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ECHOTORRENT[®] 24MM DATASHEET

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TENDER TEXT



PRODUCT NAME

EchoTorrent® 24mm

DESCRIPTION

High-performance acoustic room divider with textile surface made of 100% PET.

The EchoTorrent® acoustic room dividers had been designed for extra high rooms with a ceiling height of up to four meters. The high-performance acoustic absorbers can be positioned in individual heights. The minimalistic design reflects the manufacturer's mission to pursue the idea of dematerialisation and functionality.

PRODUCT PROPERTIES

1200x2300-4000x57mm

ACOUSTIC PERFORMANCE

aw: 1.00

NRC: 0.95

INSTALLATION

- Quick installation
- Suitable for use indoors as well as covered outdoor spaces
- Very easy to re-cut with a knife

MATERIAL PROPERTIES

- Extremely robust and shockproof
- Very high colour fastness of the all-round homogeneous textile surface available in over 20 colours
- Flame retardant. B-s1,d0 certified according to EN 13501
- Extremely low volatile organic compounds below < 0.5mg/m²/h, certified according to ASTM D5116
- Formaldehyde emission below < 0.1mg/m²/h, certified according to ASTM D5116
- Dimensionally stable up to 50°C and 95%rH
- Melting point: 250 °C
- Decomposition Temp: > 250 °C
- Alkalinity: pH: 7.8 (pH 7 is neutral)

CLEANING & CARE

Can be cleaned dry and damp with chlorine or hydrogen peroxide.

ENVIRONMENT

- 100% PET with a content of over 50% from recycled PET bottles
- 100% recyclable
- eco-1 rating within eco-bau & Minergie-Eco requirements
- Cradle to Cradle Bronze certified

DISPOSAL

The product is recyclable as part of ECHOJAZZ's stewardship programme.

DATASHEET ECHOBOARD® 24MM



EchoBoard® 24mm is a high quality sound absorber with an aw of up to 1.00 and a NRC of up to 0.95, which can be used for acoustic ceilings, walls, office desks or room dividers.

DESCRIPTION	EchoBoard® 24mm																												
DIMENSIONS	1800mm (± 1mm) x 2400mm (± 1mm)																												
COMPOSITION	100% PET (> 50% recycled PET)																												
PET BOTTLES* PER PANEEL	303 PET Bottles *The number of PET bottles refers to 500ml PET bottles with a bottle weight of 24g.																												
WEIGHT	3600g/m² (± 10%)																												
MATERIAL THICKNESS	24mm																												
LIGHTFASTNESS ISO 105-B02-1994	> 7																												
FIRE TEST EN 13501	B-s1, d0																												
VOC EMISSIONS ASTM D5116	< 0.5mg/m²/h																												
FORMALDEHYDE EMISSIONS ASTM D5116	< 0.1mg/m²/h																												
ENVIRONMENTAL CERTIFICATIONS	eco1 Minergie-Eco Cradle to Cradle Certified® Bronze M1 emission-free materials																												
SOUND ABSORPTION DIN EN ISO 11654 ASTM C423	aw 0.50 (direct mount) aw 0.65 (50mm wall/ceiling distance) aw 1.00 (200mm wall/ceiling distance) NRC = 0.70 (direct mount) NRC = 0.80 (50mm wall/ceiling distance) NRC = 0.95 (200mm wall/ceiling distance)																												
COLOURS	> 20																												
SOUND ABSORPTION GRAPH	<table><caption>Approximate data points from the Sound Absorption Graph</caption><thead><tr><th>Frequency (Hz)</th><th>Direct mount (aw)</th><th>50mm distance (aw)</th><th>200mm distance (aw)</th></tr></thead><tbody><tr><td>125</td><td>0.05</td><td>0.15</td><td>0.55</td></tr><tr><td>250</td><td>0.15</td><td>0.35</td><td>0.85</td></tr><tr><td>500</td><td>0.55</td><td>0.85</td><td>1.05</td></tr><tr><td>1000</td><td>0.85</td><td>1.05</td><td>0.85</td></tr><tr><td>2000</td><td>1.05</td><td>0.95</td><td>0.95</td></tr><tr><td>4000</td><td>1.05</td><td>0.95</td><td>0.95</td></tr></tbody></table> Legend: - Sound absorption coefficient (direct mount) - Sound absorption coefficient (50mm) - Sound absorption coefficient (200mm)	Frequency (Hz)	Direct mount (aw)	50mm distance (aw)	200mm distance (aw)	125	0.05	0.15	0.55	250	0.15	0.35	0.85	500	0.55	0.85	1.05	1000	0.85	1.05	0.85	2000	1.05	0.95	0.95	4000	1.05	0.95	0.95
Frequency (Hz)	Direct mount (aw)	50mm distance (aw)	200mm distance (aw)																										
125	0.05	0.15	0.55																										
250	0.15	0.35	0.85																										
500	0.55	0.85	1.05																										
1000	0.85	1.05	0.85																										
2000	1.05	0.95	0.95																										
4000	1.05	0.95	0.95																										

COLOURS ECHOBOARD® 24MM



ECHOBOARD® 24MM



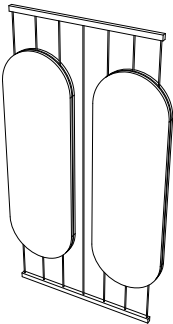
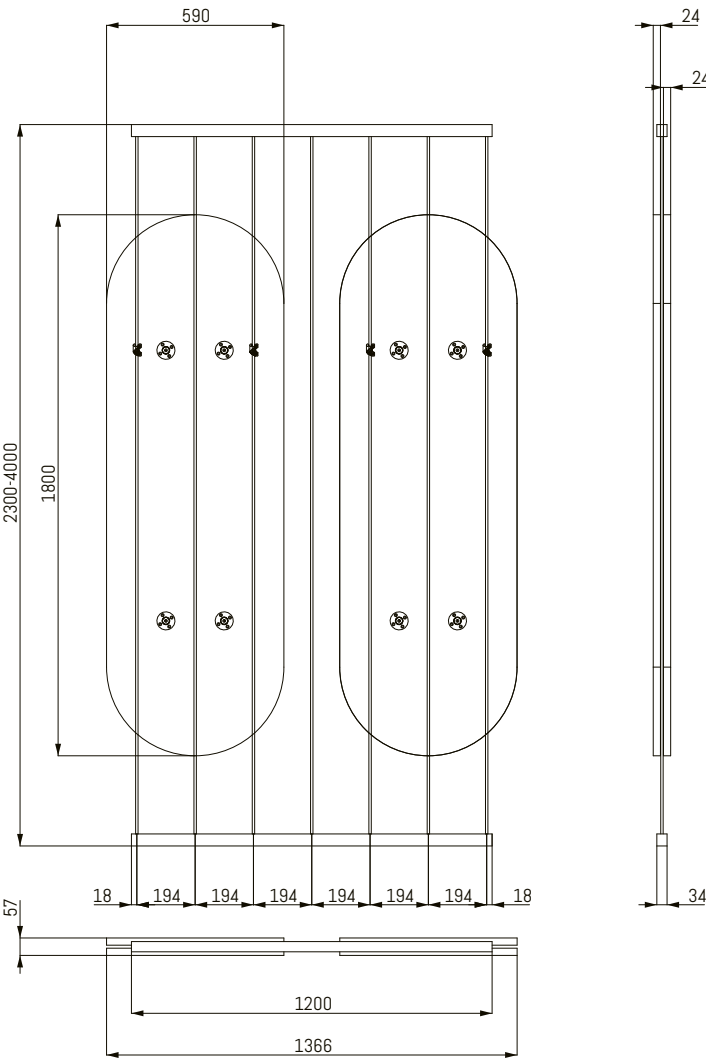
*Discontinued. Colour available from stock while supplies last or on request with a minimum order quantity.



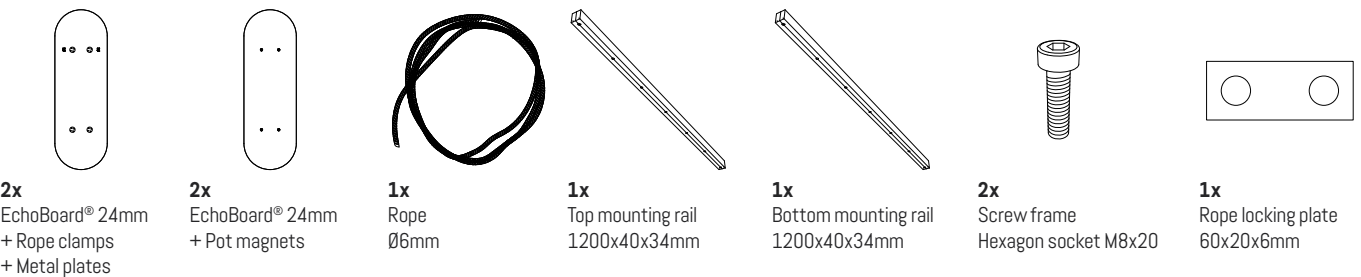
DIMENSIONS & PARTS



ECHOTORRENT® 24MM OBLONG
1701
1200x2300-4000x57mm



PARTS



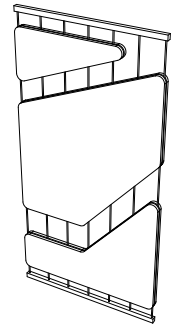
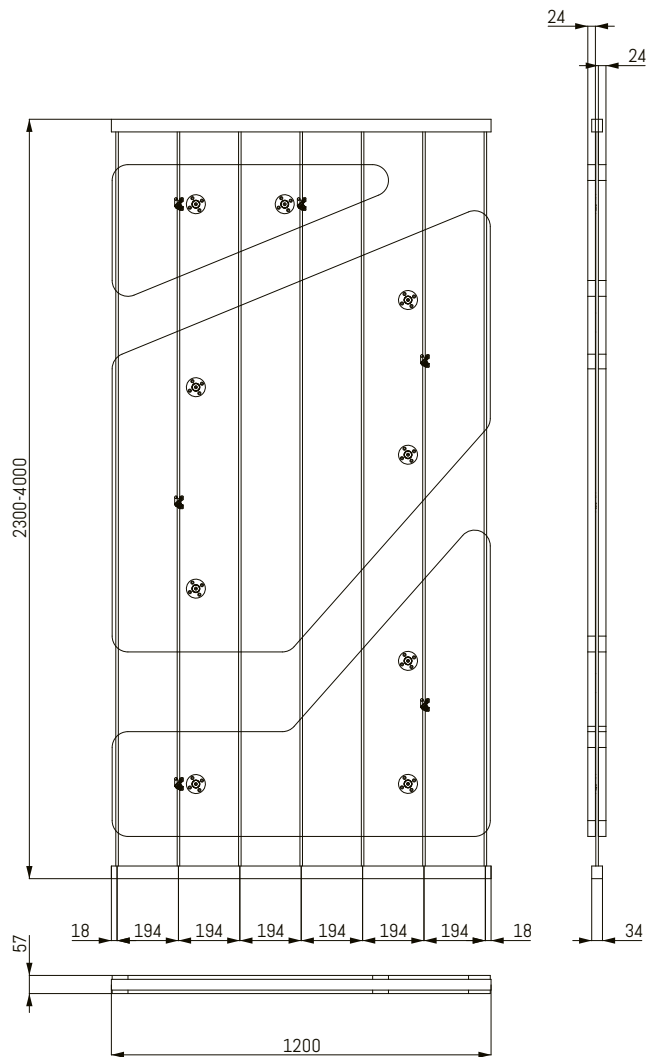
DIMENSIONS & PARTS



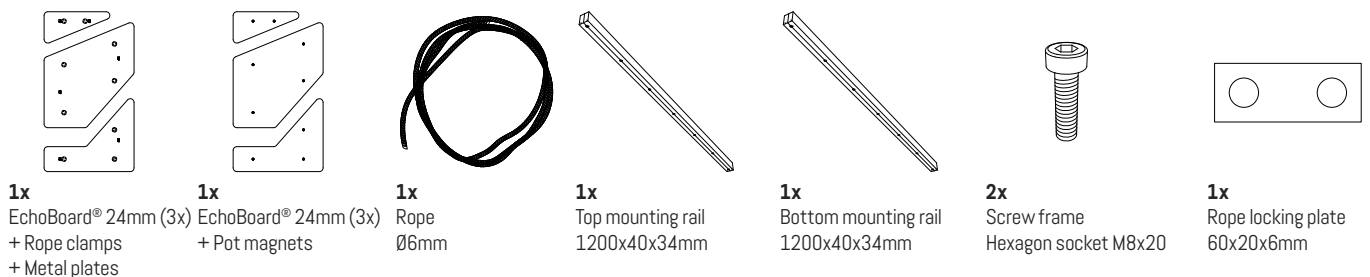
ECHOTORRENT® 24MM BUTTERFLY

1702

1200x2300-4000x57mm



PARTS



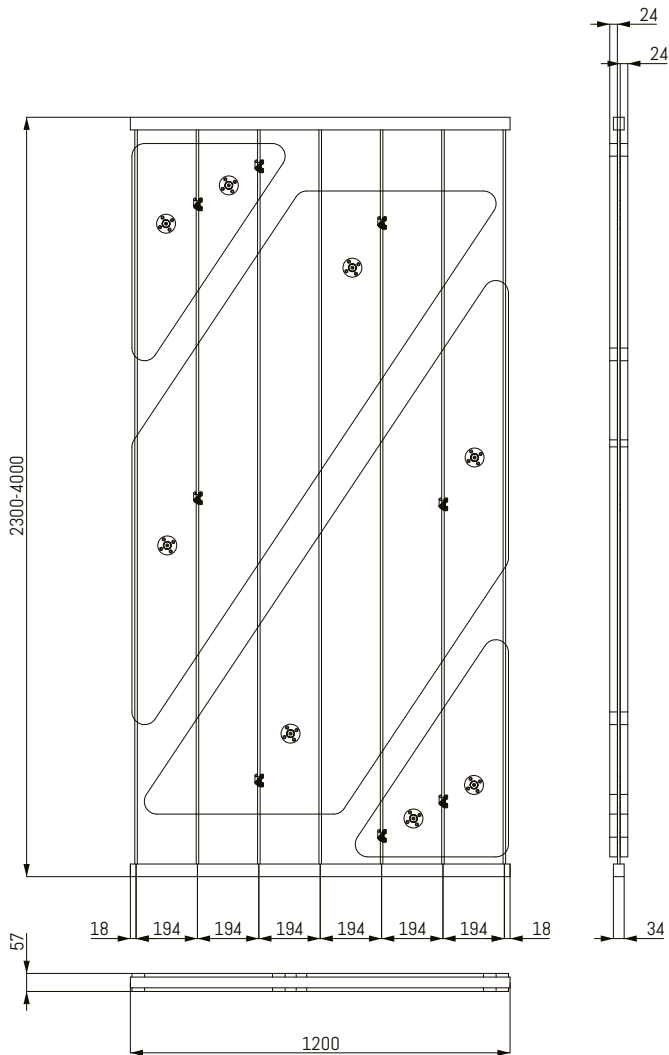
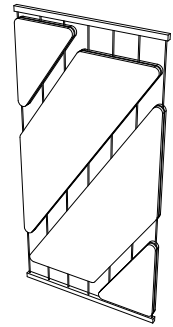
DIMENSIONS & PARTS



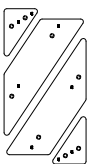
ECHOTORRENT® 24MM DIAGONAL

1703

1200x2300-4000x57mm



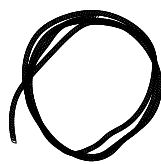
PARTS



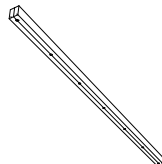
1x
EchoBoard® 24mm (4x)
+ Rope clamps
+ Metal plates



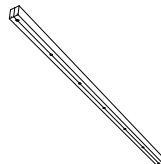
1x
EchoBoard® 24mm (4x)
+ Pot magnets



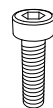
1x
Rope
Ø6mm



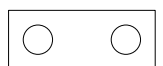
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

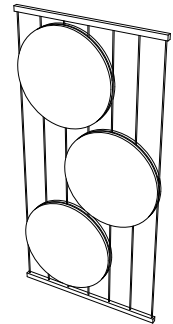
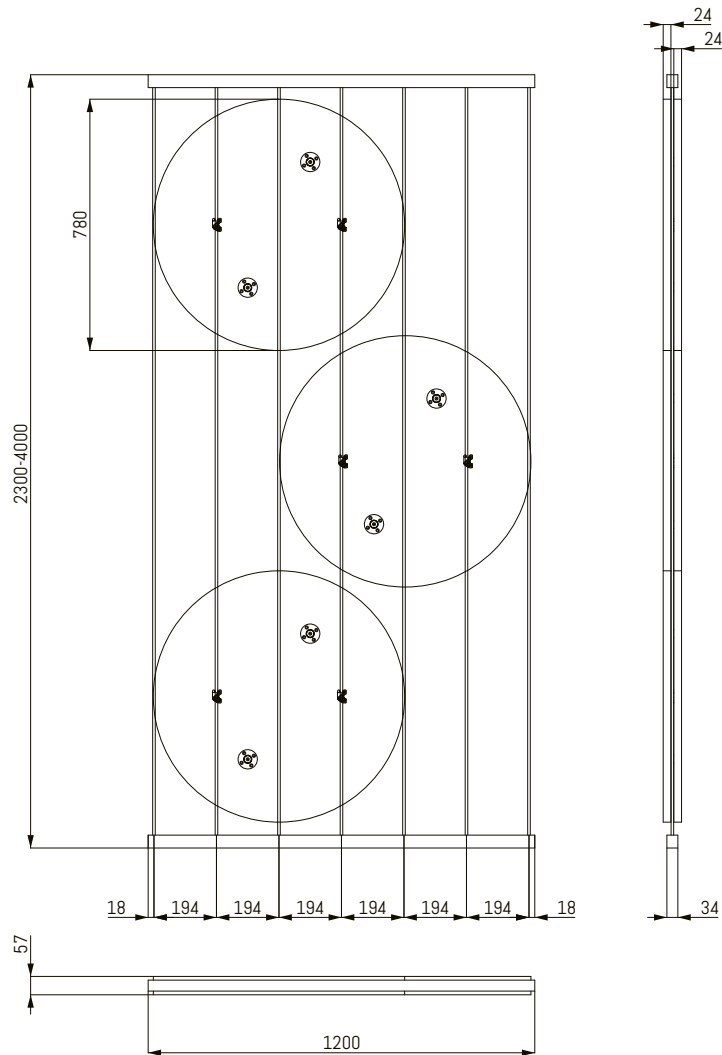
DIMENSIONS & PARTS



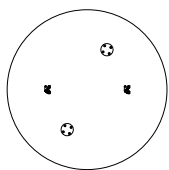
ECHOTORRENT® 24MM DOT

1704

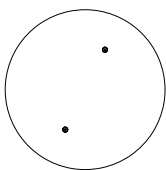
1200x2300-4000x57mm



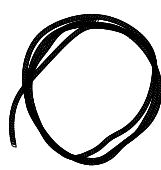
PARTS



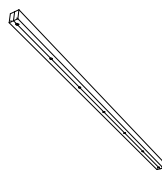
3x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



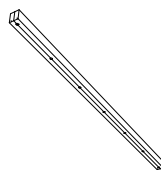
3x
EchoBoard® 24mm
+ Pot magnets



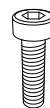
1x
Rope
Ø6mm



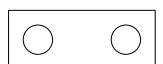
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

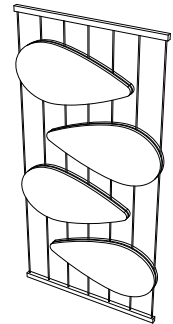
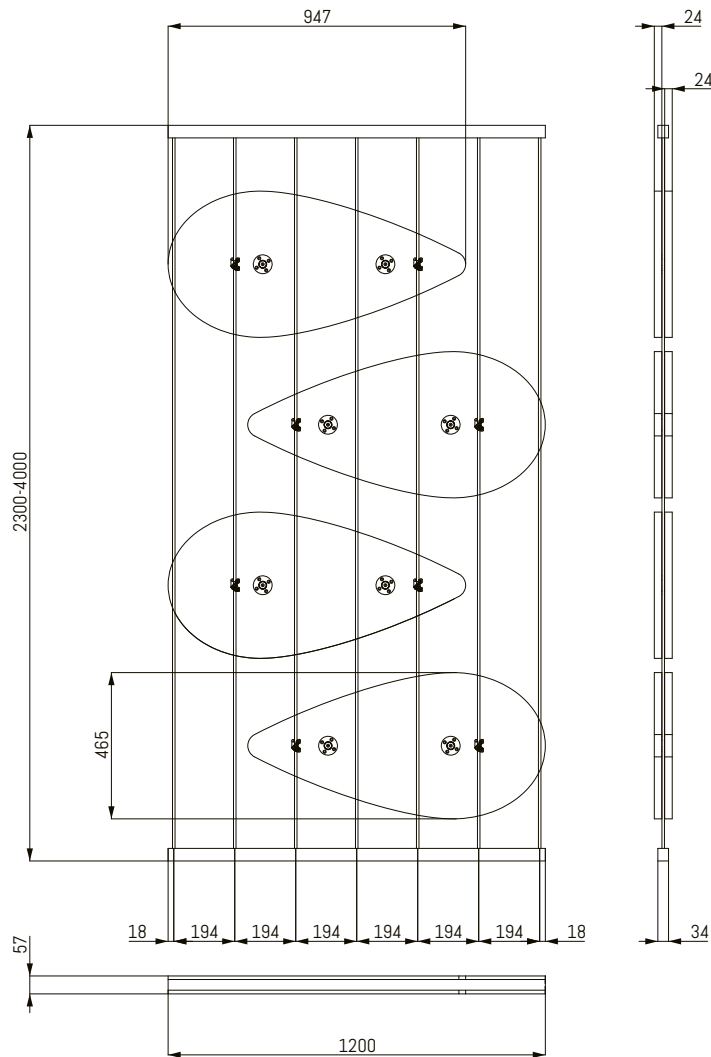
DIMENSIONS & PARTS



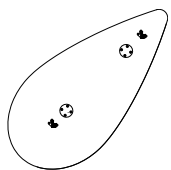
ECHOTORRENT® 24MM DROP A

1705

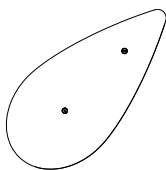
1200x2300-4000x57mm



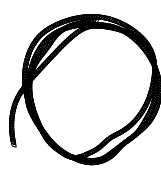
PARTS



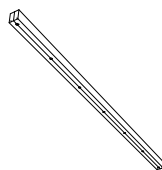
4x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



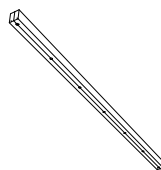
4x
EchoBoard® 24mm
+ Pot magnets



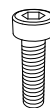
1x
Rope
Ø6mm



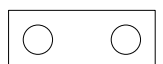
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

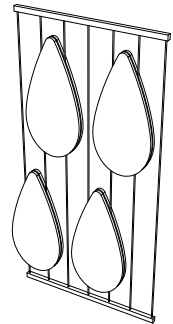
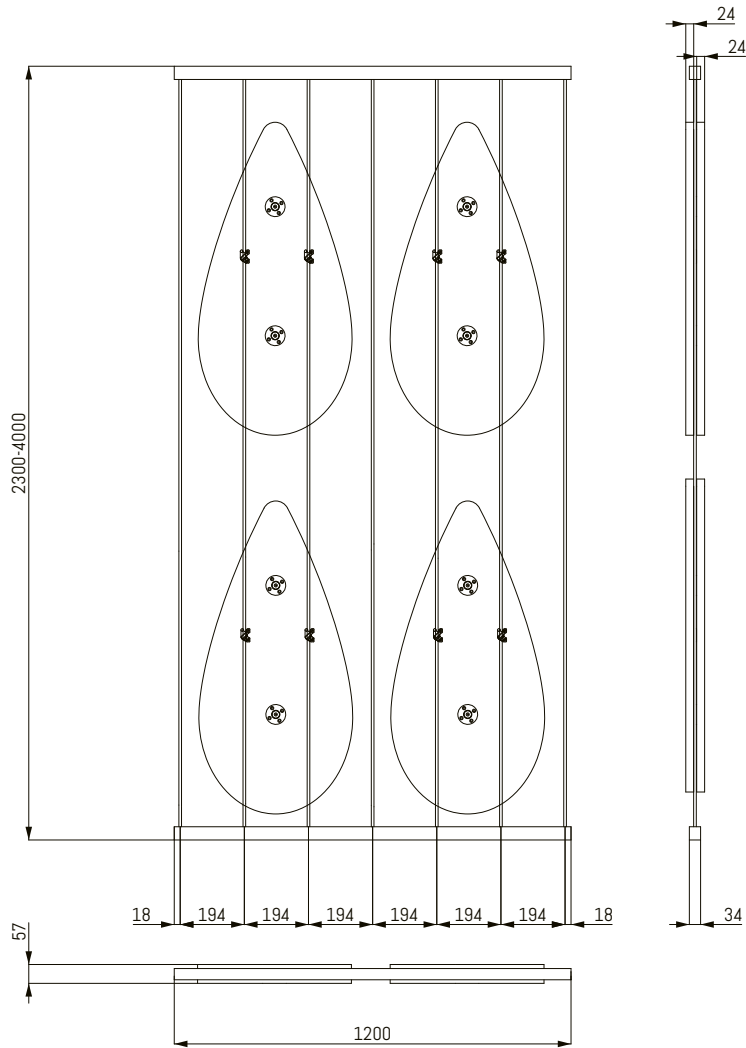
DIMENSIONS & PARTS



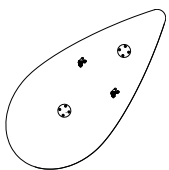
ECHOTORRENT® 24MM DROP B

1706

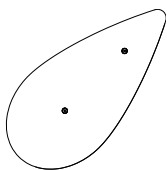
1200x2300-4000x57mm



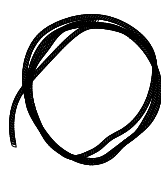
PARTS



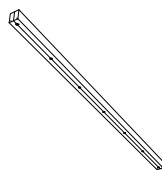
4x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



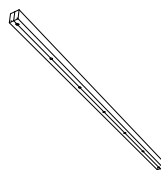
4x
EchoBoard® 24mm
+ Pot magnets



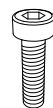
1x
Rope
Ø6mm



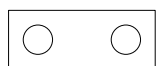
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

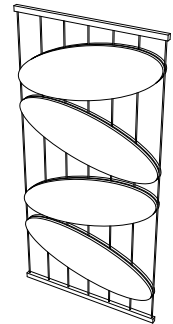
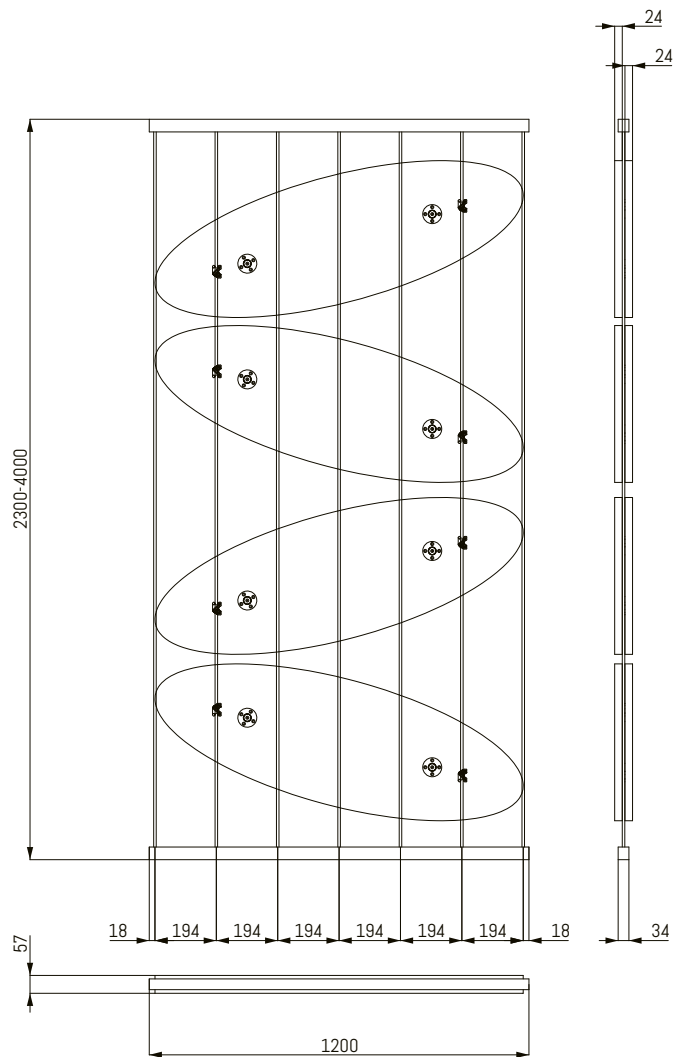
DIMENSIONS & PARTS



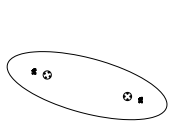
ECHOTORRENT® 24MM ELLIPSE A

1707

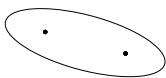
1200x2300-4000x57mm



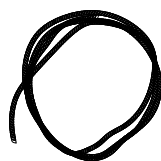
PARTS



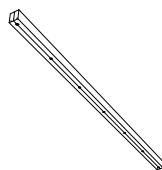
4x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



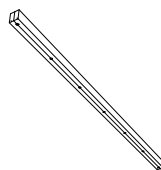
4x
EchoBoard® 24mm
+ Pot magnets



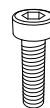
1x
Rope
Ø6mm



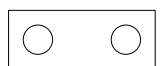
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

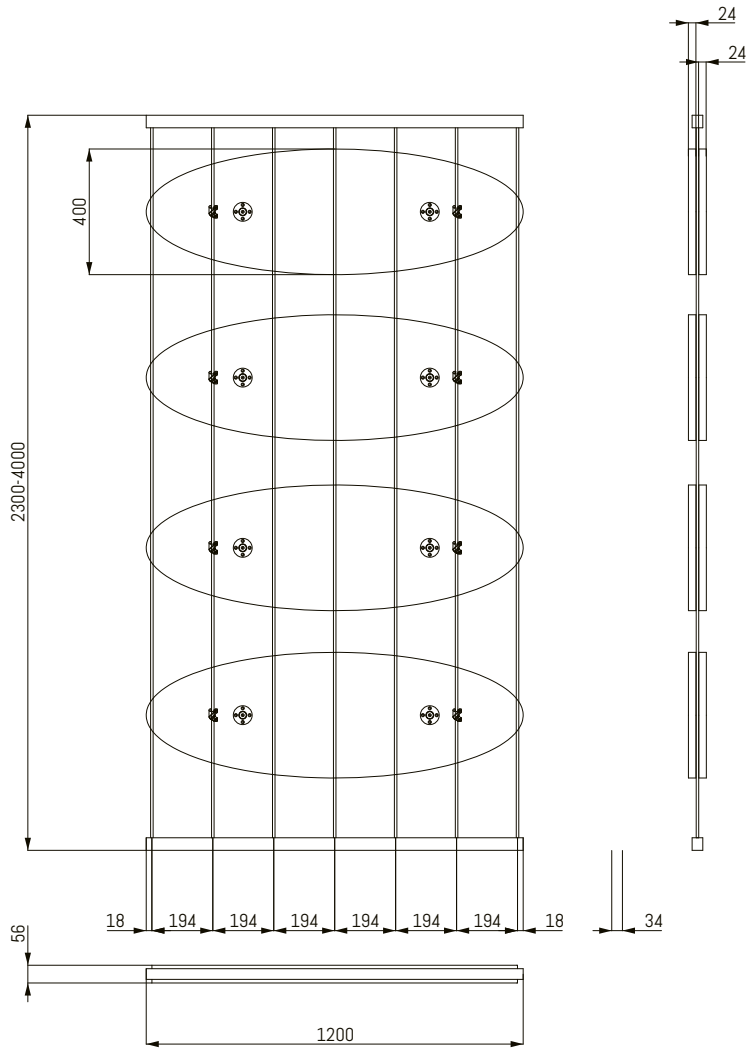
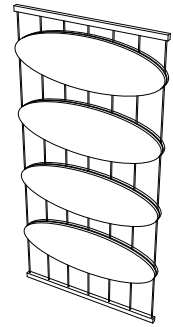
DIMENSIONS & PARTS



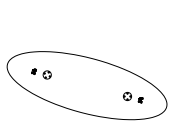
ECHOTORRENT® 24MM ELLIPSE B

1708

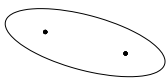
1200x2300-4000x57mm



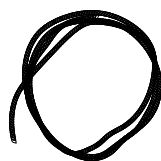
PARTS



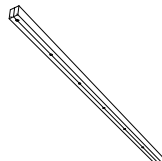
4x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



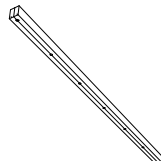
4x
EchoBoard® 24mm
+ Pot magnets



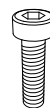
1x
Rope
Ø6mm



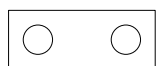
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

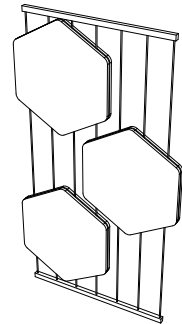
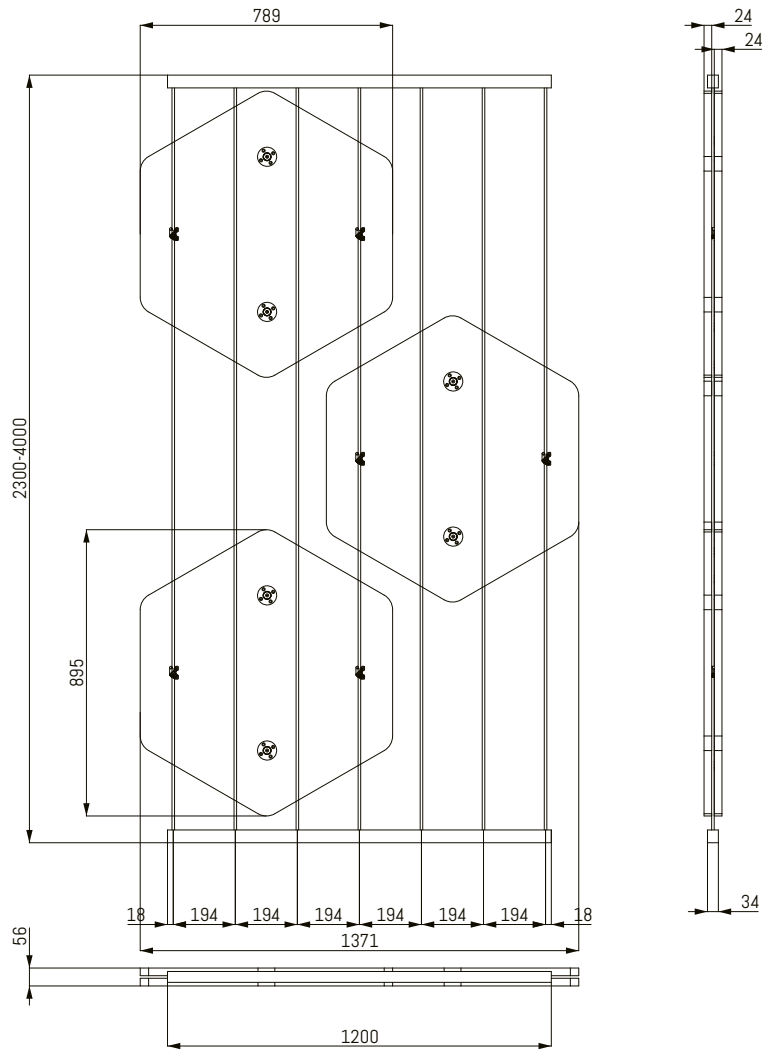
DIMENSIONS & PARTS



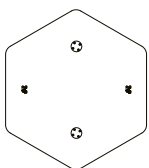
ECHOTORRENT® 24MM HEXAGON A

1709

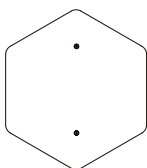
1200x2300-4000x57mm



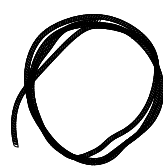
PARTS



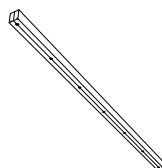
3x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



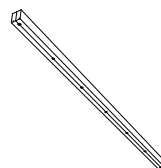
3x
EchoBoard® 24mm
+ Pot magnets



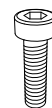
1x
Rope
Ø6mm



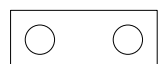
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20

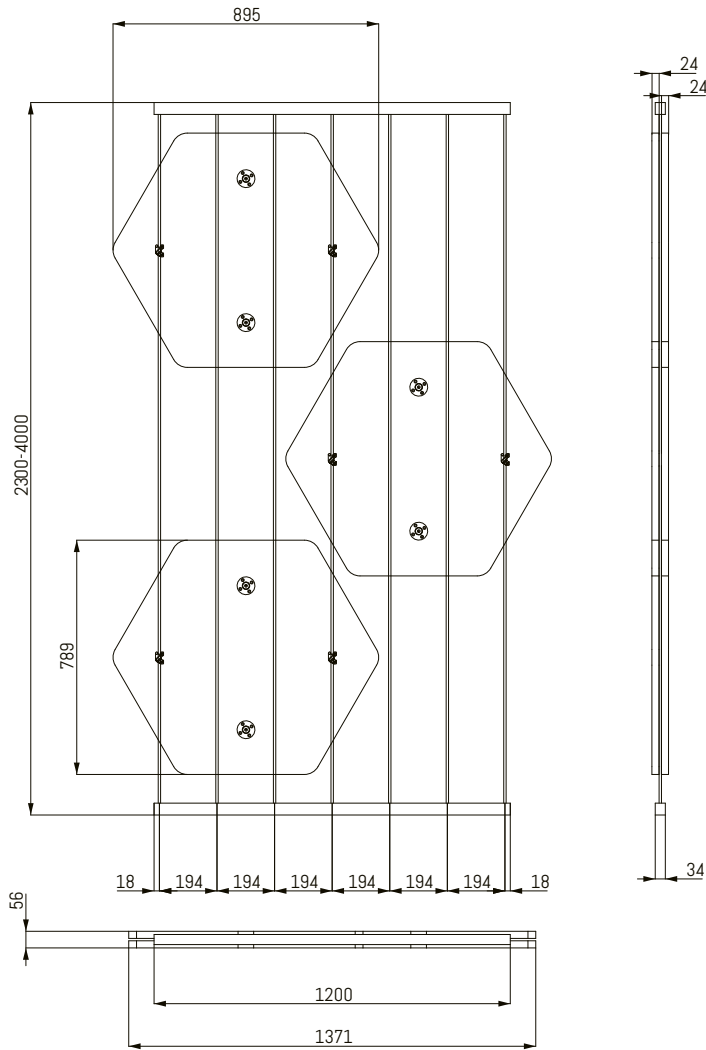
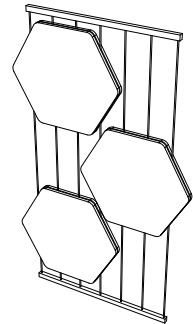


1x
Rope locking plate
60x20x6mm

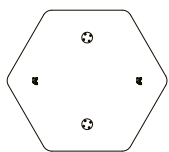
DIMENSIONS & PARTS



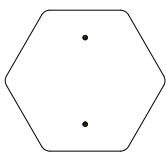
ECHOTORRENT® 24MM HEXAGON B
1710
1200x2300-4000x57mm



PARTS



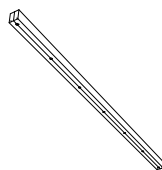
3x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



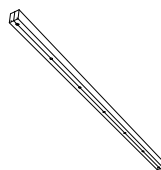
3x
EchoBoard® 24mm
+ Pot magnets



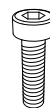
1x
Rope
Ø6mm



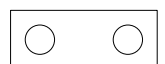
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm

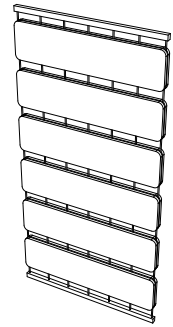
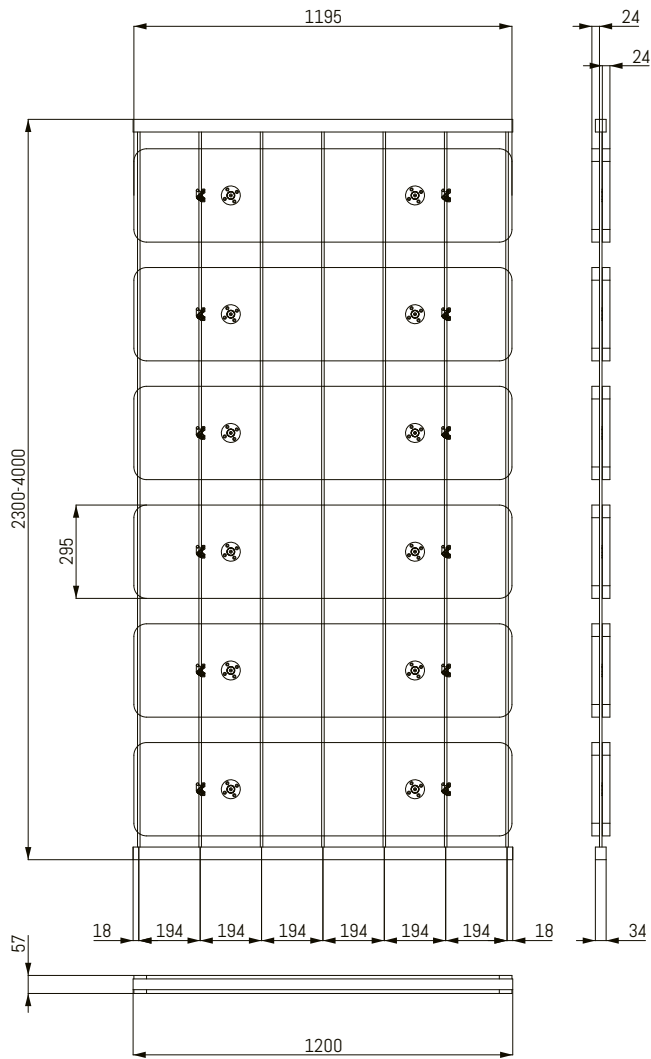


2x
Screw frame
Hexagon socket M8x20



1x
Rope locking plate
60x20x6mm

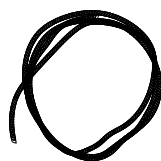
1200x2300-4000x57mm



$$k \oplus k$$



6x
EchoBoard® 24mm
+ Pot magnets



1x
Rope locking plate
60x20x6mm

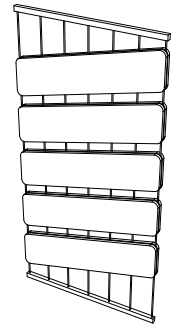
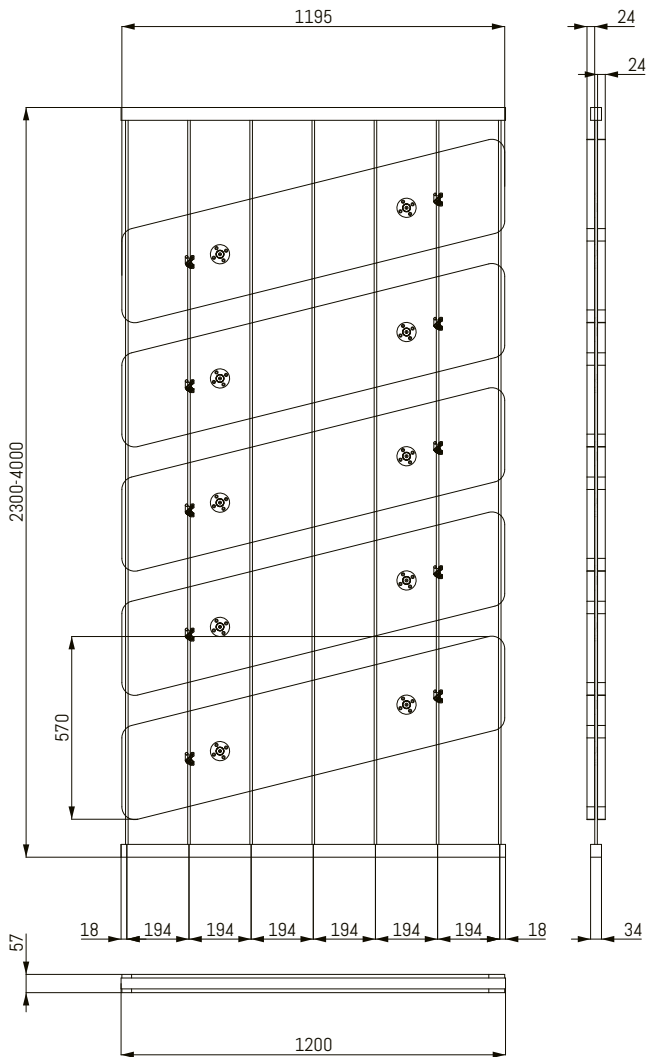
DIMENSIONS & PARTS



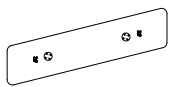
ECHOTORRENT® 24MM TILT

1712

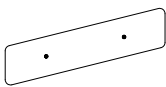
1200x2300-4000x57mm



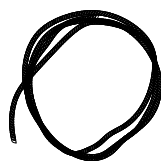
PARTS



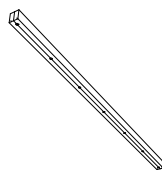
5x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



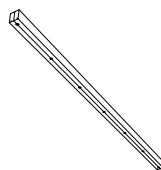
5x
EchoBoard® 24mm
+ Pot magnets



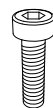
1x
Rope
Ø6mm



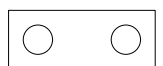
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20

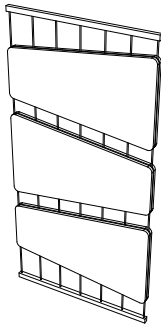
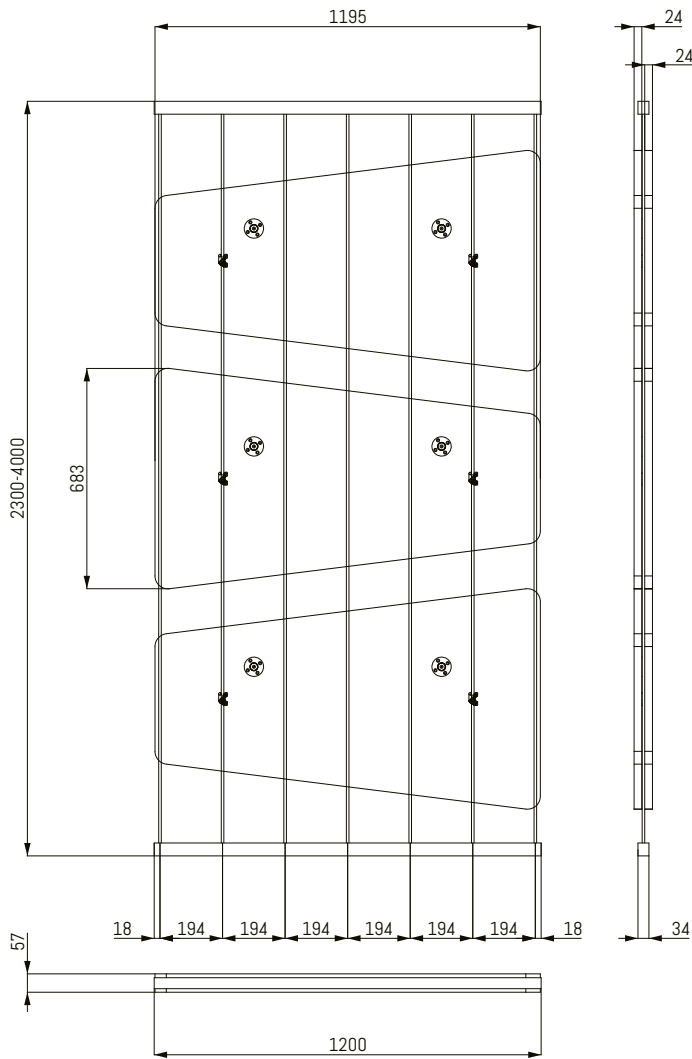


1x
Rope locking plate
60x20x6mm

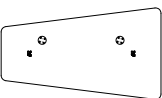
DIMENSIONS & PARTS



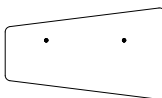
ECHOTORRENT® 24MM TAPER
1713
1200x2300-4000x57mm



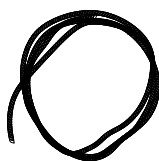
PARTS



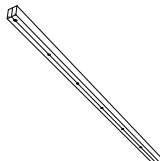
3x
EchoBoard® 24mm
+ Rope clamps
+ Metal plates



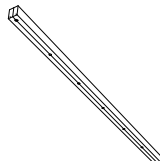
3x
EchoBoard® 24mm
+ Pot magnets



1x
Rope
Ø6mm



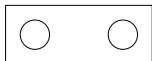
1x
Top mounting rail
1200x40x34mm



1x
Bottom mounting rail
1200x40x34mm



2x
Screw frame
Hexagon socket M8x20



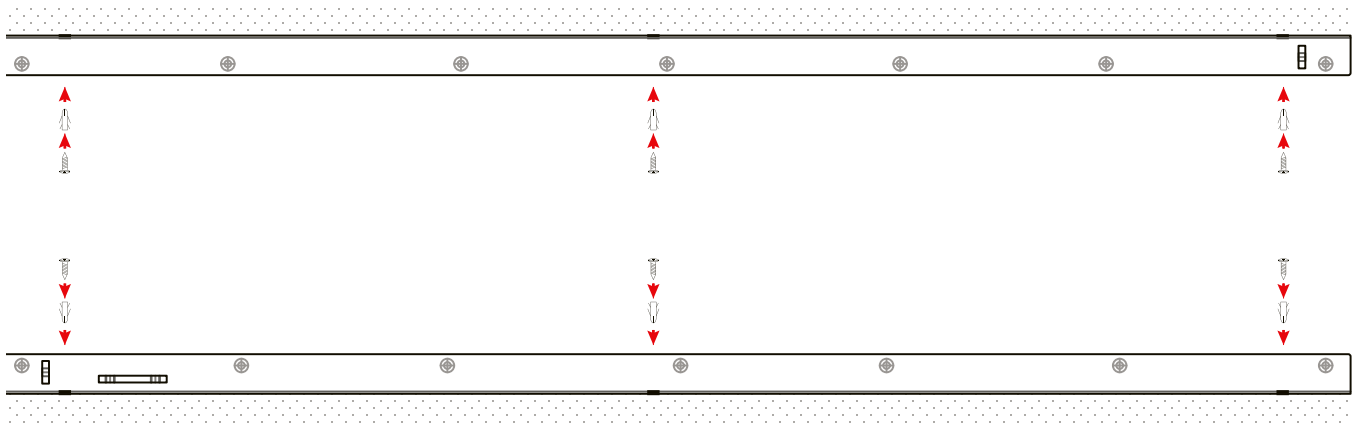
1x
Rope locking plate
60x20x6mm

INSTALLATION



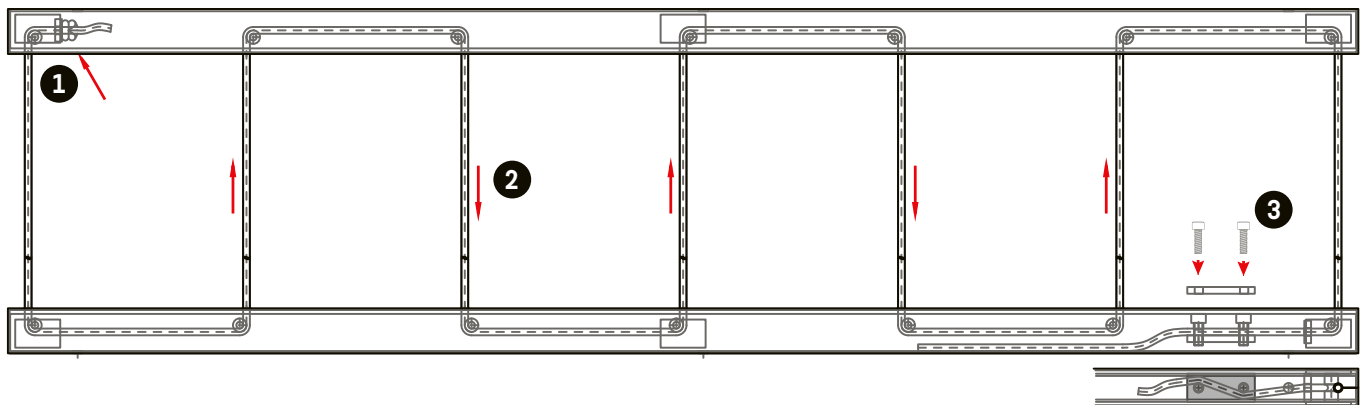
A: INSTALLING UPPER AND LOWER MOUNTING RAIL

In the first step, the upper and lower mounting rails are fixed to the ceiling and floor with screws and dowels.



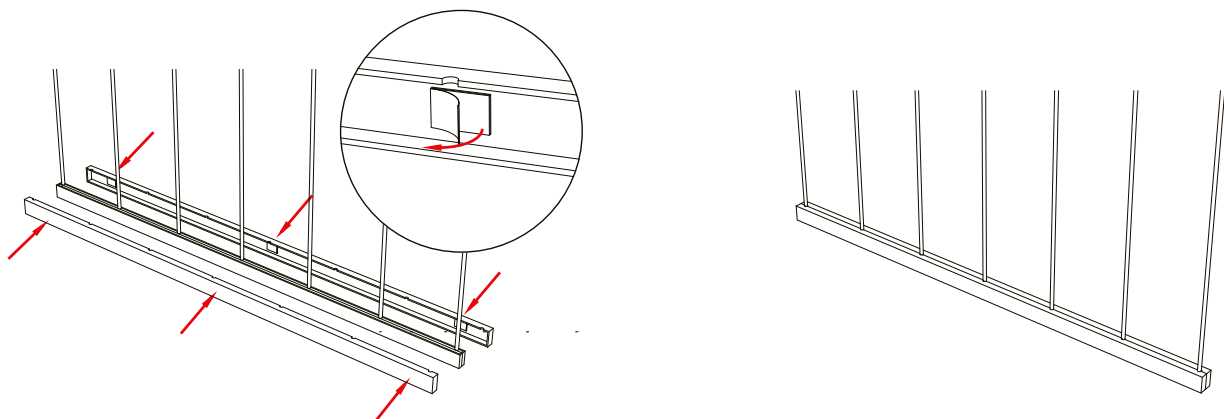
B: ROPE KNOTTING, LANES AND TENSIONING

First of all thread the rope with a knot on the upper mounting rail. Then wind the rope back and forth between both mounting rails. Finally, tension and secure the rope to the lower mounting rail with two cylinder head screws.

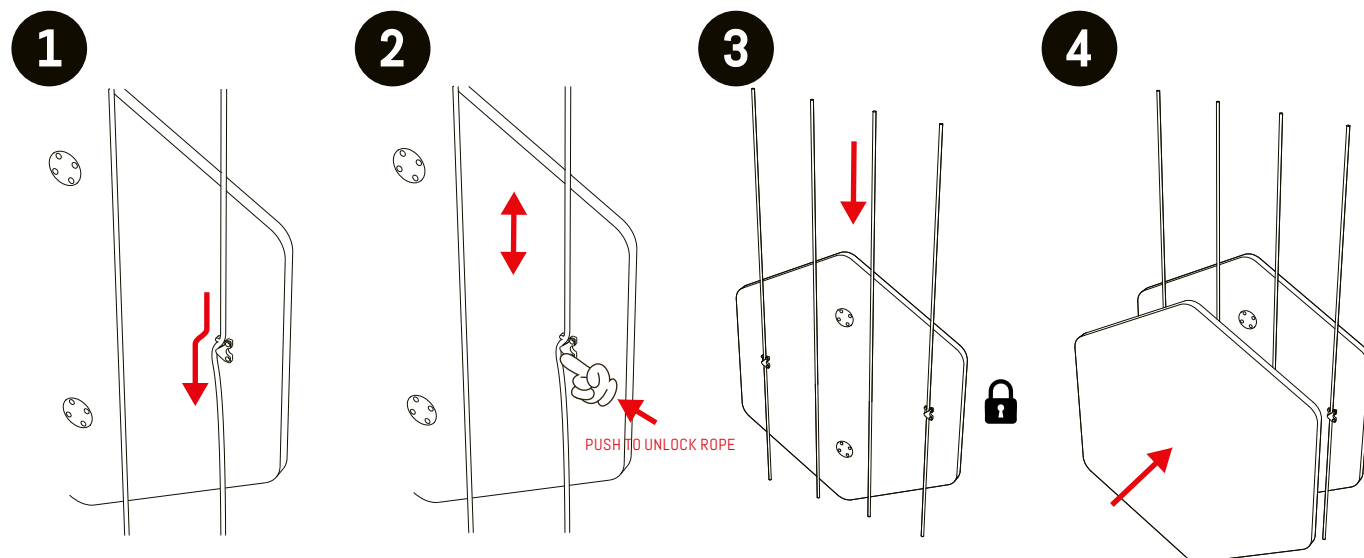


C: INSTALLING COVER FOR MOUNTING RAILS

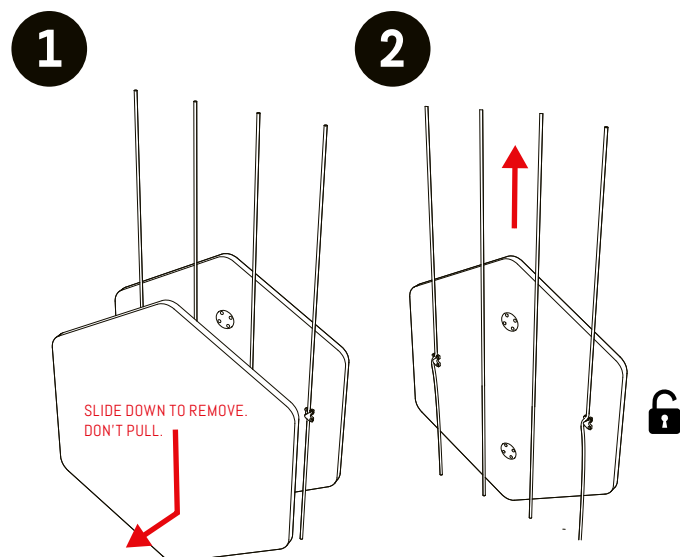
Remove protective layer from hook-and-loop fasteners which are already attached to mounting rail covers. Next, close and press mounting rail covers from both sides. Wait 24h before reopening covers for glue to let maximum adhesion develop.



D: SUSPENDING ACOUSTIC ABSORBERS



E: REMOVING ACOUSTIC ABSORBERS



SURFACE DISINFECTION

Spray disinfectants can be used for rapid surface disinfection.



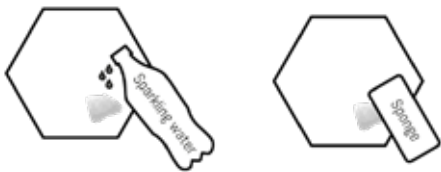
DUSTER/VACUUM CLEANER

For dusting use duster or vacuum cleaner.



SPARKLING WATER

For slight contamination apply sparkling water to polluted area. Wipe carefully with a sponge.



UPHOLSTERY CLEANER

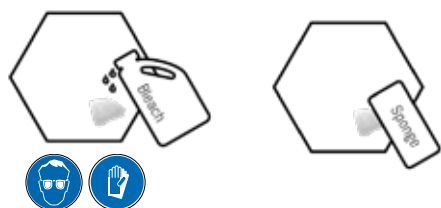
For medium contamination apply upholstery cleaner to polluted area. Wipe carefully with a sponge.



BLEACH

For heavy contamination apply bleach as chlorine or hydrogen peroxide on polluted area. Wipe carefully with a sponge and sparkling water.

Use of protection gloves and glasses is mandatory!



Please make first a cleaning attempt on an inconspicuous spot. Follow the instructions of the cleaning agents.