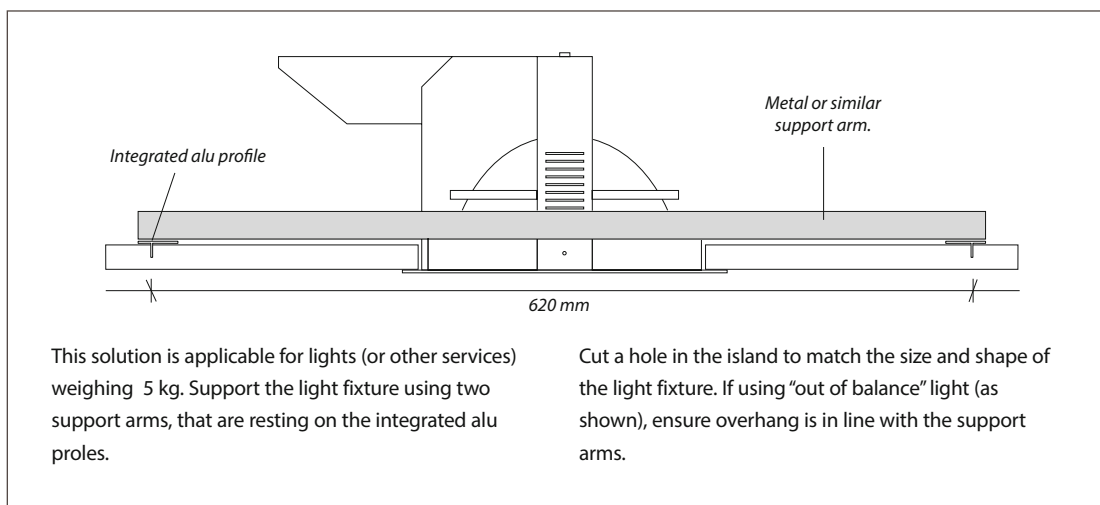
ROCKFON Eclipse Island Rectangle 2360 x 1160 mm

When a light fixture or beam light is installed (max. 5kg), all six suspension points should be used (see page 6).

A: Downlight (or similar service) integrated with yoke



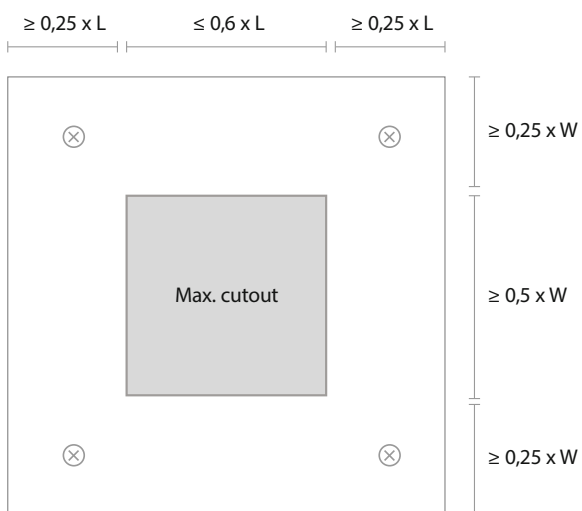
B: Downlight (or similar service) integrated with support arms



ROCKFON® SYSTEM ECLIPSE™ ISLAND

Cutouts ROCKFON Eclipse Island Square 1160 x 1160 mm / Rectangle 1760 x 1160 mm

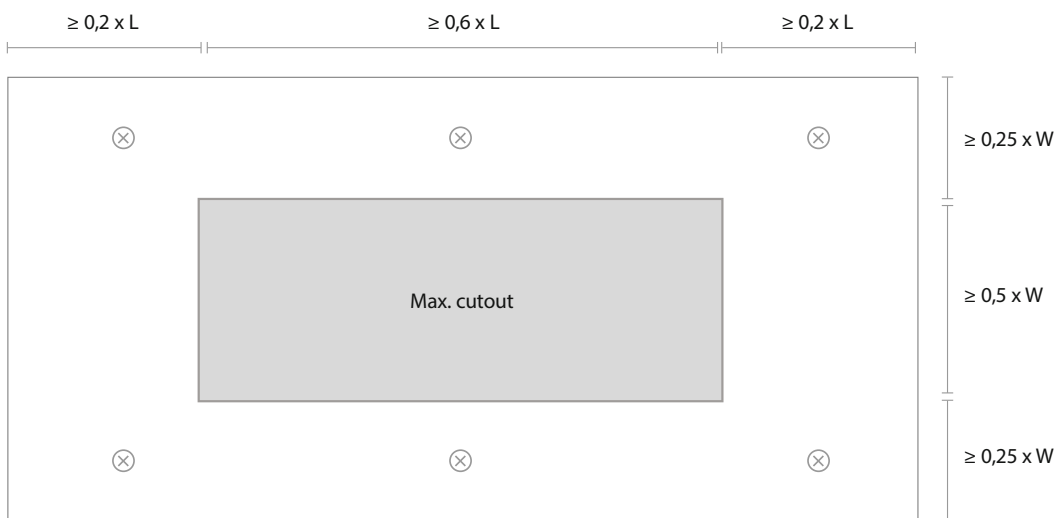
- Distance from the long side: min. $0,2 \times \text{Length}$
- Distance from the short side: min. $0,25 \times \text{Width}$
- Max. cutout: $0,6 \times L \times 0,5 \times W$
- Min. distance between spiral anchor and cutout: 100 mm



Example of ROCKFON Eclipse Island Rectangle 1760 x 1160 mm

- Distance from long side: min. 352 mm
- Distance from short side: min. 290 mm
- Max. cutout: 1056 x 580 mm

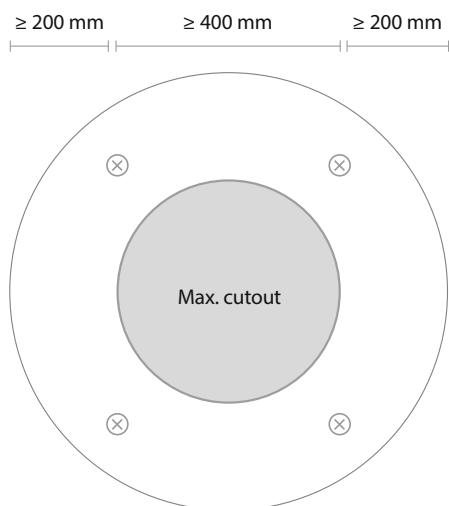
Adding lighting fixtures must be done independently. ROCKFON Eclipse islands should not support any additional material or fittings.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

Cutouts ROCKFON Eclipse Island Circle 800 / 1160

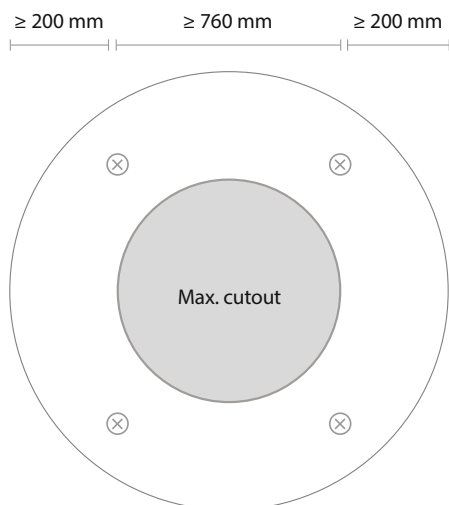
- Distance from the edge: min. 200 mm
- Min. distance between spiral anchor and cutout: 100 mm



Example of ROCKFON Eclipse Island Circle 1160

- Distance from edge: min. 200 mm
- Max. cutout: \varnothing 760 mm

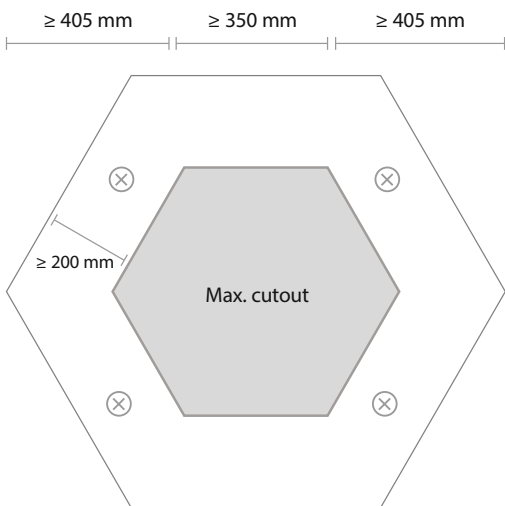
Adding lighting fixtures must be done independently. ROCKFON Eclipse islands should not support any additional material or fittings.



ROCKFON® SYSTEM ECLIPSE™ ISLAND

Cutouts ROCKFON Eclipse Island Hexagon 1160

- Distance from the edge: min. 200 mm
- Min. distance between spiral anchor and cutout: 100 mm



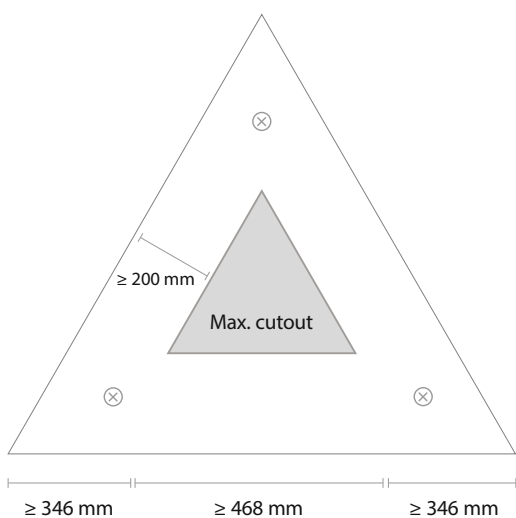
Example of ROCKFON Eclipse Island Hexagon 1160

- Distance from edge: min. 200 mm
- Max. cutout: length of one side 350 mm

Adding lighting fixtures must be done independently. ROCKFON Eclipse islands should not support any additional material or fittings.

Cutouts ROCKFON Eclipse Island Triangle 1160

- Distance from the edge: min. 200 mm
- Min. distance between spiral anchor and cutout: 100 mm



Example of ROCKFON Eclipse Island Triangle 1160

- Distance from edge: min. 200 mm
- Max. cutout: Δ length of one side 468 mm

Adding lighting fixtures must be done independently. ROCKFON Eclipse islands should not support any additional material or fittings.

ROCKFON® SYSTEM ECLIPSE™ ISLAND

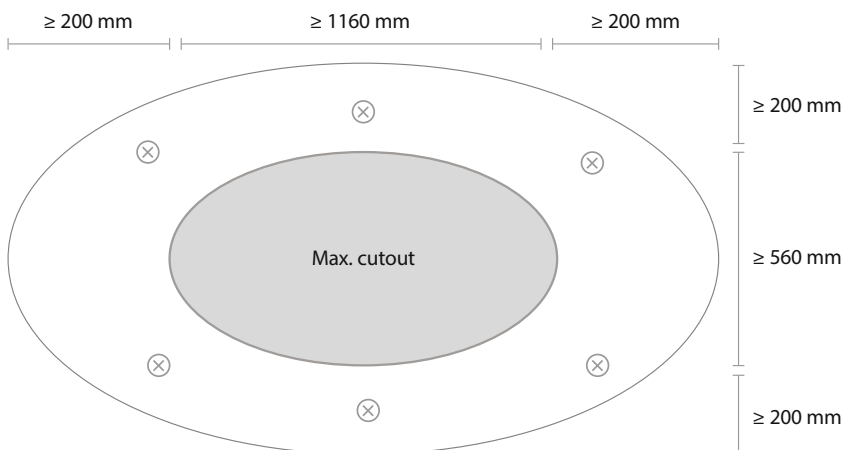
Cutouts ROCKFON Eclipse Island Oval 1760

- Distance from the edge: min. 200 mm
- Min. distance between spiral anchor and cutout: 100 mm

Example of ROCKFON Eclipse Island Oval 1760

- Distance from edge: min. 300 mm
- Max. cutout: 560 x 1160 mm (in oval shape)

Adding lighting fixtures must be done independently. ROCKFON Eclipse islands should not support any additional material or fittings.



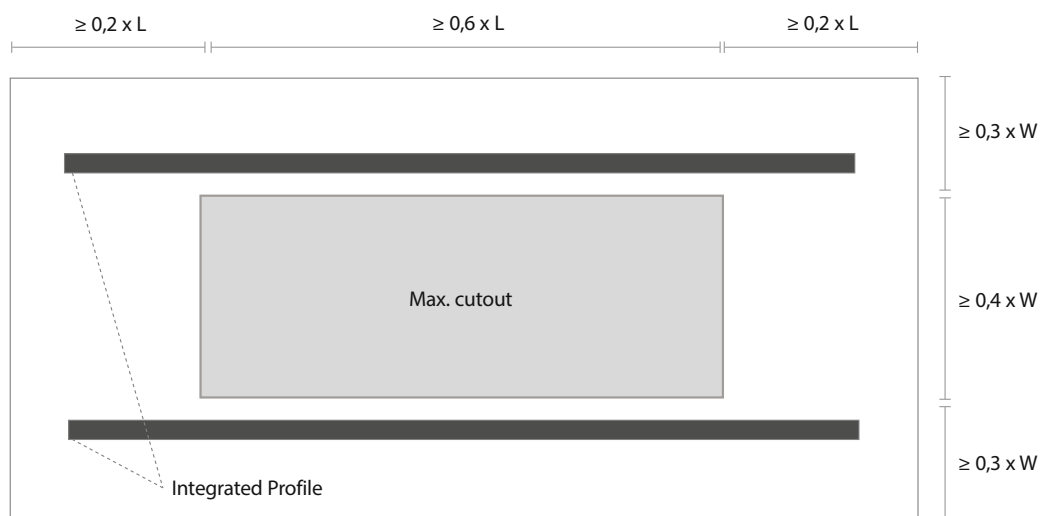
Cutouts ROCKFON Eclipse Island Rectangle 2360

- Distance from the long side: min. $0,2 \times \text{Length}$
- Distance from the short side: min. $0,3 \times \text{Width}$
- Max. cutout: $0,6 \times L \times 0,4 \times W$

Example of ROCKFON Eclipse Island Rectangle 2360 x 1160 mm

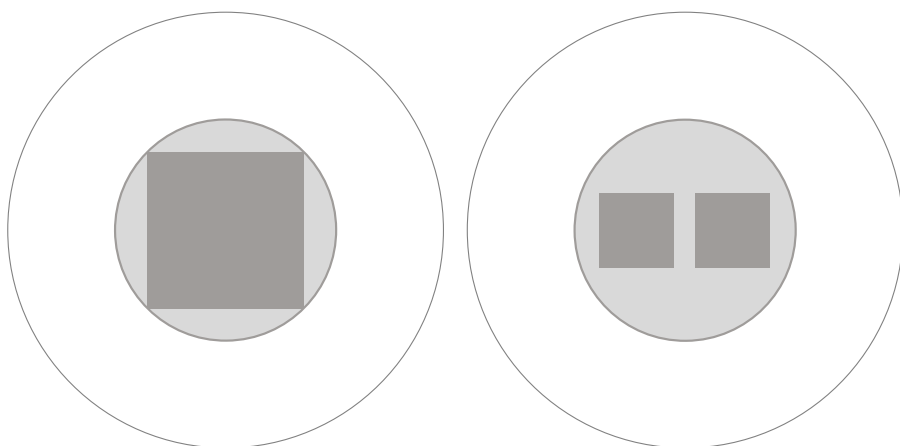
- Distance from long side: min. 472 mm
- Distance from short side: min. 348 mm
- Max. cutout: 1416 x 464 mm

A light fixture or beam light can be installed (max. 5kg) in a ROCKFON Eclipse Island Rectangle 2360 as long as the weight is being transferred to the integrated profiles and all six suspension points are used.



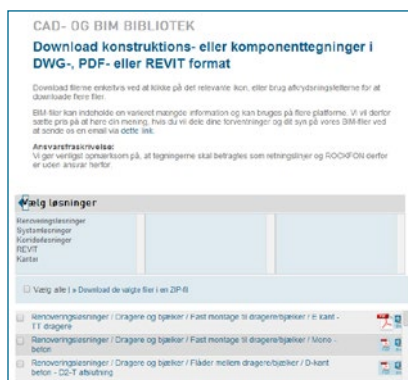
Common information on cutouts:

- The dimensions in the drawings are max. allowable cutouts.
- ROCKFON advises to install lights or similar services symmetrically in the islands. Installation of lighting fixtures or other services should be completed according to the advise given above by ROCKFON.
- ROCKFON advises to use either a knife or a jigsaw to create the cutouts. However, the islands needs to be protected against scratches and dust. This can be done by putting a cardboard or paper between the jigsaw and the panel as protection material.
- Other cutout forms are possible, as long as they don't exceed the max. cutout area.
- Instead of one large cutout it is also permitted to have several smaller cutouts, insofar that they don't exceed the max. cutout area.
- For an optimised working environment, we recommend that installers always observe common workplace practices and follow the installation advise as shown on our packaging.

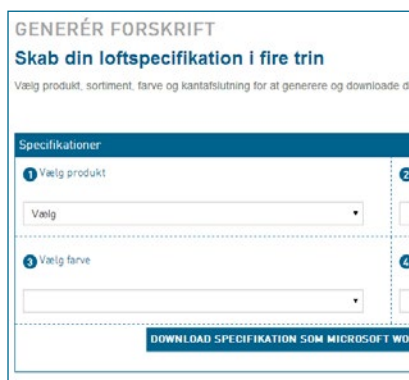


TOOLS

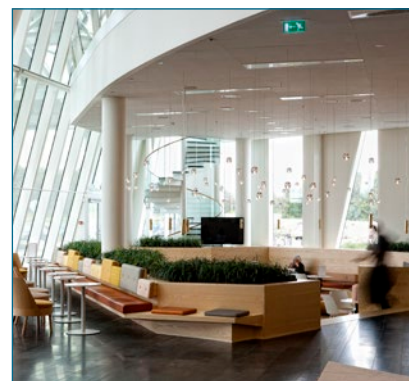
ROCKFON has developed specific tools that are available on www.rockfon.xx



For further information see CAD library on our website



Generate specification texts for our products on our website



Explore our vast library of reference projects on our website