

XTREME SOLUTIONS

be anything.

EN



beTruss

Patented design

b310, beMatrix DNA

Structure

The body

The skin

The add-ons

Target load tables

b310 square, direction 1

b310 square, direction 2

b310 frame

Inspiration

Double Deck

A modular floor

Double Deck, beMatrix DNA

Structure

The body

The skin

The stairs

The add-ons

Finish

Double Deck set

Configurations

Inspiration

The 8 beMatrix principles

bePartners at your service

Global Rental Network: short- and long-term

6

6

8

8

10

12

14

14

16

18

20

24

24

26

26

28

30

34

36

38

39

40

42

44

46



The world of stand building never ceases to evolve. Stands become increasingly large in size, more conspicuous, with influences from the AV sector demanding more bearing capacity of the actual structures.

Since beMatrix closely monitors trends in the industry, we offer another great solution: the Xtreme solutions. The sky is the limit, literally. Towering stands, large spans, ... it's all possible now!



OT

boetruss

Patented design

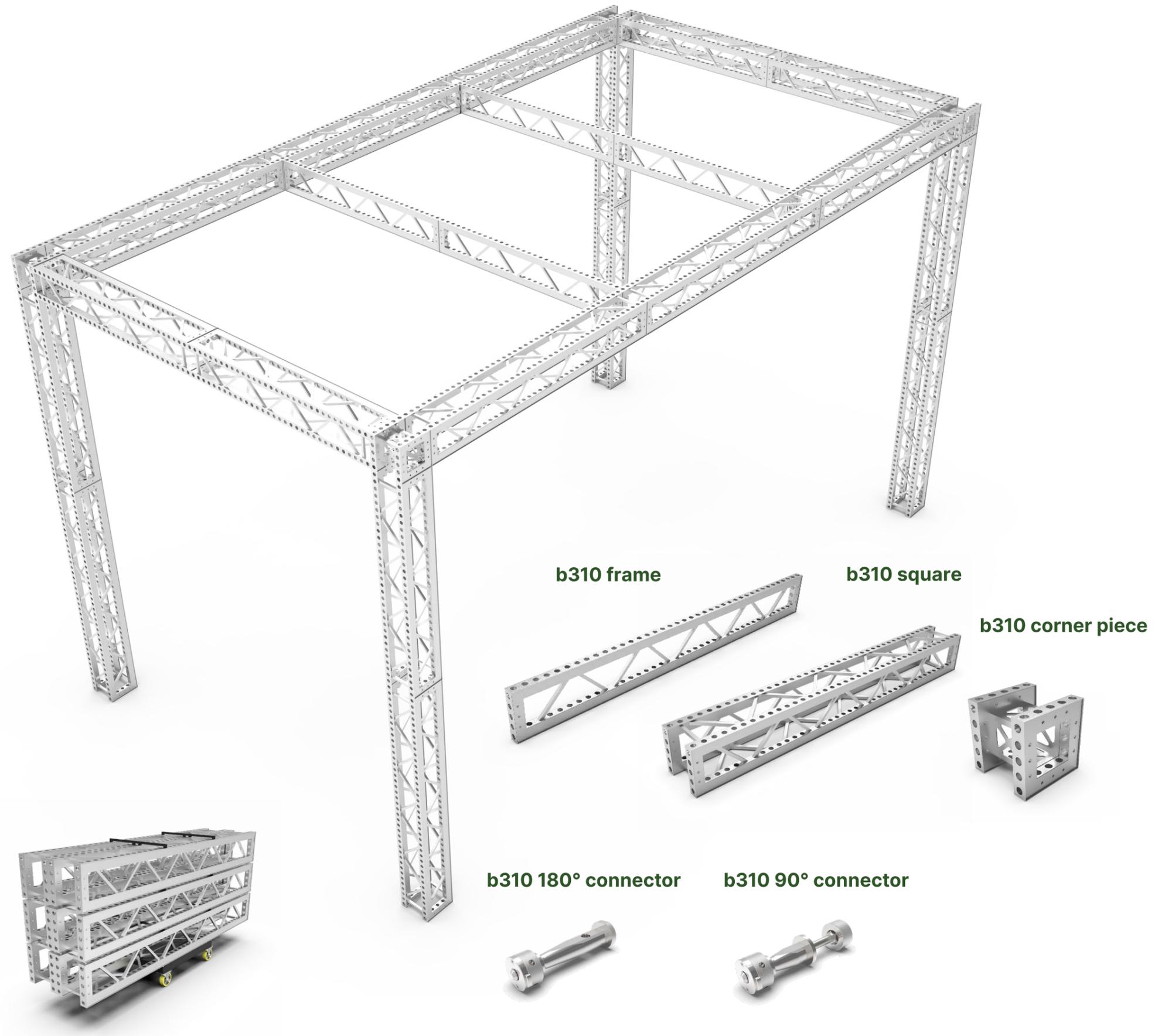
b310, beMatrix DNA

beTruss allows you to build **stands of any size**, no matter how big, with one single (stand construction) system. No more breaking a sweat over mounting points! From now on, you can erect your load bearing stand with ease, in no time at all.

Identical to the b62 frame system, all dimensions are based on 62 × 62 mm, so **perfectly usable with existing frames** thanks to the especially designed load bearing connector.

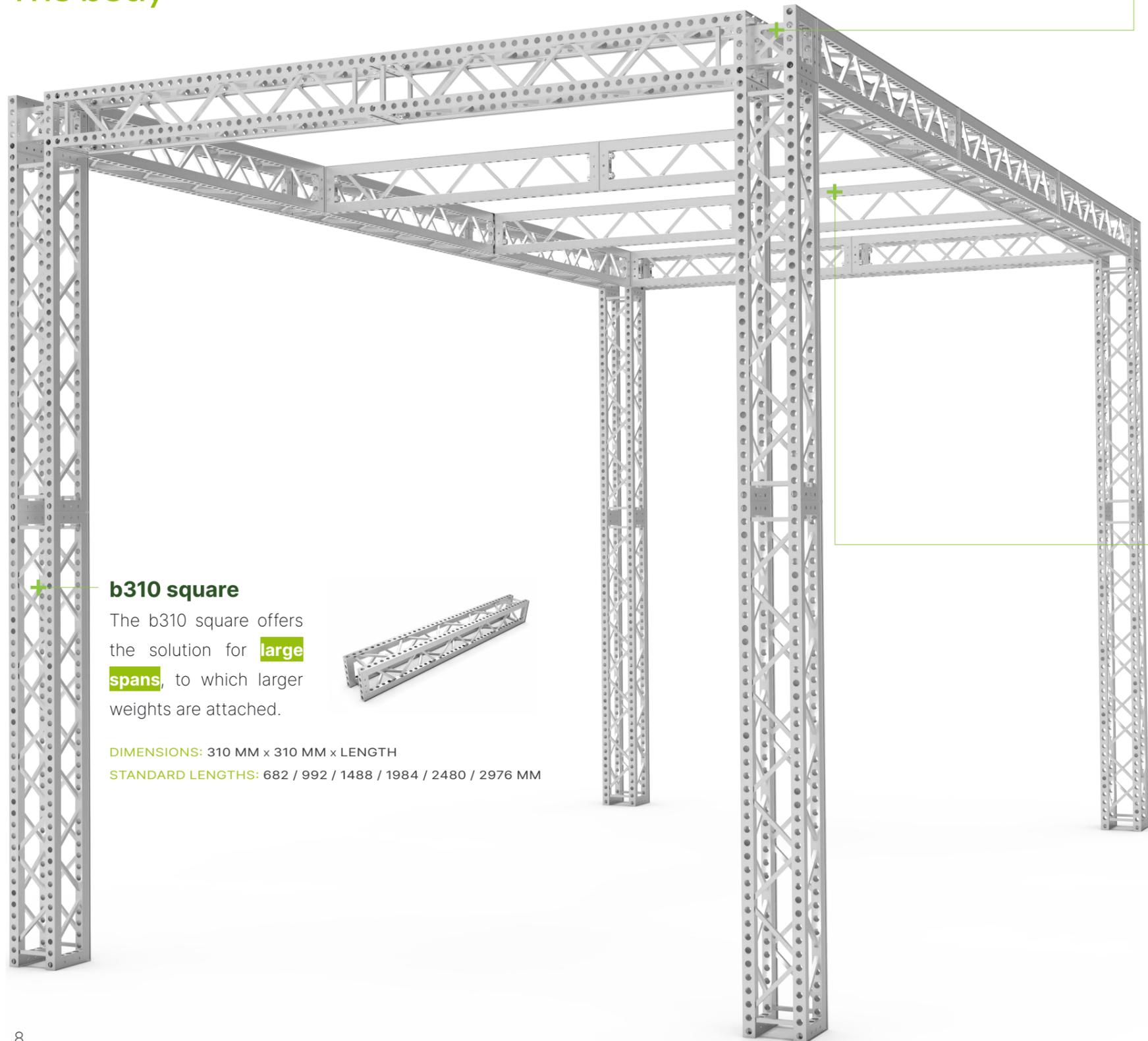
beTruss has the same modular beMatrix DNA and therefore all its benefits:

- 62 mm dimensions and D30 holes, enabling a perfect integration with the existing beMatrix range (frames, LEDskin®, lightboxes, etc).
- Both panels and textile can be attached to the b310 range, allowing the entire stand to get the same finish.
- Your stand design will be ready in no time. All necessary components are waiting for you in the beMatrix library, ready to start.
- But most of all: the built-up will be fast and simple, since you will only need one system to set up the entire structure.



Structure

The body



+ b310 square

The b310 square offers the solution for **large spans**, to which larger weights are attached.



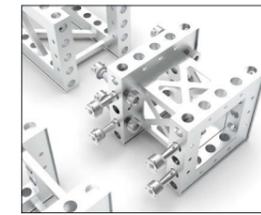
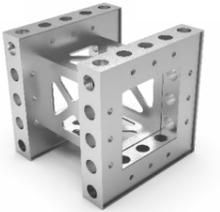
DIMENSIONS: 310 MM x 310 MM x LENGTH

STANDARD LENGTHS: 682 / 992 / 1488 / 1984 / 2480 / 2976 MM

b310 corner piece

Corners and cross connections are made using the b310 corner piece. The connection of the corner piece is done by means of two **toolless connectors** for large or small holes.

DIMENSIONS: 310 MM x 310 MM x 310 MM



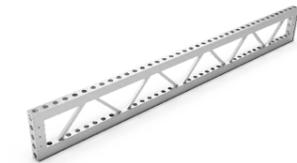
b310
180° connector



b310
90° connector

b310 frame

The b310 frame is designed to provide the necessary bearing capacity to the structure, within the same 62 x 62 mm dimensions, where the strength of the b62 frame is insufficient.



DIMENSIONS: 62 MM x 310 MM x LENGTH

STANDARD LENGTHS: 682 / 992 / 1488 / 1984 / 2480 / 2976 MM

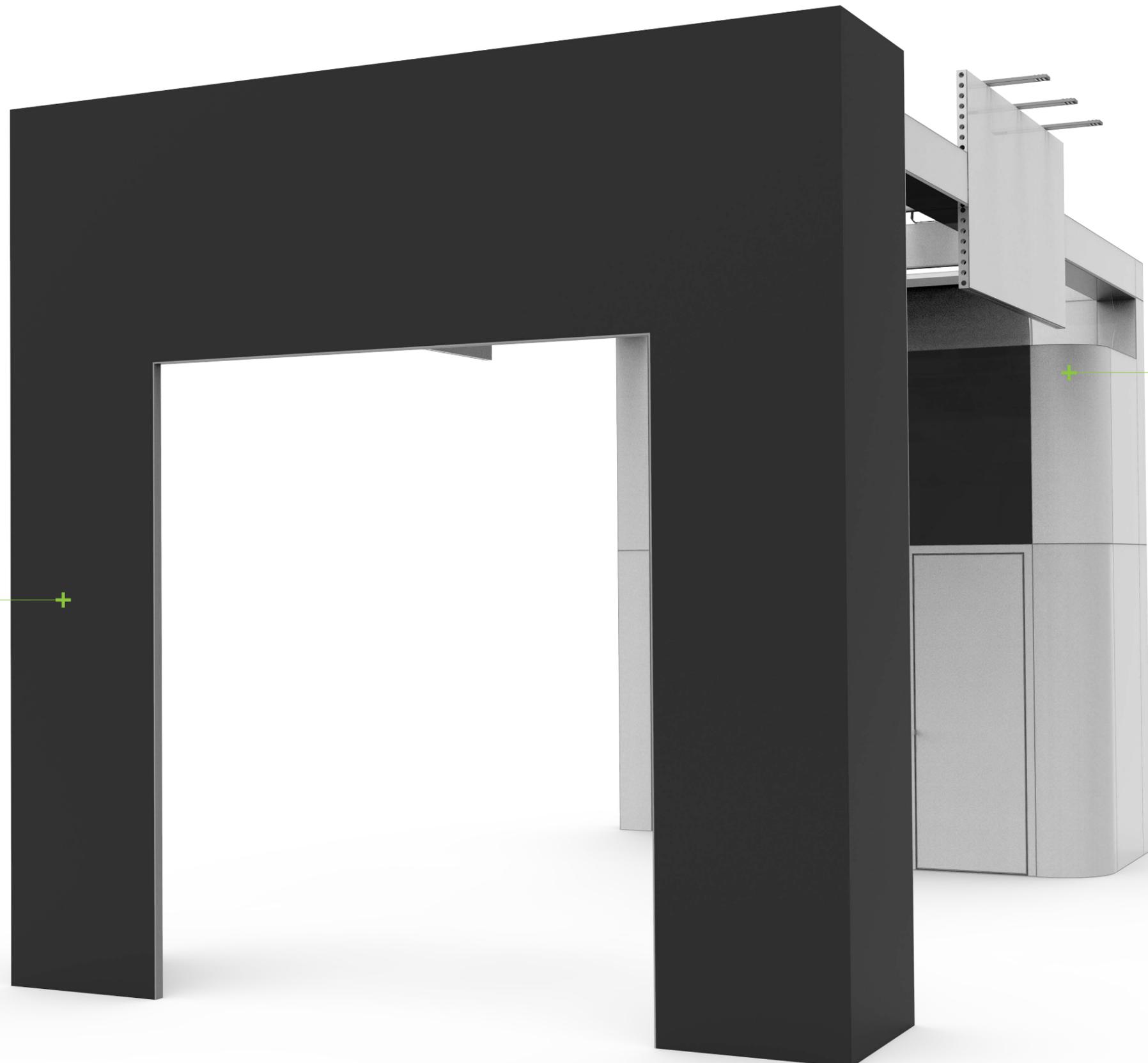


b310 180° connector with
automatic locking system

The skin

LEDskin®

beTruss is compatible with the full beMatrix range. It is therefore no surprise that LEDskin® can perfectly be integrated to the structure.



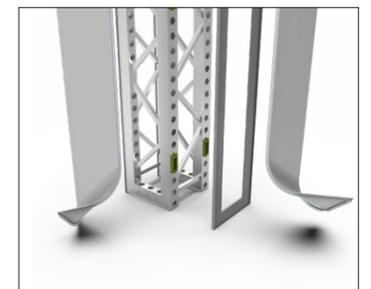
Panel

The b310 range can be finished with an aluminium sandwich panel or a PVC panel, with or without print.



Seamless textile

For a seamless result, you can cover the sides with textile.



The b310 square & b310 corner piece can be fully finished with panels and textile by using the perfect cover on 2 of the 4 sides.



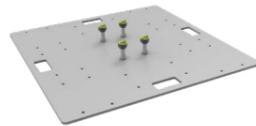
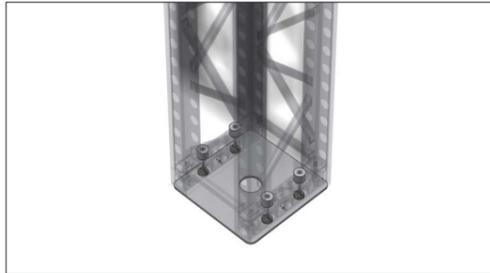
The add-ons

Baseplate

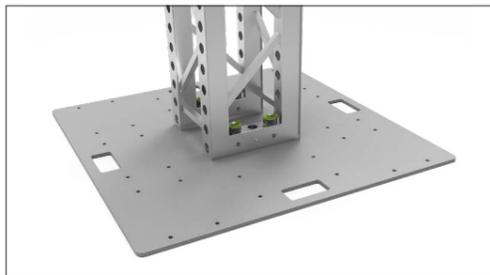
Baseplates are available to add additional stability to the structure.



901 28 0706



901 28 0707

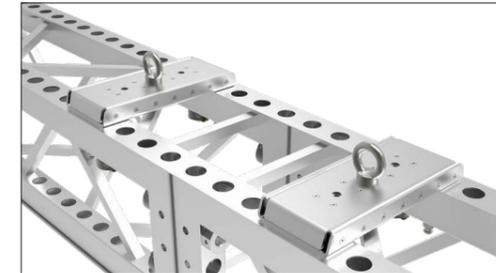


Hanging bracket

Suspension tool to hang the b310 square if necessary.

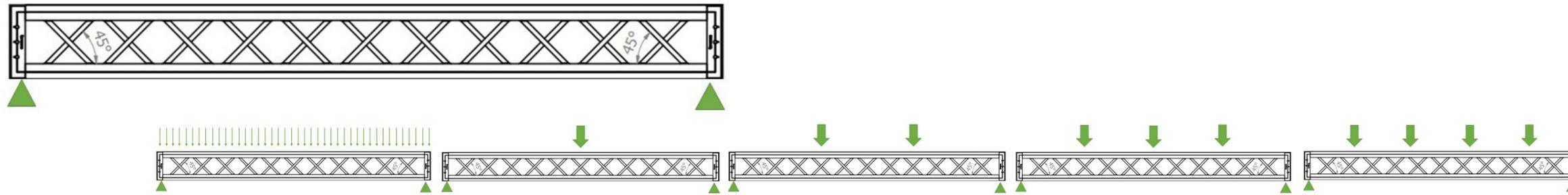


901 28 0704



Target load tables

b310 square, direction 1



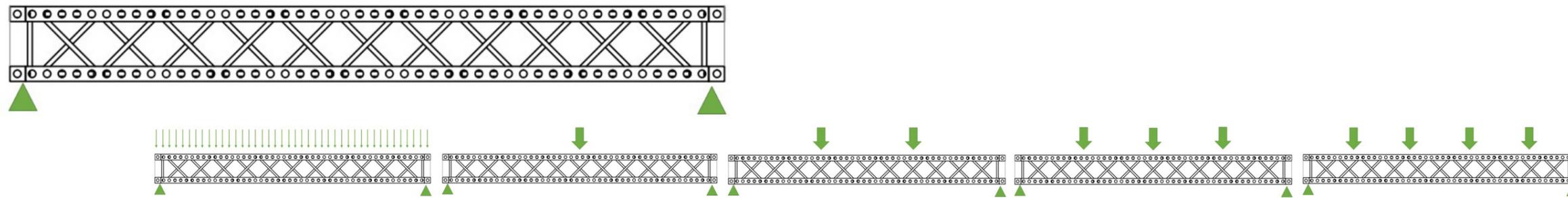
SPAN (m)	UDL (kg/m)	Deflection (mm)	CPL (kg)	Deflection (mm)	TPL (kg)	Deflection (mm)	QPL (kg)	Deflection (mm)	FPL (kg)	Deflection (mm)
3	472.9	3.0	913.5	3.6	663.2	3.9	472.9	4.1	354.6	3.8
4	352.8	8.3	802.7	7.6	551.3	8.2	424.8	8.6	352.8	8.9
5	280.9	13.5	701.4	11.6	466.1	12.5	353.3	13.1	306.6	14.0
6	213.2	18.8	609.3	15.6	401.5	16.8	300.6	17.6	261.4	19.2
7	153.5	25.8	526.7	21.4	352.0	24.3	259.6	24.8	223.6	26.5
8	115.5	32.8	453.5	27.18	313.3	31.9	226.5	31.91	192.4	33.8
9	89.9	39.7	389.6	33	281.8	39.4	199.2	39.05	166.7	41.1
10	71.8	50.5	335.2	40.65	254.7	50.4	176.1	48.8	145.9	51.2
11	58.5	61.2	290.1	48.3	230.5	61.5	156.3	58.5	129.0	61.3
12	48.7	71.9	254.4	56.0	207.9	72.5	139.4	68.3	115.2	71.5
13	41.0	86.9	228.1	69.1	187.2	86.5	125.4	83.9	103.7	84.5
14	35.0	101.8	211.2	82.2	169.2	100.4	115.2	99.6	93.5	97.5
15	30.3	116.8	203.7	95.4	155.6	114.4	112.5	115.2	83.9	110.5

Excluding frequent Use factor (0.85)

UDL: Uniform distributed load / CPL: Center point load / TPL: Tripple point load / QPL: Quarter point load / FPL: Fifthpoint load

- Loading table only valid for static loads
- Loading table only valid for single spans with support at both ends.
- The self weight of the truss is already taken into account
- Loading table are calculated according and in compliance with to European standard (Eurocode EN1990)
- Loading table excluding frequent use factor
- Truss spans can be assembled from different truss lengths
- Loading table & defections are based on good assembled and aligned connectors
- All static stsytems other than single spans need an individual structural calculation. Please contact a structural engineer or beMatrix for assistance.

b310 square, direction 2



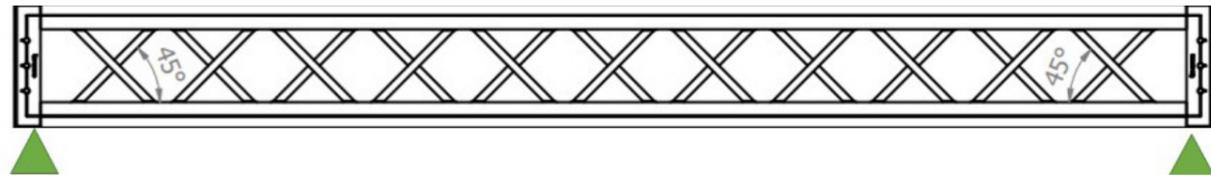
SPAN (m)	UDL (kg/m)	Deflection (mm)	CPL (kg)	Deflection (mm)	TPL (kg)	Deflection (mm)	QPL (kg)	Deflection (mm)	FPL (kg)	Deflection (mm)
3	284.1	2.2	845.7	3.9	381.0	2.7	301.2	3.1	228.7	2.9
4	224.6	6.0	645.5	6.4	342.9	6.0	266.7	6.6	205.8	6.7
5	177.6	9.7	499.4	8.8	307.4	9.3	235.0	10.1	184.1	10.4
6	140.4	13.5	395.0	11.3	274.4	12.6	205.9	13.6	163.8	14.1
7	111.0	20.1	321.8	15.3	244.1	18.5	179.6	19.3	145.1	20.2
8	87.7	26.8	270.5956	19.3	216.3	24.47	156.2	25.0	127.9553	26.3
9	69.4	33.4	233.981	23.2	191.0	30.4	135.4	30.7	112.3892	32.4
10	54.8	41.1	206.4	29.9	168.4	38.8	117.4	39.1	98.4	41.3
11	43.4	48.7	183.6	36.7	148.3	47.2	102.1	47.5	85.9	50.3
12	34.3	56.4	163.1	43.4	130.9	55.6	89.6	55.9	75.0	59.2
13	27.1	63.9	144.2	52.7	115.9	67.3	79.9	68.7	65.6	70.9
14	21.4	71.5	127.7	62.1	103.7	78.9	72.9	81.5	57.9	82.6
15	16.9	79.1	116.0	71.4	93.9	90.6	68.7	94.2	51.6	94.3

Excluding frequent Use factor (0.85)

UDL: Uniform distributed load / CPL: Center point load / TPL: Tripple point load / QPL: Quarter point load / FPL: Fifthpoint load

- Loading table only valid for static loads
- Loading table only valid for single spans with support at both ends.
- The self weight of the truss is already taken into account
- Loading table are calculated according and in compliance with to European standard (Eurocode EN1990)
- Loading table excluding frequent use factor
- Truss spans can be assembled from different truss lengths
- Loading table & defections are based on good assembled and aligned connectors
- All static stsytems other than single spans need an individual structural calculation. Please contact a structural engineer or beMatrix for assistance.

b310 frame

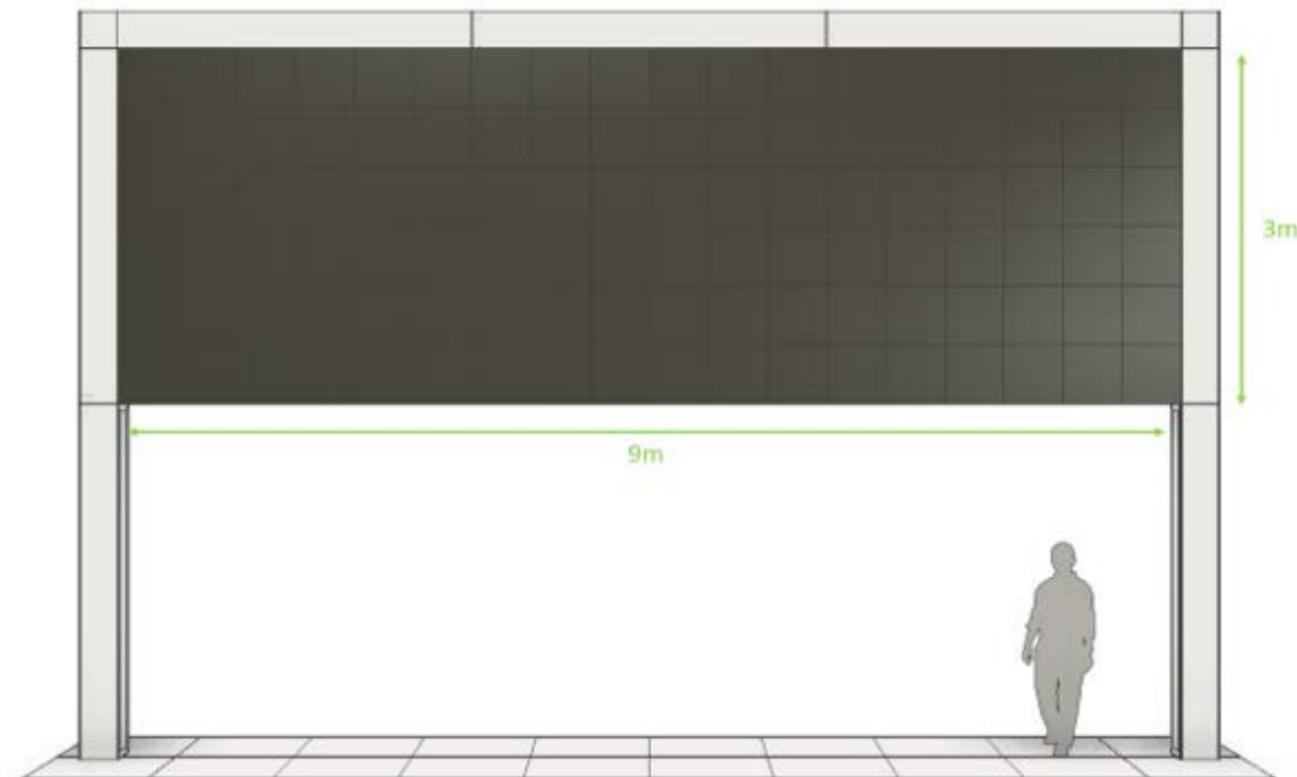


span (m)	UDL (kg/m)	deflection (mm)	cpl (kg)	deflection (mm)
1	716.7	0.5	716.7	1.0
2	356.8	1.2	453.7	1.5
3	138.3	1.8	245.8	1.9
4	70.5	2.9	159.2	2.9
5	41.7	4.1	113.6	3.8
6	27.2	5.2	86.2	4.8
7	19.0	7.2	68.3	6.4
8	13.9	9.2	55.8	8.1
9	10.5	11.2	46.7	9.8
10	8.2	14.8	39.8	12.9
11	6.6	18.4	34.6	15.9
12	5.4	22.0	30.3	19.0

Example

The result is that there is less deflection thanks to the use of beTruss.

An example: 9 M Span with max UDL = 5 MM



Excluding frequent Use factor (0.85)

UDL: Uniform distributed load / CPL: Center point load

- Loading table only valid for static loads
- Loading table only valid for single spans with support at both ends.
- The self weight of the truss is already taken into account
- Loading table are calculated according and in compliance with to European standard (Eurocode EN1990)
- Loading table excluding frequent use factor
- Truss spans can be assembled from different truss lengths
- Loading table & defelections are based on good assembled and aligned connectors
- All static stsytems other than single spans need an individual structural calculation. Please contact a structural engineer or beMatrix for assistance.

Inspiration





AGENCE
LA SPHERE
solutions de designs
éco-responsables

AGENCE
LA SPHERE
solutions de designs
éco-responsables

1^{ère} mezzanine
éco-responsable
ULTRA
PERSONNALISABLE

AGENCE
LA SPHERE
solutions de designs
éco-responsables

concep
fabricat
installat
gestion



MANAGEMENT D'ÉQUIPES
CONSEILS EN STRATÉGIE
PROJET
RECRUTEMENT
FORMATION
ET POUR VOUS
OU PARTIR ?

OD BY
A BECKER

O2

Double Deck

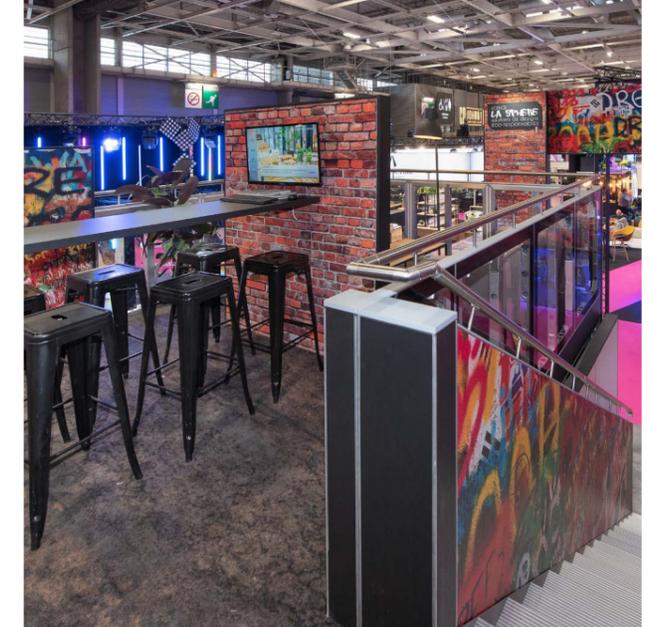
A modular floor

Double Deck, beMatrix DNA

A second floor really allows you to get everything out of your stand's surface. beMatrix' double deck system doesn't only **increase the number of square footage**, but is also wholly **compatible with existing product ranges** (frames, LEDskin®, lightboxes, etc.), easy to integrate and to finish with the beMatrix frame system. That way, the structure and look and feel of your stand totally come together! beMatrix provides all the support you need to set up your stand.

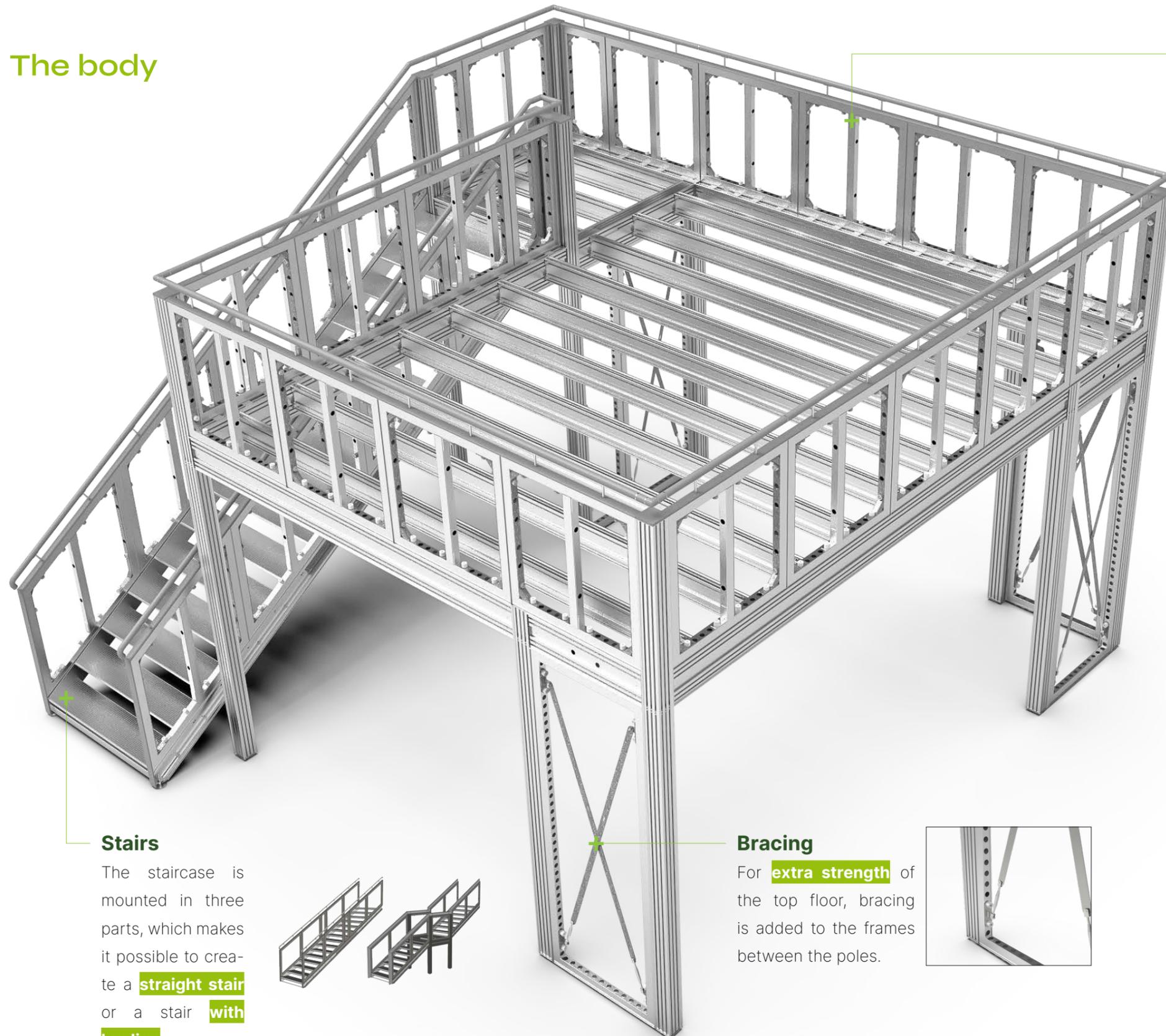
The Double Deck structure can be finished with both **panels and textile**, allowing the entire stand to get the same finish.

Stability, safety as well as perfect aesthetic integration are equally important. We will make sure your stand's look is impeccable and compliant with all rules and regulations.



Structure

The body



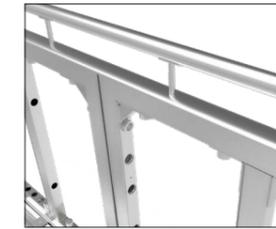
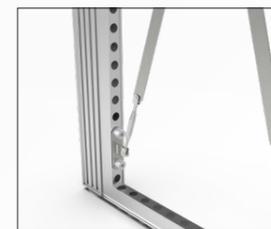
Stairs

The staircase is mounted in three parts, which makes it possible to create a **straight stair** or a stair **with landing**.



Bracing

For **extra strength** of the top floor, bracing is added to the frames between the poles.



Railing

Standard b62 frames are used as railing. Reinforcement brackets are mounted in every corner of the frames for support. A **rounded cover** and **stainless steel** handrail are added on top of the frames.

Optional:

We offer a **glass railing solution** (excl. the glass itself) to spice up your Double Deck. This railing consists of a U-profile that you attach with connectors. The glass can be put onto the U-profile.



Structure

A Double Deck is created with **primary & secondary beams and poles**. They can easily be connected as it is based on a coupling system avoiding the time consuming fastening of bolts and nuts.

PRIMARY BEAM

SECONDARY BEAM

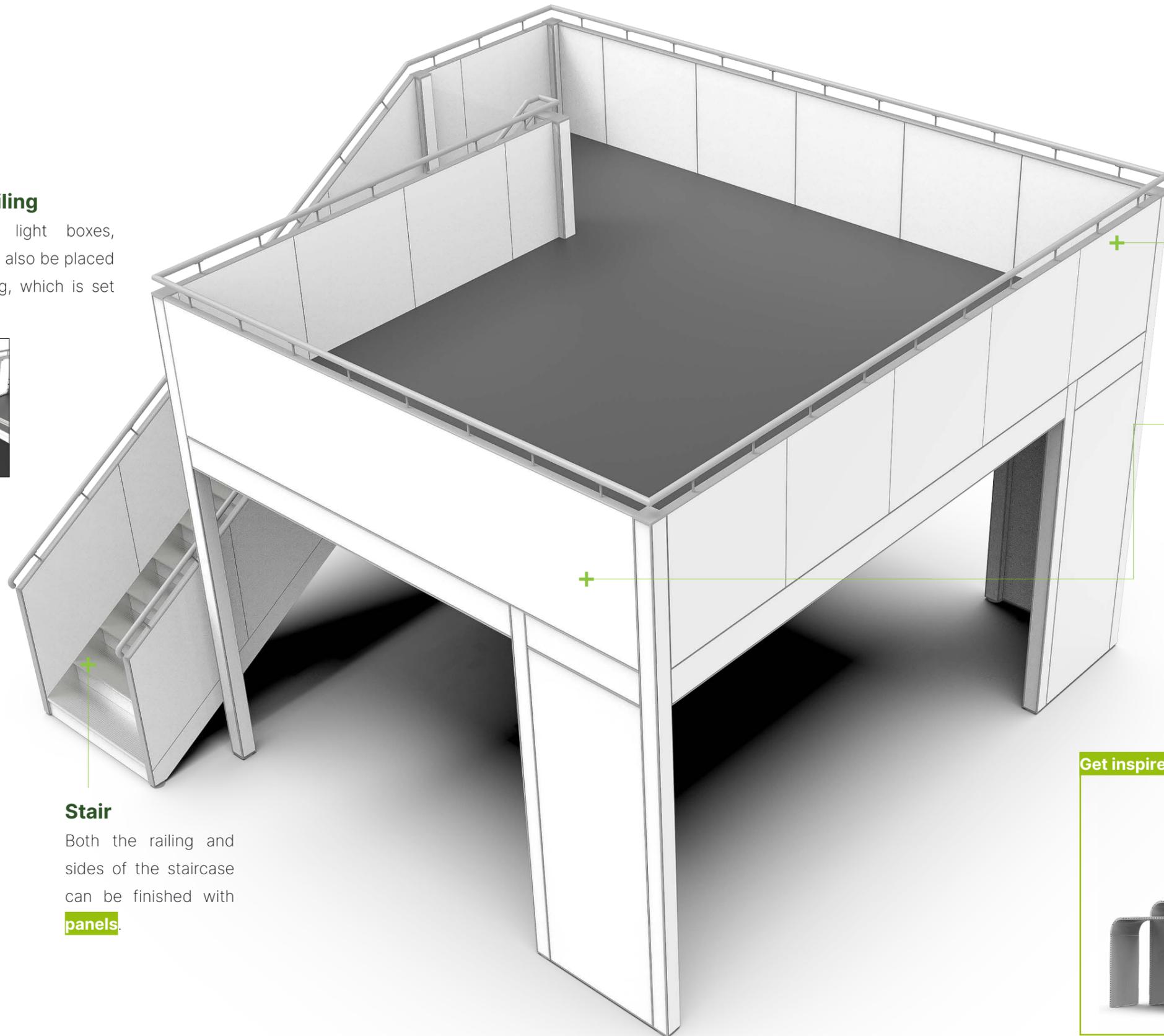
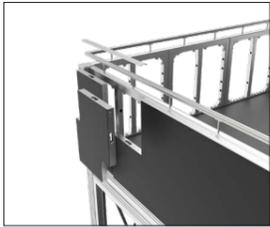
POLE



The skin

Finishing the railing

LEDskin® cabinets, light boxes, higher frames, ... can also be placed in front of the railing, which is set back slightly for this.

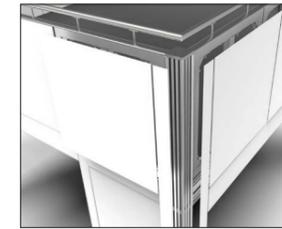


Stair

Both the railing and sides of the staircase can be finished with **panels**.

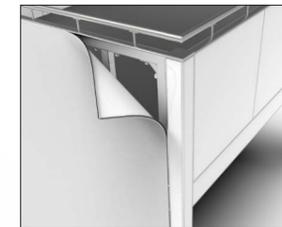
Panel

The Double Deck structure can be finished with aluminium sandwich panels or PVC panels, with or without print.



Seamless textile

Textiles can be used for a **seamless** result.

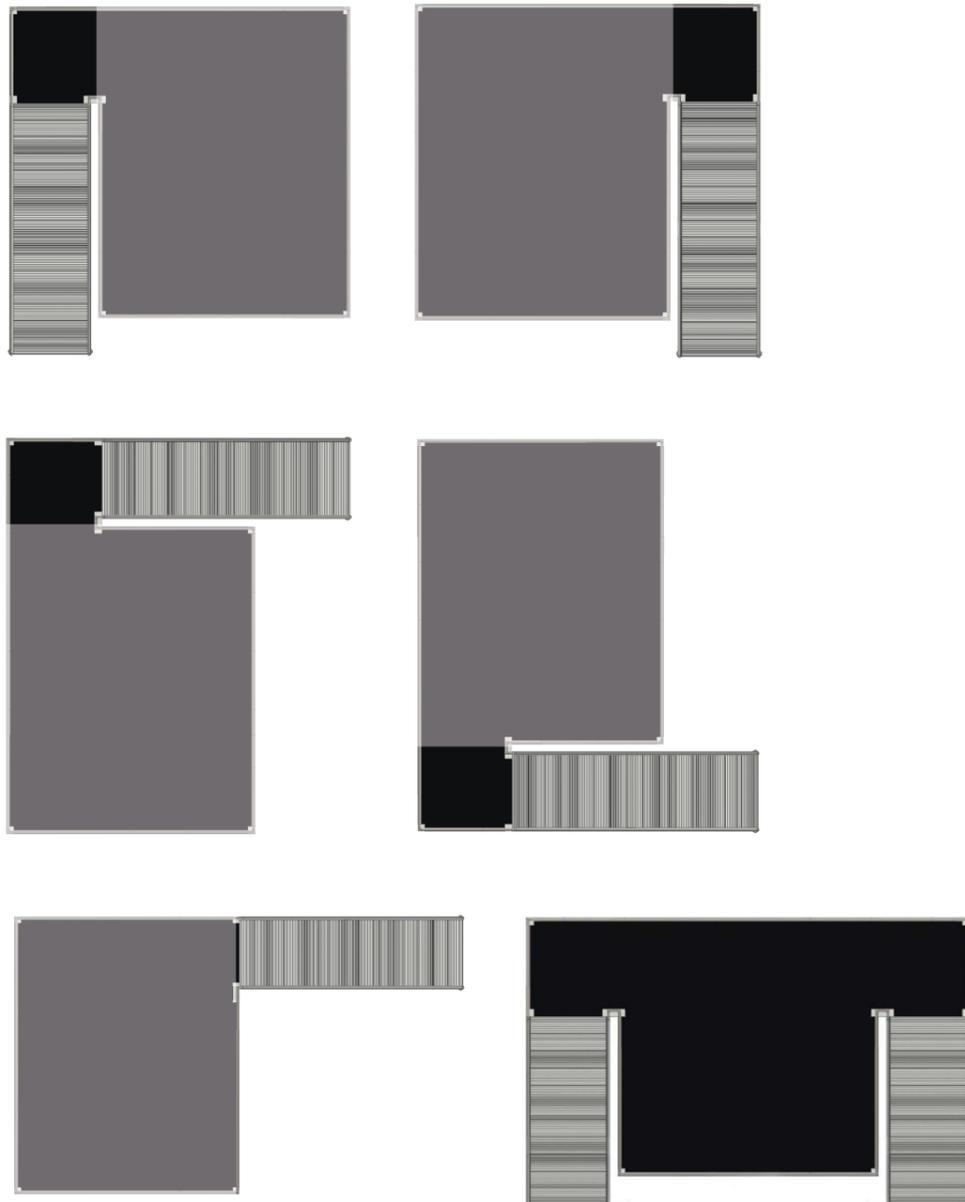


Get inspired!



The stairs

The stairs can be placed on every corner of your floor. Below you will find a visual representation of the various options.



Landing platform

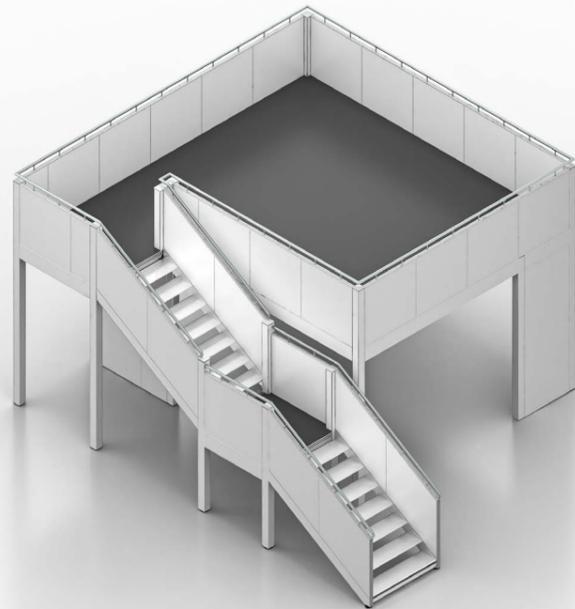
XXX



Cover bottom of the stairs

This can be purchased as a set of custom-made b62 frames and parts to close the bottom of the stairs of the Double Deck.





The add-ons

Optional to the Double Deck, we offer two possibilities to transport the profiles with ease:

Steel trolley

This complete steel trolley can be used to stack the beams and poles. The staircase cannot be put on the trolley. We recommend to transport this on a pallet.



DOUBLE DECK TROLLEY
990 60 37



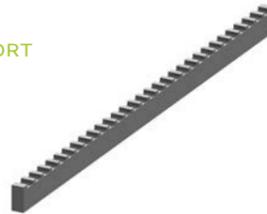
Profile separator & bottom support

If you want to build your own case for transportation; you can do so with these products.

PROFILE SEPARATOR
990 60 37 01

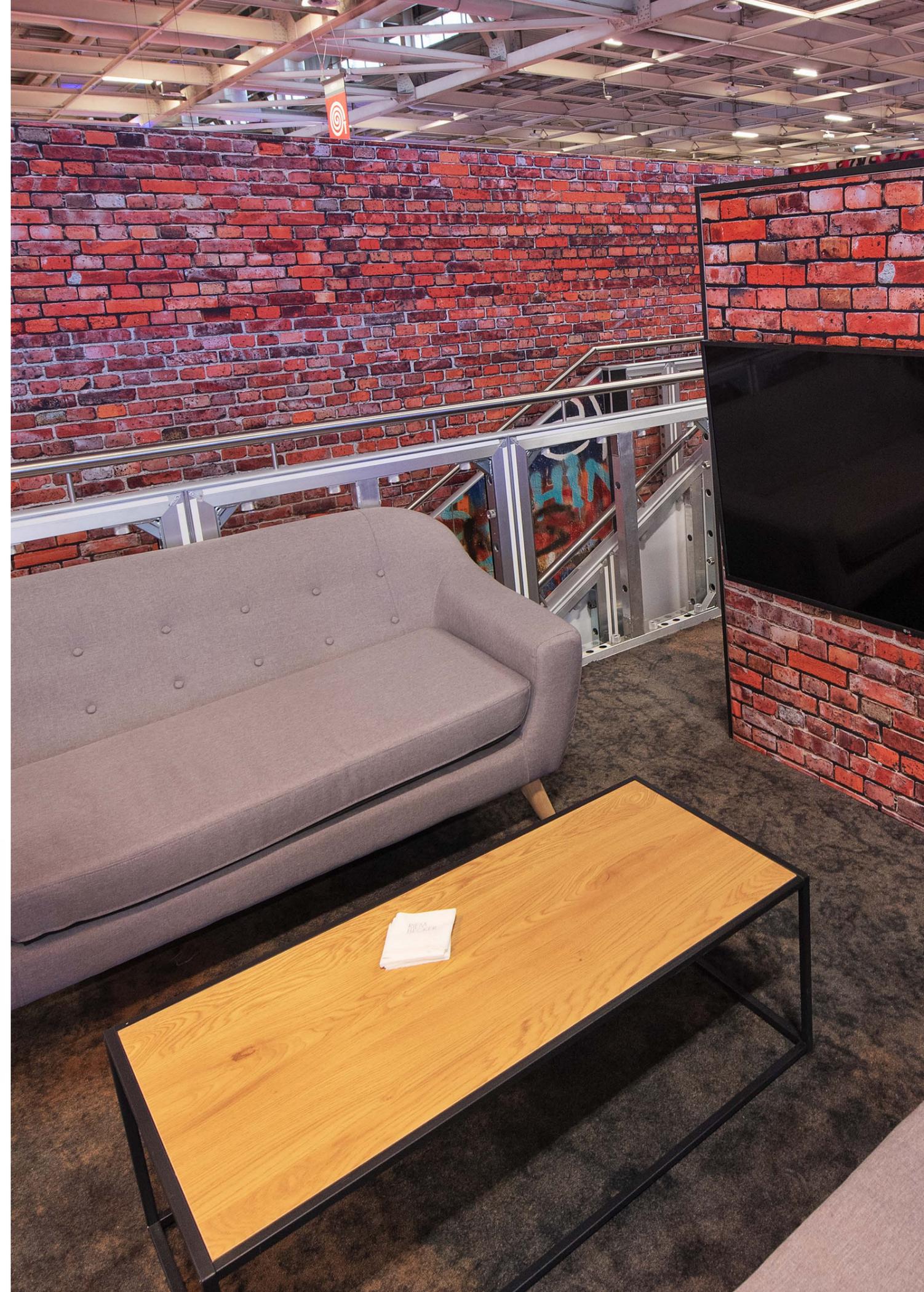


BOTTOM SUPPORT
990 60 37 02



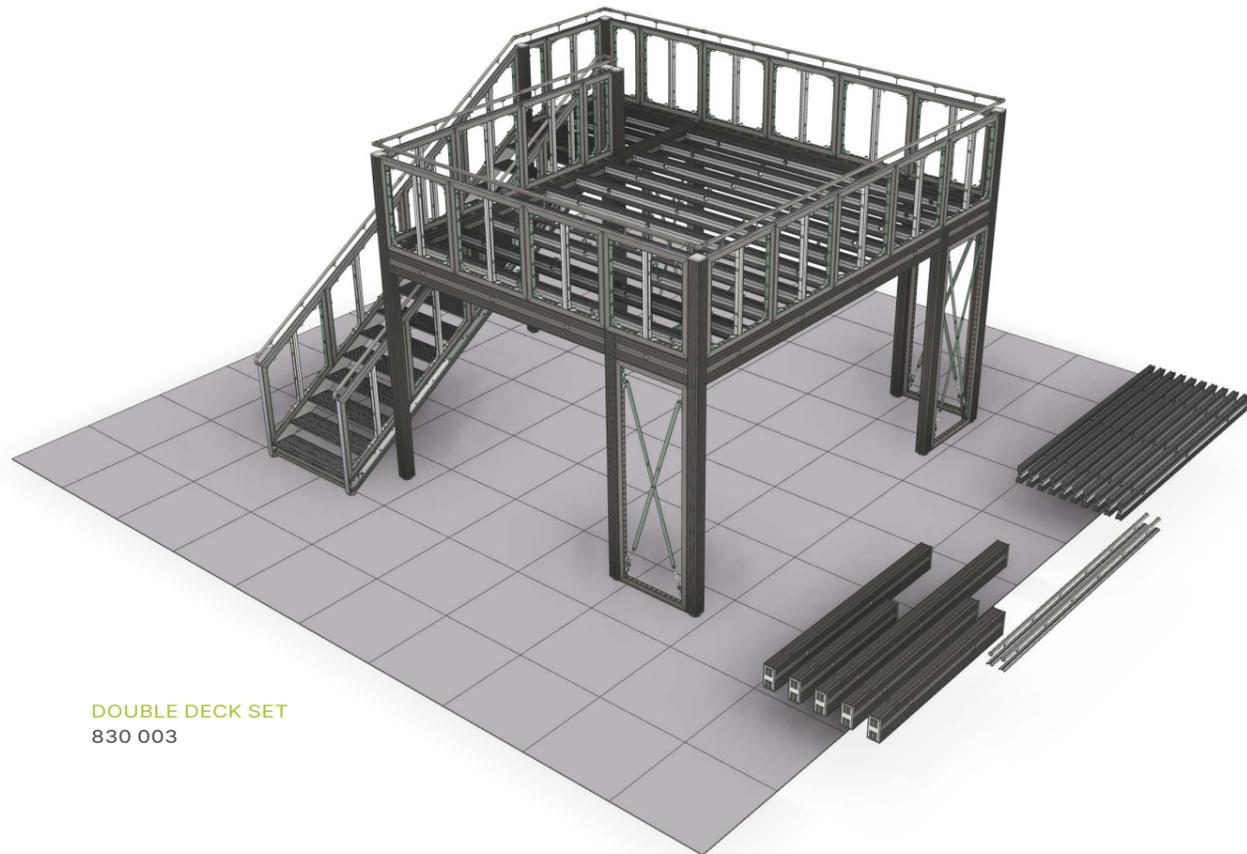
Finish

The finishing of floor and ceiling is not provided in the Double Deck modules. For the floor, minimum **22 mm chipboard** must be provided. Standard b62 frames can be mounted on the ceiling and finished with textiles or panels.



Double Deck set

Profiles, poles, beams, floor brackets, staircases and railings: we offer you entire modules which you can easily add to your stand design. With the **Double Deck set 830 003** you can create up to six different configurations. **Other configurations on request, please contact us for more information.**

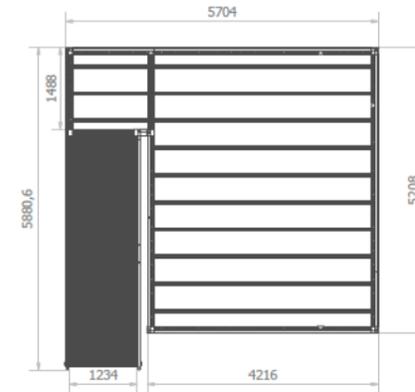


DOUBLE DECK SET
830 003

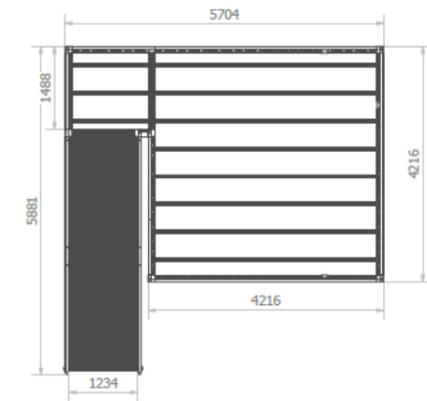
To transport the profiles of the set 830 003, you need two trolleys 990 60 37.

Configurations

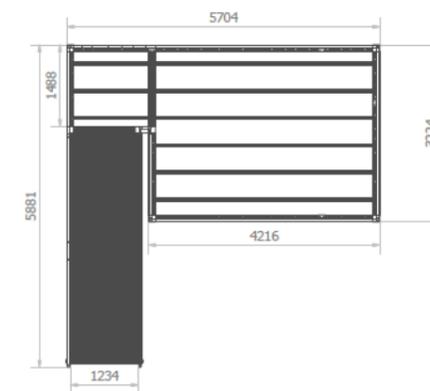
Configuration 1



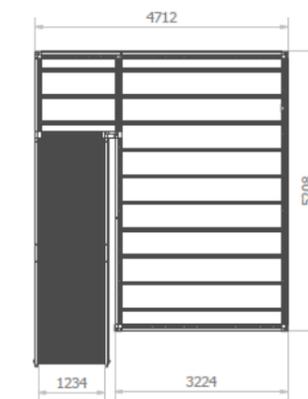
Configuration 2



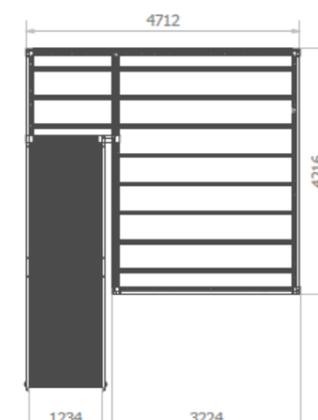
Configuration 3



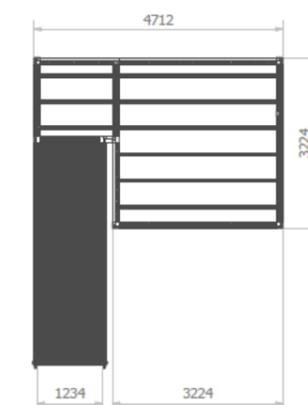
Configuration 4



Configuration 5

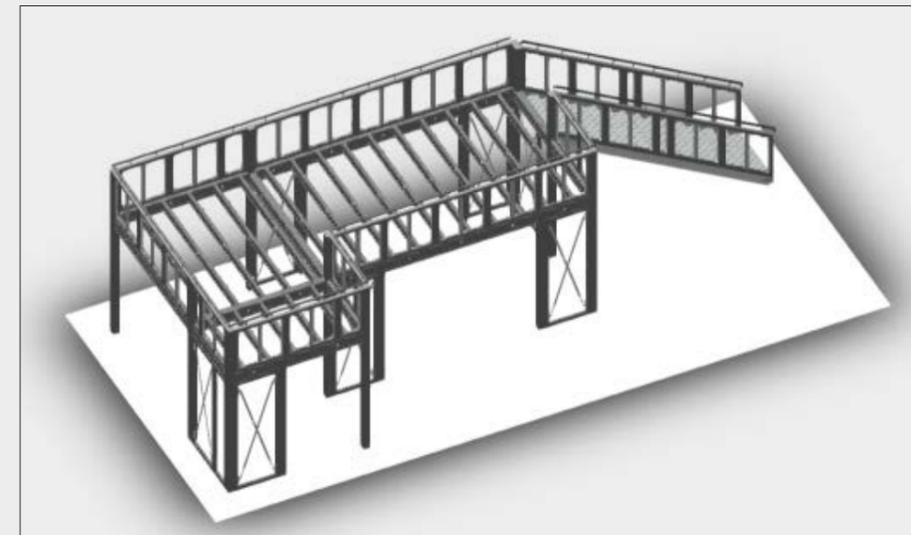
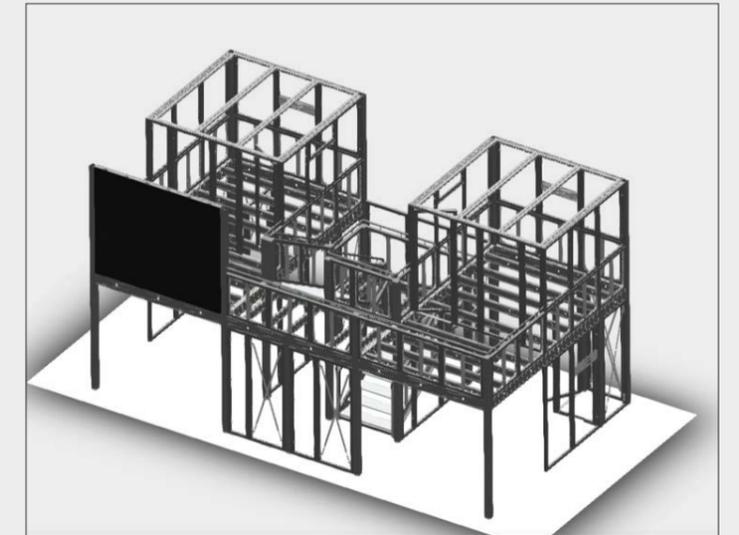
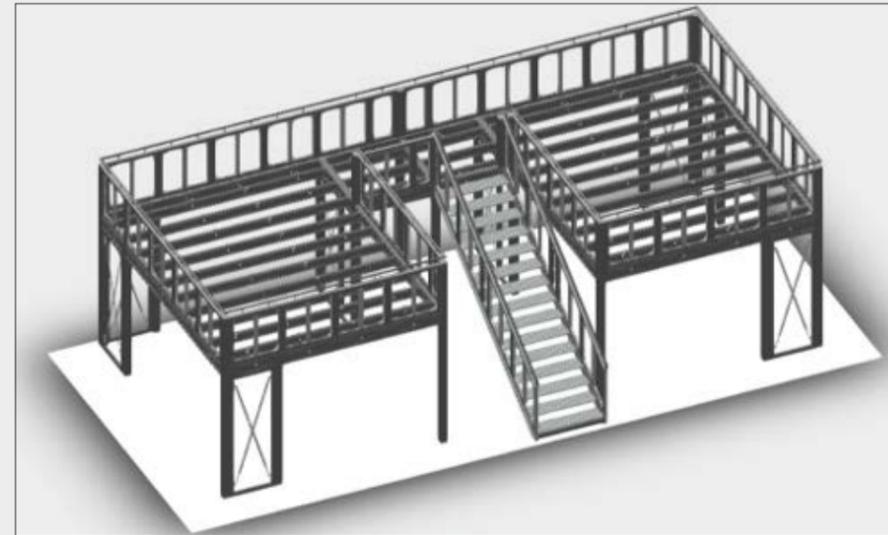


Configuration 6



Inspiration

Combine our sets for an outstanding result!



The 8 beMatrix principles



Quality guaranteed

All beMatrix frames are manufactured in-house, so we are in control of every step in the production process. Continuous optimisation and innovation initiatives ensure the system always complies with the market's demands.



Top finishing

The beMatrix stand building system comes with a large range of tools and accessories to finish your stand exactly the way you envisage it. With the infills, you can even hide the entire frame system so it becomes invisible to the eye. Thanks to our 'seamless' concept, not one seam will be noticeable.

Freedom to design

A beMatrix stand combines the benefits of a modular system with the possibilities of made-to-measure solutions. Almost any shape, contour and construction is conceivable and can easily be created. One single frame allows you to create all different kinds of stand concepts.



Lightweight

The aluminium frame system is lightweight, hence very ergonomic and eco-friendly: no need for the stand builder to carry around heavy structures, while the transport weight and CO2 emissions remain low.



Fast

Assembly and disassembly of the beMatrix system takes hardly any time. Its weight, simplicity and tool free assembly save loads of time, leaving you space to focus on the finishing details of your stand. Isn't that what makes you stand out most at a fair?

Long life cycle

The system is extremely sturdy, making it endlessly reusable. Wear and tear won't shorten its life cycle, since the frame is not visible to the eye once the entire stand is set up.

Ecologically sound

Because of its low weight, long life cycle and modular character, the beMatrix frame system is the eco-friendliest system today. Moreover, it is made out of untreated aluminium, so 100% recyclable and reusable without any quality losses.

International network

The bePartner network brings together real ambassadors of the beMatrix frame system, each with their own expertise: stand building, textile printing, LEDskin®, Double Deck... A creative cross-pollination offering you as our client nothing but benefits.



bePartners at your service

bePartner LEDskin®

Our LEDskin® bePartners all stock a minimum amount of LEDskin® and have years of expertise in the audiovisual industry. They are more than happy to help you perfectly integrate LEDskin® in your beMatrix stand.

bePartner printed textiles

Printing customised textiles takes real precision. Our bePartners for printed textiles have proven they totally master this specialised skill and guarantee perfect service, time and again.

bePartner build

Our bePartners build have a large stock of frames and accessories, integrate our latest innovations, are able to think outside the box and consider optimal service to be of paramount importance.

bePartner LEDskin® content

Do you already have LEDskin® available, but are you still looking for a partner to help you with content? Our content partners will advise and assist you, from content creation up to and including optimal display quality on your LEDskin® system.

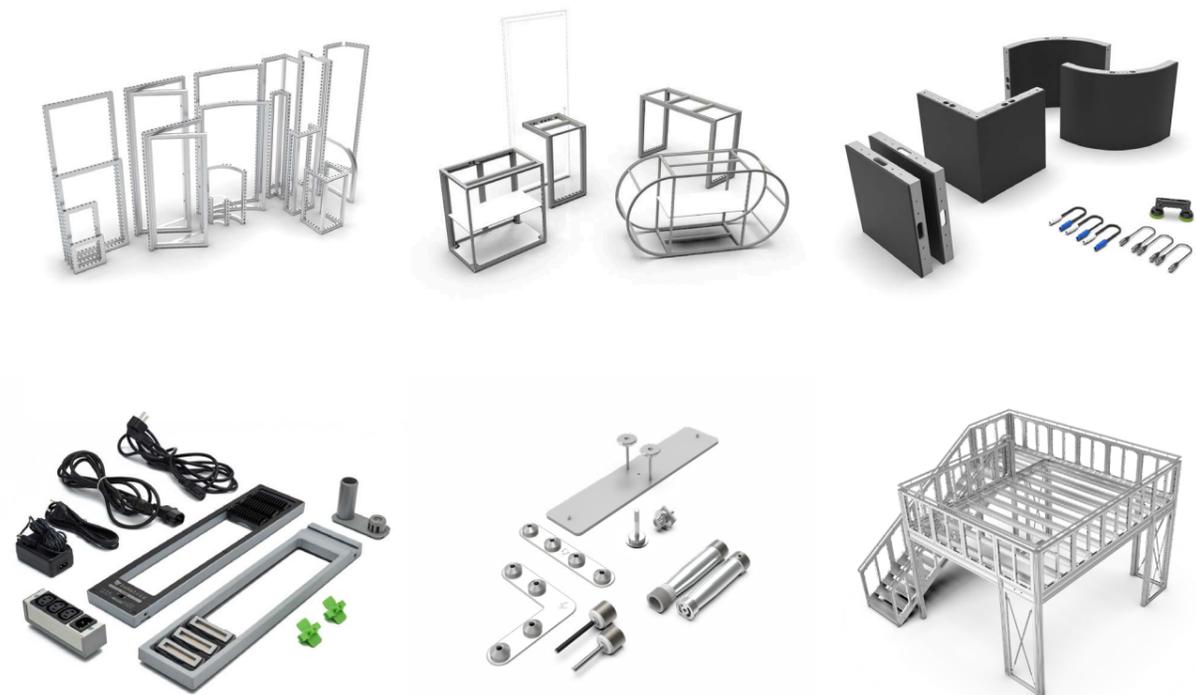
bePartner printed panels

Printing infill panels for our beMatrix frames might seem simple, but this specialised job really has to be executed in a very precise way. Our bePartners for printed panels have already proven they totally master this specialised skill and guarantee excellent service, time and again.

Global Rental Network: short- and long-term

You want each of your projects to be unique and outstanding with a minimum of investment? You want to grow your business internationally without paying to ship pallets with frames to the other side of Europe unnecessarily? Or how about designing experiences for your clients without being limited by the limits of your stock? In each case, the Global Rental Network is your answer. Our beMatrix Service Centres store a large range of frames, lighting and other beMatrix solutions to support you. We deliver anywhere with all the requisite care and urgency.

We offer two different renting options so you get a beneficial price and, maybe even more interesting, a spread of the costs for your beMatrix project. Renting on short term has a run time of maximum three weeks. The condition to rent on long term is a minimal run time of six months. Both rental plans can also be combined, according to your specific needs. Contact us now for your personal rental solution. Your account manager will help you to decide what the best option is according to the type of products you need.





be strong  **be stylish**
be anything.

Come say hi

HQ Belgium
Wijnendalestraat 174
8800 Roeselare

get in touch

+32 (0)51 20 07 50
info@beMatrix.com

or boost your inspiration

www.beMatrix.com
socials @beMatrix
    