XTREME

be anything.



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Easy and sustainable event building

beMatrix is the true heir and Belgian manufacturer of the original frame system with big holes, launched in 1993. beMatrix leverages the event industry towards positive transformation with a higher convenience and return for customers in a sustainable manner.



Our mission is to be the leading system for easy and sustainable event building.

The beMatrix system offers event builders and exhibitors endless possibilities with endless kinds of concepts for exhibition stands, congress walls, indoor and outdoor events and pop-ups.



A sustainable step forward: frames with ECO+ finish.

beMatrix introduced the ECO frame as an ecological alternative to the anodised frame. Anodising is a chemical surface treatment harmful to the environment. We invented a brushing technique with the same look as the end result, but without environmental risks.



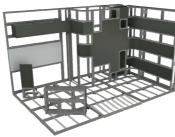
b62[®]



All dimensions of the $b62^{\circ}$ frame system have been based on the perfect 62×62 mm matrix. The width, length and height of the constructions are always multiples of 62.

The 62 mm matrix delivers the ultimate **modularity** with countless configuration options.





Why beMatrix?

Fast & easy design and build-up

Faster and easier than assembling a traditional profile-based system, light weight and no tools needed!

High return on investment

The same frame can be used for walls, ceilings and floors. Since assembly is quick and easy, labour costs can be cut.

Sustainable system

Frames can be reused over and over again. They are also recyclable with minimal energy and without any loss of quality.

International network

There is always someone around who can assist you in the beMatrix network; beMatrix operates worldwide.

Local service and stock close to you

We have rental and service centres worldwide to support you with rental equipment, training or build-up support.

Product Drindles

8

ı



b62

The 62 mm grid assures a perfect fit in any direction.
Create any shape imaginable.

2



Toolless

Hardly any tools needed.
The fastest system to build.

3



System & custom

Unique merge of the modular system and custom elements.

4



ECO surface treatment

Brushing process that does not harm the environment.

Keep the body, change the skin

Endlessly reusable, just change the graphics!



7

beMatrify, our DNA

Easy to finish (panels/textile) and always connectable to the rest of the system.



6

Welded frames

Lighter, stronger and faster assembly than standard frames.



5

360°

Use the frame for walls, ceilings and floors. It harmoniously blends into one.



Xtrenne

Spans

In the world of live events and exhibitions, we've noticed the desire of our clients to build bigger. These types of designs **demand more load bearing capacity on the structures**. Let's take a look at the different beMatrix options to build small, medium or large spans in a safe and efficient way.

Small Spans

For small and limited spans you're all set using the **b62 frames** combined with the **corner profile square 62**.





Medium spans

For medium spans that **do not carry heavy items** like LEDskin® (not load bearing), we recommend using **beConstruct**, our newest construction profile.



Large spans

Want to take your build a step further? Is your design **load bearing**? Then **beTruss** is your solution for large spans. It's even possible to add LEDskin® tiles to the beTruss provided that LEDskin® and beTruss are built at the same time.













beConstruct

beConstruct is our construction profile that **lets you build big and open non-load** bearing constructions. It's the perfect solution for designs that require more than just frames but less than beTruss. The dimensions of beConstruct are **124 mm by 124 mm** making it fit perfectly within the beMatrix system (where width, length and height are always multiples of 62). beConstruct can be perfectly attached to the existing frames in your stock, using existing and a number of new connectors.



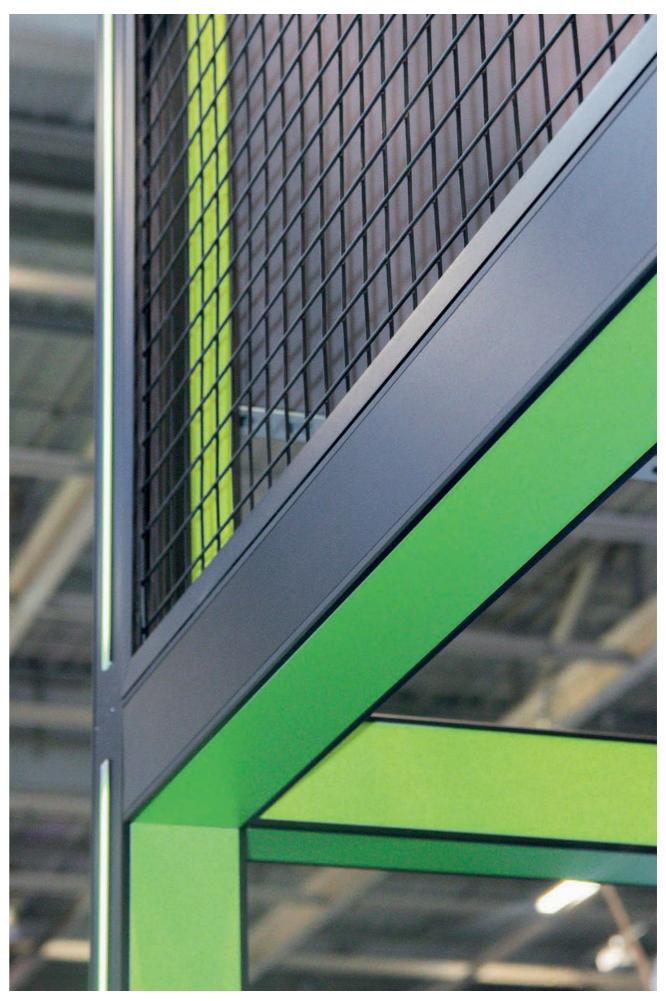
This beConstruct construction profile is **lighter to build with** compared to Double Deck's poles & beams. This means faster build times and reduced labor costs. You can build in both 90° (=corners) and in 180° (=extensions) directions. Use the D30 slot connector to hang b62 frames on it. The **migration between beConstruct and b62 frames** opens many design opportunities in the exhibit and event industry.











The body

90° connector ⊢

A strong beMatrix connector connecting 2 aluminum construction profiles at a perfect 90° angle. Patented design.

Art. n

710 30 0214





Slot connector support

The slot connector support can be put in the construction profile beforehand. Always used together with the 710 30 0214 in a 90° connection. In addition, it also serves as a support to rest a horizontal profile on before securing the 90° connector.

Art. n

710 30 0217





→ End piece

The cherry on the cake: an end piece that fits the beConstruct profile perfectly. For a neat result!

Art. nr 980 11 01 TG



180° connector

A strong beMatrix connector connecting 2 aluminum construction profiles in a 180° extension. Patented design.

Art. nr 710 30 02





Construction profile

The construction profile offers a solution for medium spans.

mensions 124 mm x 124 mm t. nr 980 ++++ D4X V

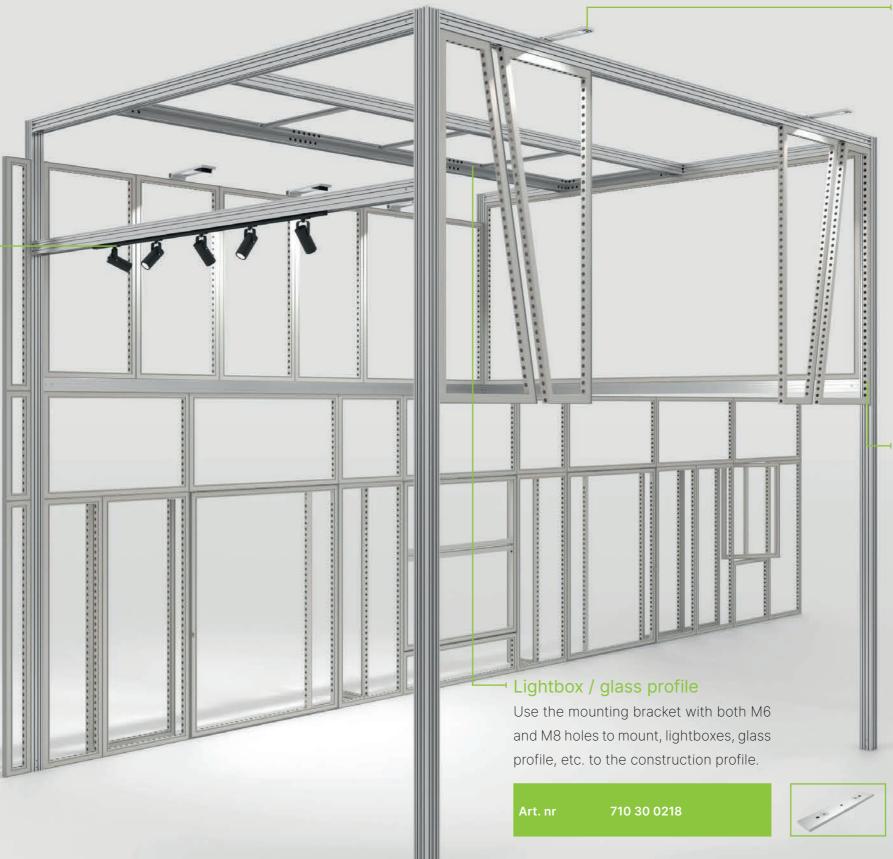


beConstruct is one of the building blocks within the full beMatrix range. Unleash your creativity and design never-before-seen exhibition stands!

Track Light profile ⊢

Adding lighting to your design is a piece of cake. The cross section of the beConstruct profile includes a notch to slide in a Track Light Profile into it. Even better: there's a channel on the inside where you can hide the cables. They are secured with a clip.





SAM Light / BIG SAM Light

The SAM Light & BIG SAM Light connector is an attachment piece to integrate these lights to beMatrix's construction profile. Simply slide the plate onto the SAM Light connector or the BIG SAM Light connector and mount on the construction profile! Yes, it can be that simple.

710 30 0219 Art. nr



Frames

Connect the construction profile to the b62 frames using the D30 slot connector and the M8 pin.

Art. nr 901 830 001 901 2048 0066 E







Lightbox —

Use the mounting bracket with both M6 and M8 holes to mount, lightboxes, glass profile, etc. to the construction profile.

Art. n

710 30 0218









Double Deck

A strong beMatrix connector that will connect the be-Construct to the Double Deck in 180°! The possibility to add the beConstruct to the Double Deck gives you tons of new design inspiration, isn't it?

Art. nr

710 30 0216





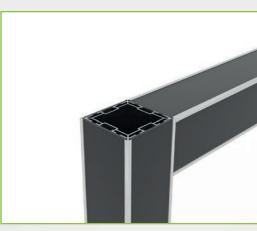


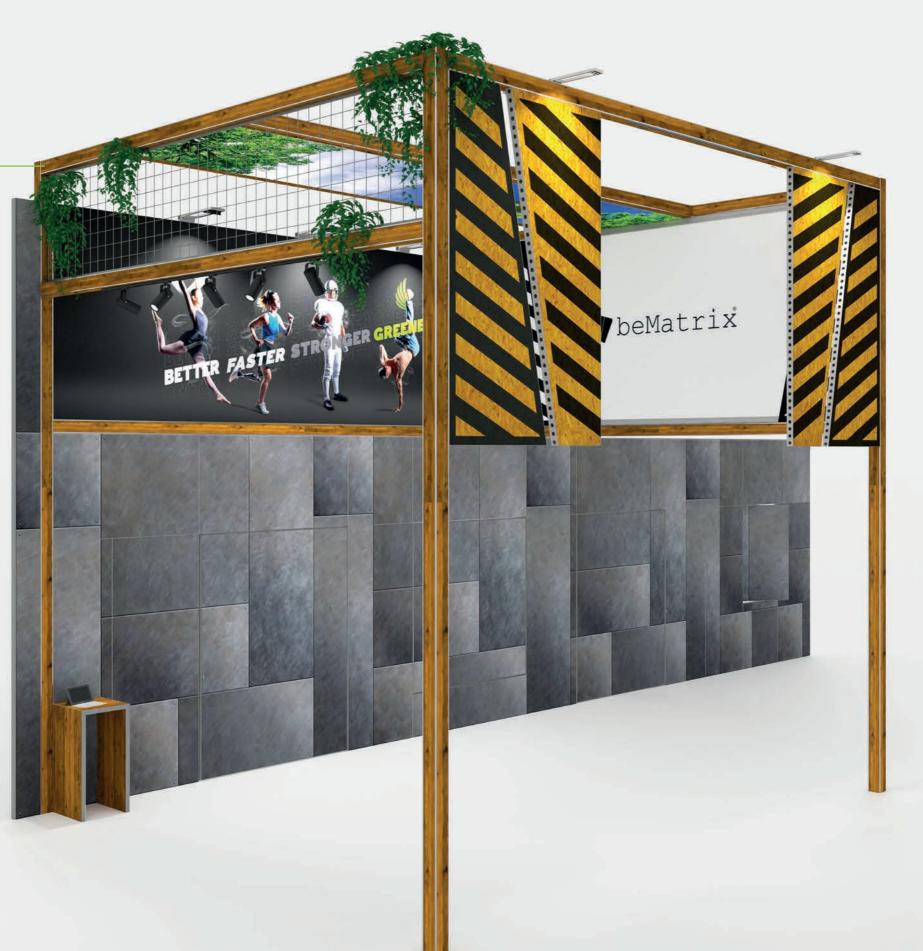
The skin

Panels ⊢

Finish the 4 sides of the aluminium profile by using 3mm thick (branded or non-branded) panels, guaranteeing you a sleek result!



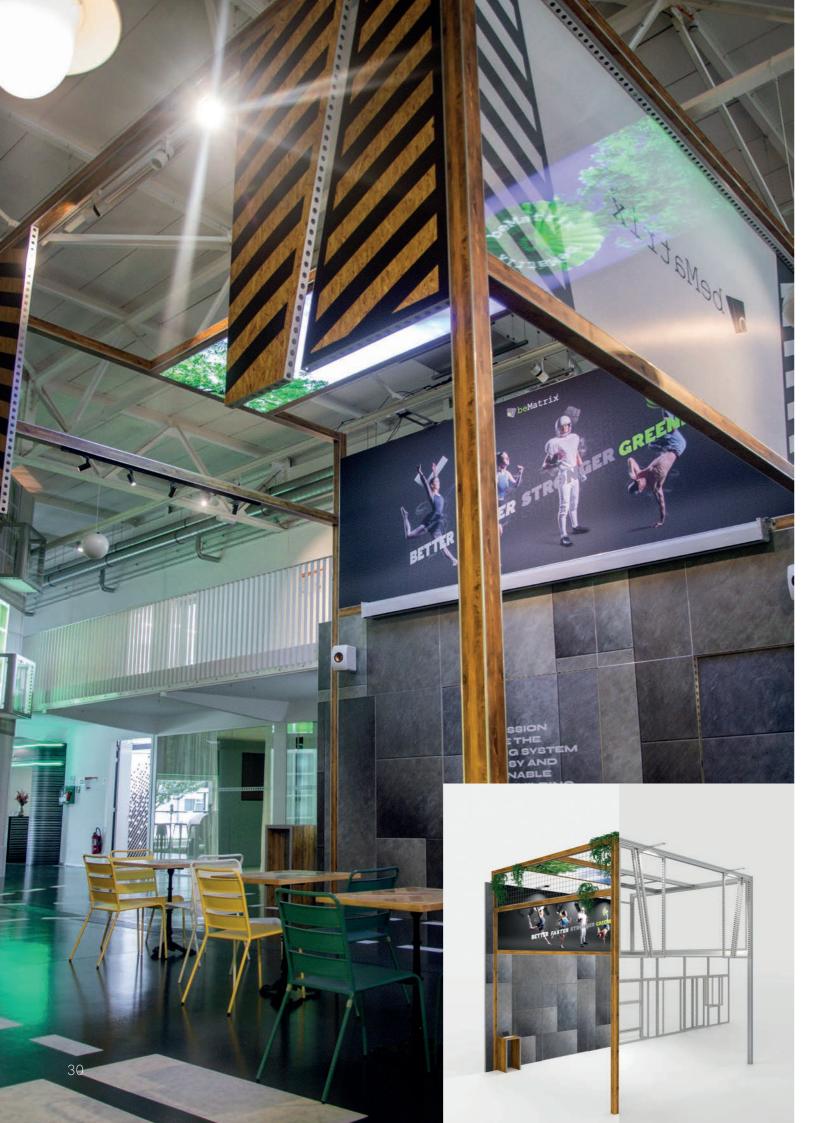




Tip

With lighting, you can get as creative as you want! Our ultimate tip is to mount a LED strip in the construction profile. This will accentuate the poles and emphasise the straight lines in your stand.





The add-ons



Adjustable foot for the construction profile

The adjustable foot for the construction profile can be mounted on the underside of the profile to change its height.

901 20 040



Suspension connector

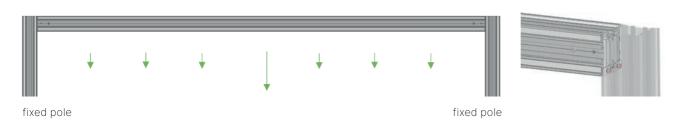
The rigging (suspension) connector is a super-strong connector with an eye to hang your beConstruct setup from the ceiling.

710 30 0220



The target load tables

Profile clamped (with 90° connector and support block): one full profile



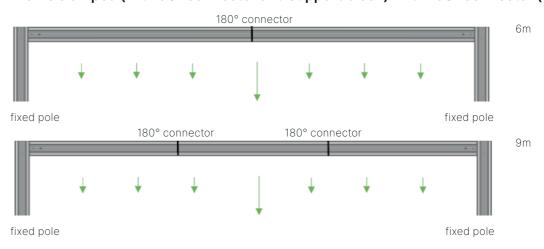
Load limits and displacements:

Longth			UDL					CPL		
Length (m) / (ft)	(N/m)	(kg/m)	(lbf/ft)	(mm)	(in)	(N)	(kg)	(lbf)	(mm)	(in)
3 / 9.84	2.029 ¹	2071	139¹	9.9	0.39	6.088 ¹	621 ¹	417¹	15.9	0.63
4 / 13.12	1.512¹	154¹	104¹	22.9	0.90	4.8642	496 ²	333 ²	29.6	1.17
5 / 16.4	9422	96 ²	65 ²	34.6	1.36	3.139 ²	320 ²	215 ²	37.1	1.46
6 / 19.69	5442	55 ²	37 ²	41.8	1.65	2.772	222 ²	149 ²	44.8	1.76

 $^{\mbox{\tiny 1}}\mbox{Limited}$ by the maximum allowable shear load on the positioning block.

- 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 end.
- The self-weight of the profile is already taken into account.
- Loading table is calculated according and in compliace with the European standard (Eurocode EN1990).
- Loading table excluding frequent use factor.
- Loading table & deflections are based on good assembled and aligned connectors.

Profile clamped (with 90° connector and support block): with 180° connector (multiple profiles)



Load limits and displacements:

UDL						CPL				
Length (m) / (ft)	(N/m)	(kg/m)	(lbf/ft)	(mm)	(in)	(N)	(kg)	(lbf)	(mm)	(in)
6 / 19.69	212	21.6	14.5	5.2	0.20	850	86.6	58.2	7.3	0.29
9 / 29.53	62	6.3	4.2	10.2	0.40	376	38.3	25.8	12.9	0.51

² Limited by the connection.

beTruss

The body

beTruss allows you to build **stands of any size**, no matter how big, with one single (stand const ruction) 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.

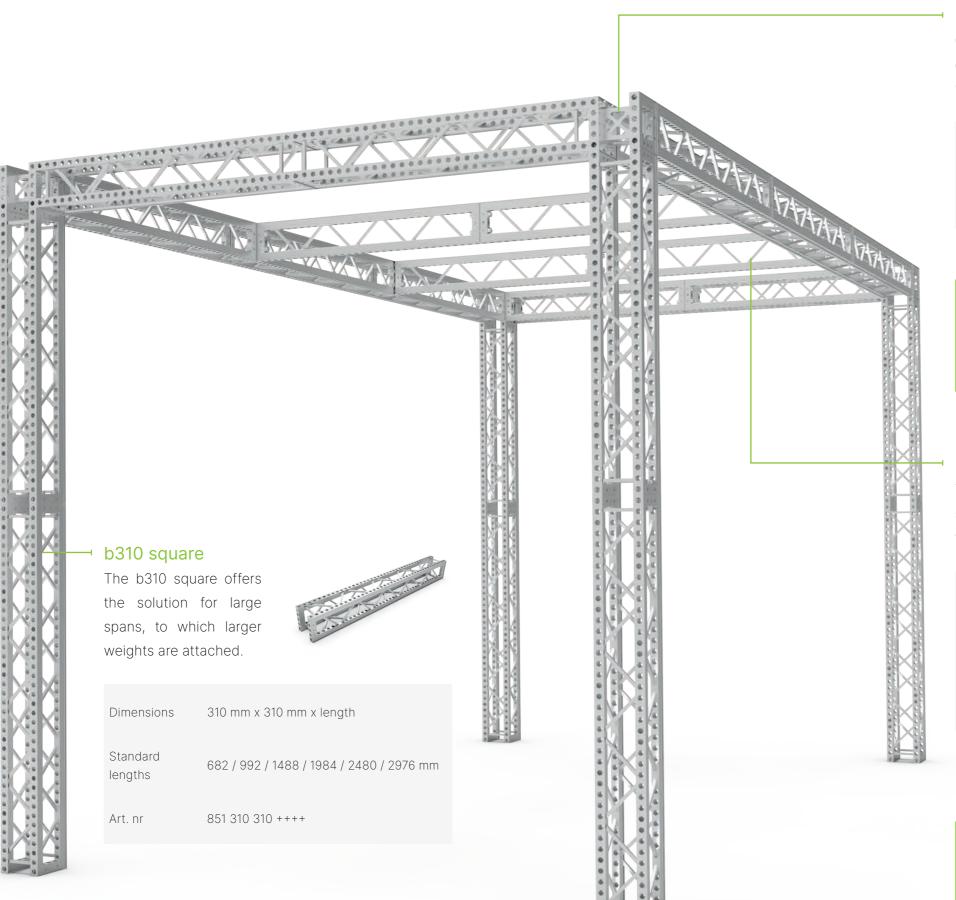
Identical to the b62 frame system, all dimensions are based on **62 × 62 mm**, so perfectly usable with existing frames thanks to the especially designed load bearing connector.

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.







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

Art. nr 852 310 310 310









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 62×62 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

Art. nr 850 62 310 ++++



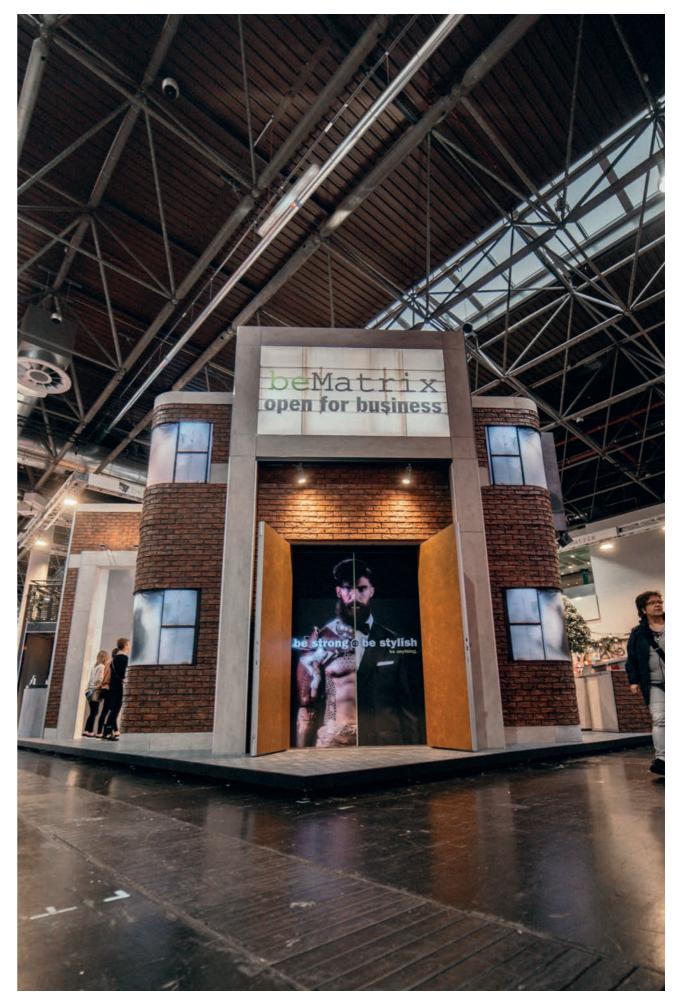




b310 180° connector with automatic locking system

39





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.





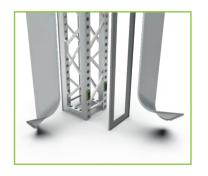
Panel

The b310 range can be finished with 3mm thick panels.



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

pensate height Art. nr

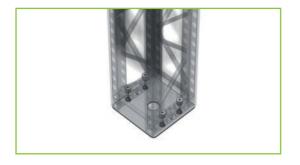
901 28 0706



Baseplate

(use as a standalone for Art. nr

901 28 0707





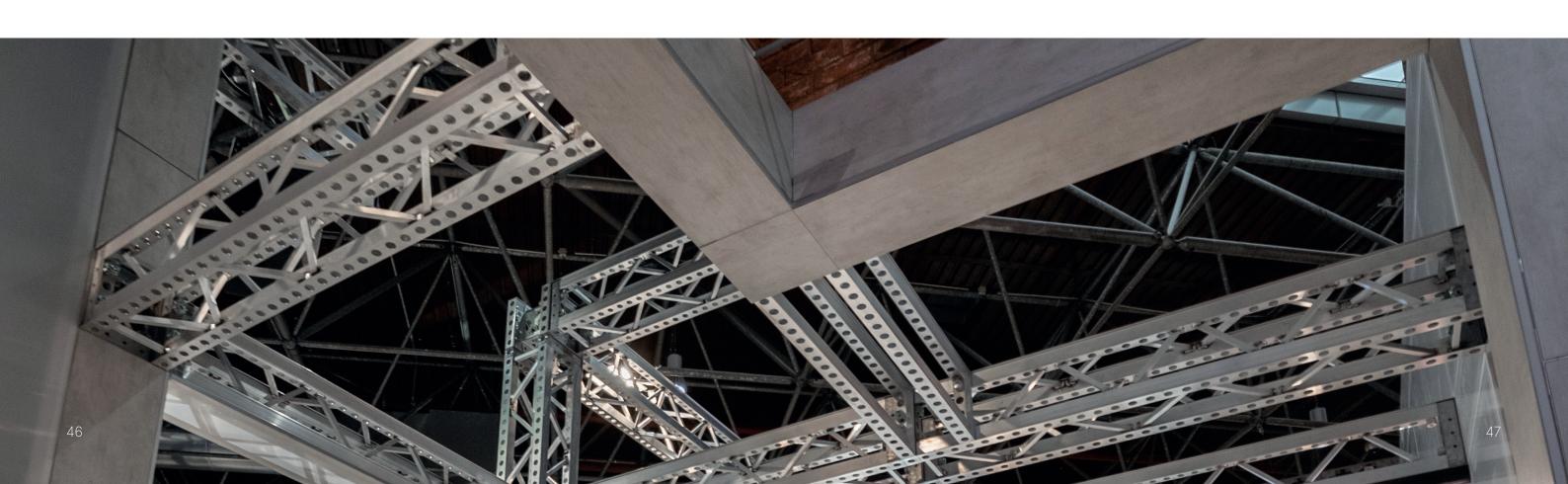


Hanging bracket

Art. nr

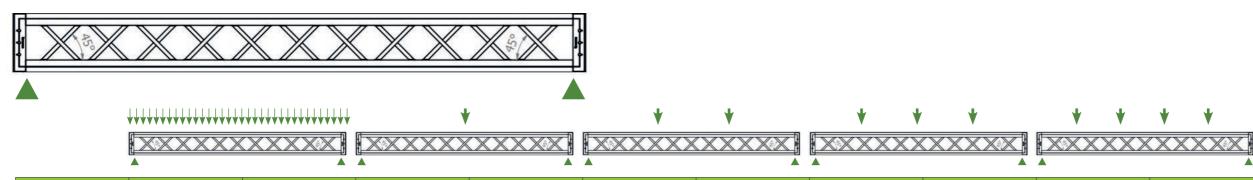
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The target load tables

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	385.0	2.43	923.3	3.56	560.1	3.27	385.0	3.27	288.7	3.07
4	286.9	7.08	808.1	7.45	505.9	7.76	382.5	8.04	286.9	7.95
5	228.1	11.73	703.1	11.34	455.4	12.24	347.6	12.80	272.6	12.83
6	188.9	16.37	608.2	15.23	408.8	16.72	306.1	17.57	243.6	17.70
7	160.6	24.33	523.6	20.84	365.8	24.41	268.6	24.84	216.9	25.49
8	120.2	32.29	449.2	26.45	326.7	32.09	235.2	32.12	192.4	33.28
9	93.0	40.25	384.9	32.06	291.3	39.78	205.8	39.39	170.3	41.07
10	74.0	50.85	330.9	39.67	259.6	50.32	180.4	48.96	150.5	51.20
11	60.2	61.45	287.0	47.28	231.8	60.86	159.1	58.53	132.9	61.34
12	48.8	72.06	253.3	54.89	207.7	71.40	141.8	68.09	117.7	71.48
13	41.9	86.74	229.8	68.92	187.3	85.57	128.6	83.68	104.8	84.50
14	35.6	101.4	216.6	82.95	170.7	99.75	119.3	99.26	94.1	97.53
15	30.7	116.1	213.5	96.98	157.9	113.9	114.1	114.8	85.8	110.6

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

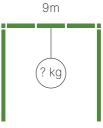
- Loading table only valid for static loads
- Loading table only valid for single spans with support at both ends.
- The self weight of the truss is already taken into account
- Loading table are calculated according and in compliance with to European standard (Eurocode EN1990)
- Loading table excluding frequent use factor
- Truss spans can be assembled from different truss lengths
- Loading table & 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.

Example

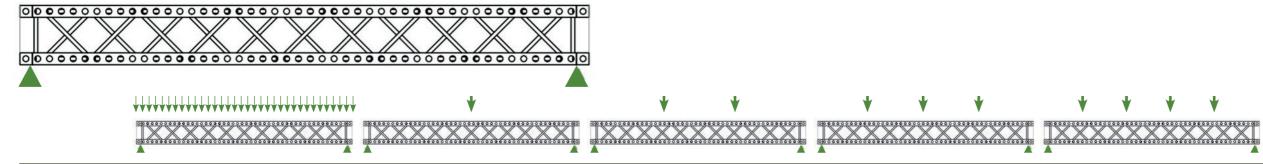
What is the maximum weight & deflection in the middle of the beTruss at a span of 9m?

- = 384,9kg x <u>safety factor 0,85</u>
- = 327.2kg with a deflection of 32.06mm

Less deflection thanks to the use of beTruss.



b310 square, direction 2



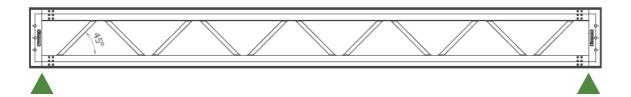
SPAN (m)	UDL (kg/m)	Deflection (mm)	CPL (kg)	Deflection (mm)	TPL (kg)	Deflection (mm)	QPL (kg)	Deflection (mm)	FPL (kg)	Deflection (mm)
3	149.7	1.17	419.3	1.93	218.2	1.58	149.7	1.61	112.2	1.54
4	110.4	3.12	335.7	3.46	194.5	3.58	147.3	3.90	110.4	4.04
5	86.9	5.07	268.0	4.98	172.4	5.59	132.5	6.19	103.9	6.53
6	71.2	7.01	213.8	6.50	151.8	7.59	114.7	8.49	91.4	9.03
7	60.0	10.82	170.9	8.82	132.7	11.45	98.4	12.48	79.8	13.49
8	47.1	14.63	137.4	11.14	115.1	15.30	83.7	16.48	69.1	17.94
9	35.9	18.43	111.3	13.46	99.0	19.16	70.7	20.48	59.3	22.40
10	27.2	22.60	90.9	17.39	84.4	25.08	59.2	27.02	50.4	29.68
11	20.7	26.78	74.5	21.32	71.3	31.01	49.4	33.57	42.5	36.97
12	16.0	30.95	60.9	25.25	59.7	36.94	41.2	40.11	35.4	44.25
13	12.6	37.01	48.6	30.69	49.6	45.64	34.5	50.39	29.3	54.48
14	10.0	43.08	36.6	36.12	41.0	54.35	29.5	60.67	24.0	64.70
15	8.0	49.15	23.7	41.56	33.9	63.05	26.2	70.96	19.7	74.93

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

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 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

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
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- Truss spans can be assembled from different truss lengths
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 Please contact a structural engineer or beMatrix for assistance.



Double Deck

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.

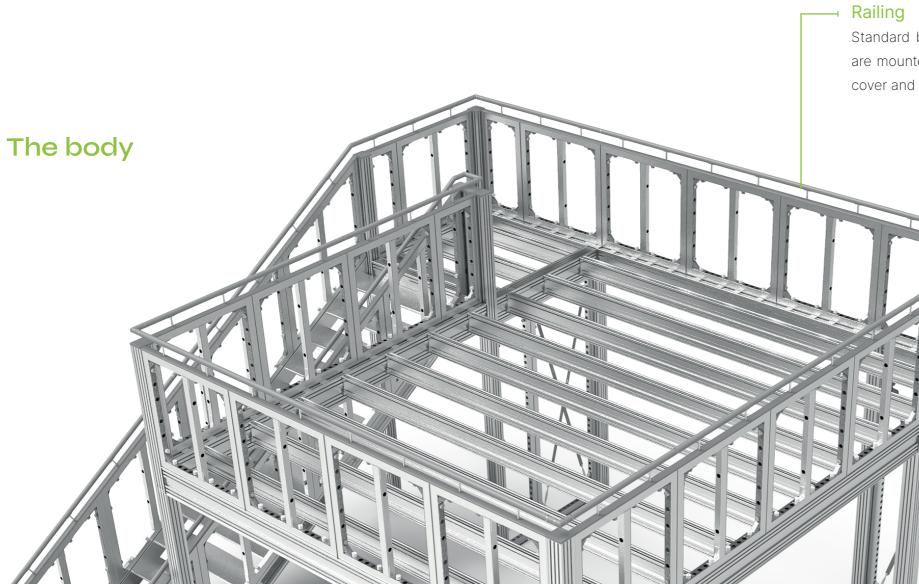
The Double Deck structure can be **finished with both panels and textile**, allowing the entire stand to get the same finish.

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









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.

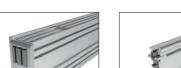




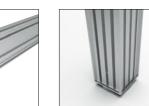
Structure

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

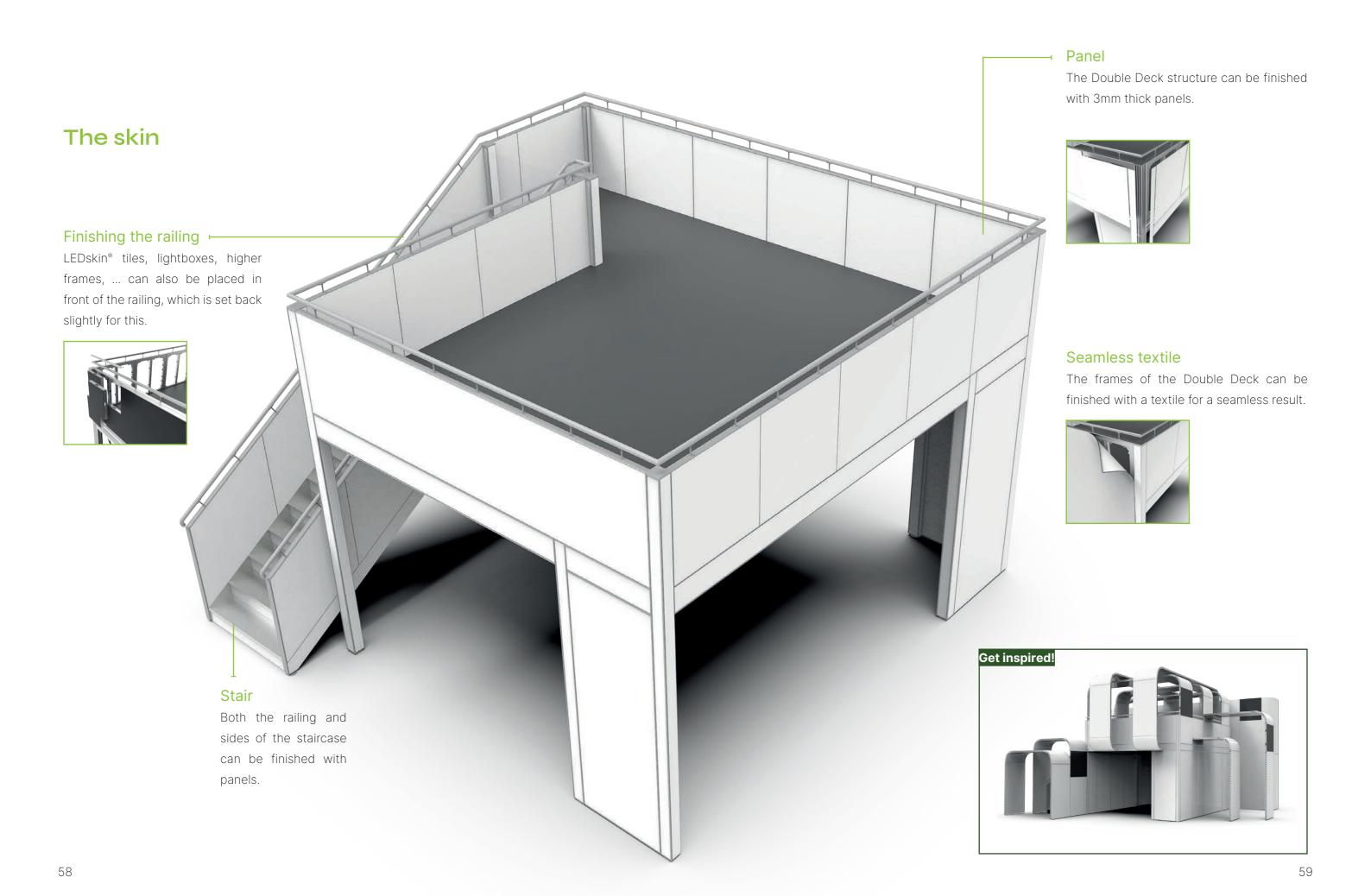
Stairs

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.

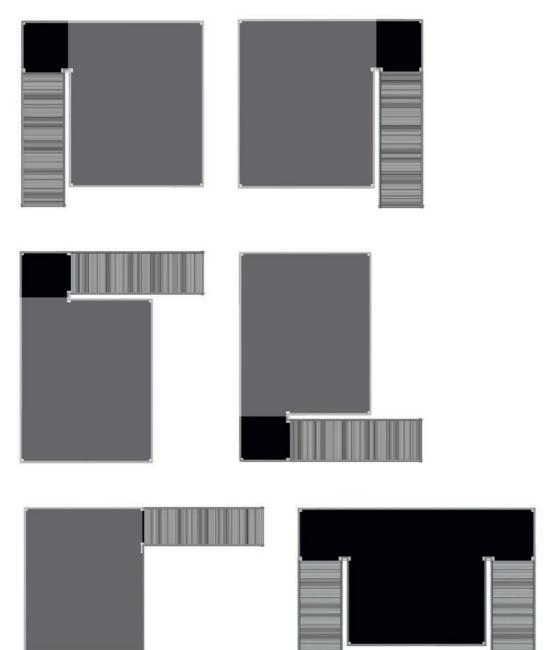






The stairs

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



Landing platform





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.

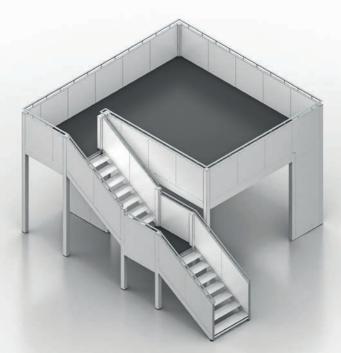
SET FRAMES UNDER STAIR 839 000













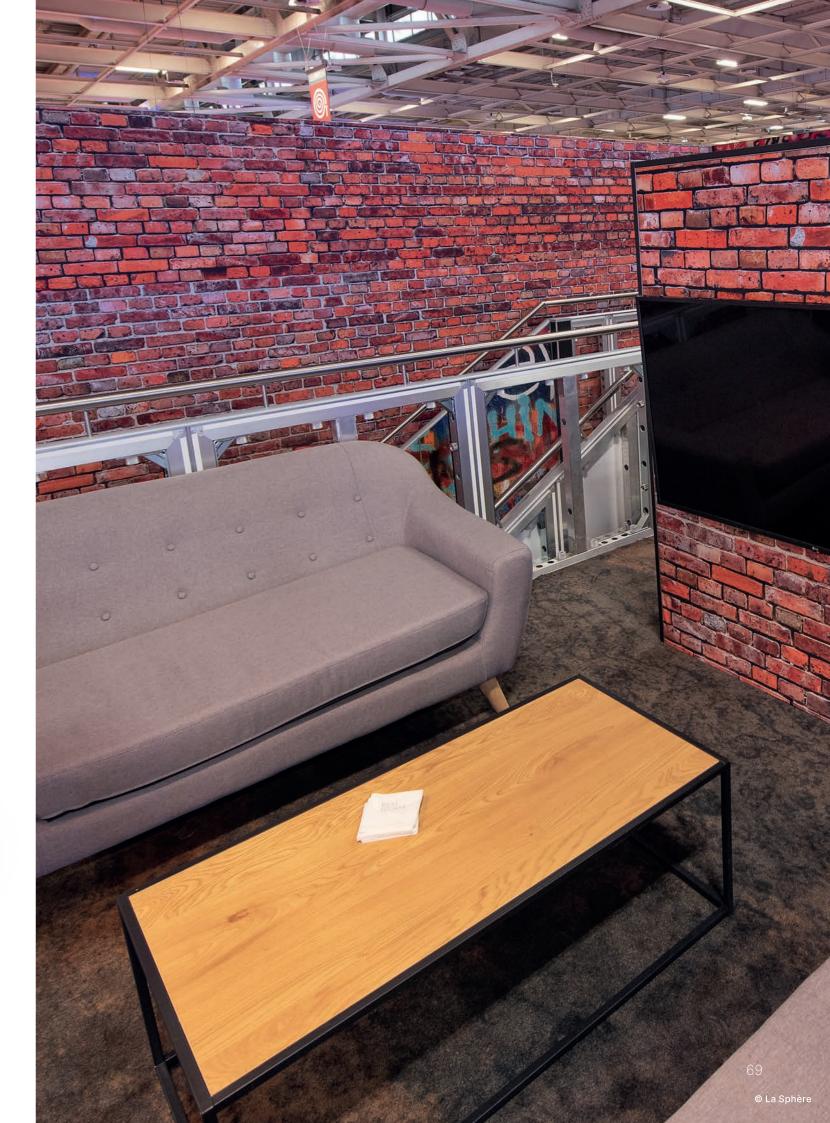




The finish

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 underneath to make a ceiling. You can even close off the lower part with frames to have an extra meeting space.





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

Art. nr

990 60 37

Profile separator & bottom support

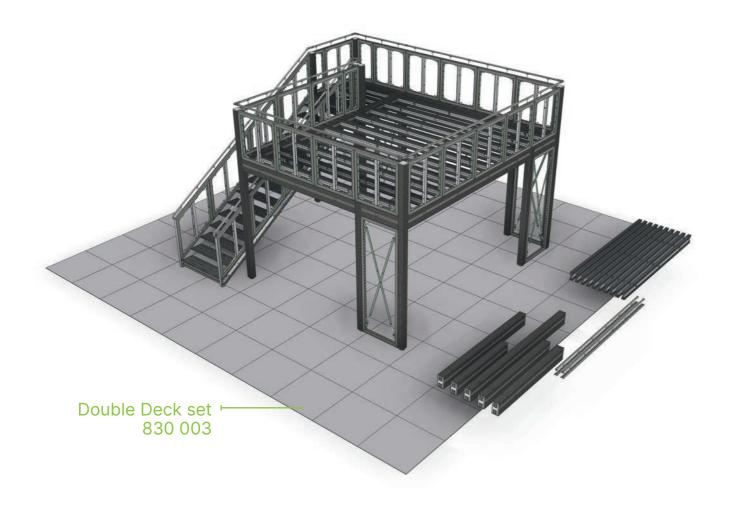
If you want to build your own case for transportation; you can do so with these products.





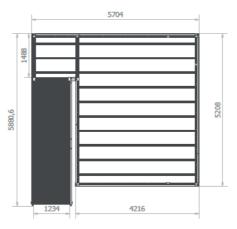
The set

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.

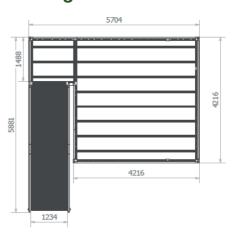


To transport the profiles of the set 830 003, you need two trolleys 990 60 37.

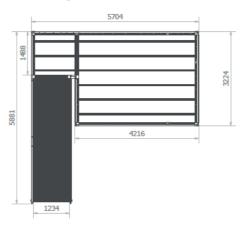
Configuration 1



Configuration 2



Configuration 3



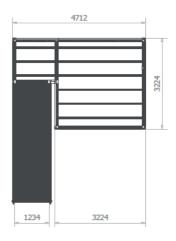
Configuration 4



Configuration 5



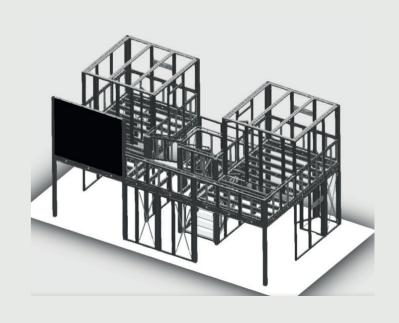
Configuration 6



Combine our sets for an outstanding result!

















Logistics

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

beMatrix also helps with the transportation from departure to arrival, including any customs formalities.



MybeMatrix

Technical leaflets & 3Ds

In MybeMatrix you have access to all our "how-to's" and technical leaflets with step by step guides.

3Ds show more than images.

Get full access to the 3D library!









beMasters

Our international network of exhibition builders.

Training

Our events are the perfect opportunity to discover the versatility of the frame system and to get a unique glimpse behind the scenes of beMatrix.









beCAD

Create, control and calculate your beMatrix project with beCAD.

Completely free, all-in-one online tool loved by exhibition designers.





CO2 Calculator

Calculate your stand's carbon footprint and stand out from your competitors.

bePartner network

We collaborate with a few select partners/suppliers for specific services. These partners have been hand-picked and they are audited annually!









Kontainer

A wide selection of projects for you to become acquainted with beMatrix products, services and the endless possibilities of our system.

Global Rental Network

The Global Rental Network is a **network of service centres** holding a large range of beMatrix products, **spread all over Europe**, **the UK and the USA**. Thanks to this network, you do not have to ship your beMatrix stock between locations, but you can use the large stock available locally. Moreover, the availability of frames is almost unlimited, even allowing you to build exceptionally large projects.



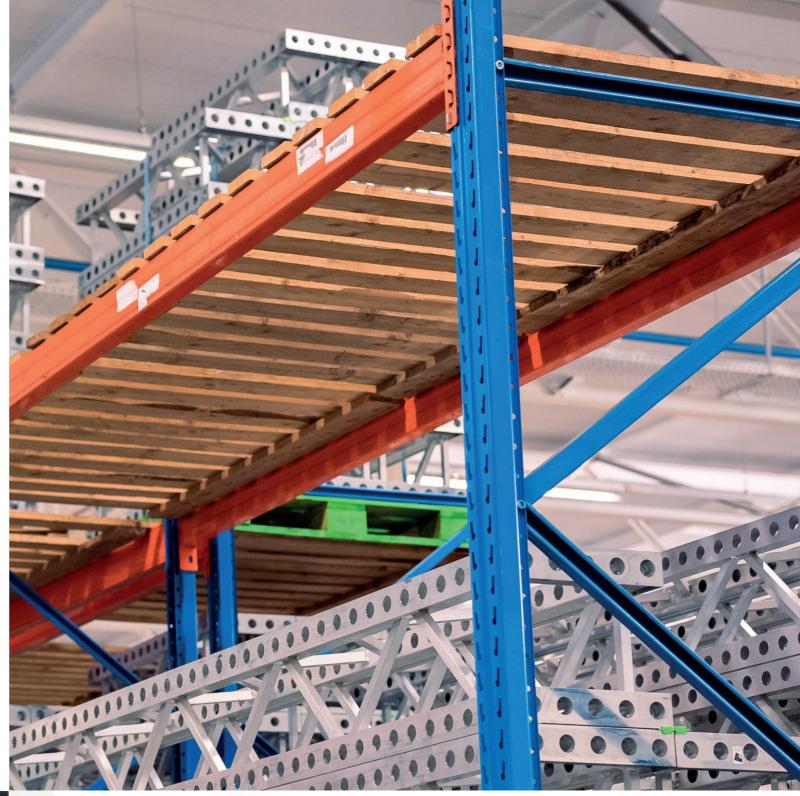
EU Locations

+ US Locations: Atlanta & Las Vegas

We offer two different renting options at a favourable price and, maybe even more interesting, the possibility to spread the cost of your beMatrix project.

Short-term renting has a typical run time of 1 day to 6 months. **Long-term** renting has a minimal run time of 6 months with a minimum of 50 frames. Both rental plans can also be combined, to meet your specific needs.





Benefits of our Global Rental Network

- Short-term or long-term rental (or combine both)
- Large local stock
- Local showroom near to you

- Technical advice and excellent service
- Test builds possible
- No extra storage space needed

Contact



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