

XTREME SOLUTIONS

# BECONSTRUCT

be anything.

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The world of exhibit and event building is ever-evolving. Designs have grown increasingly larger and often times need to cover more ground.

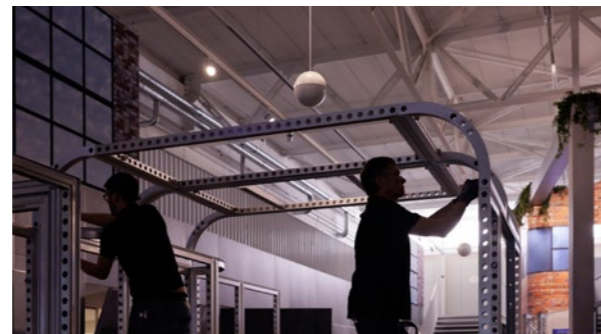
beMatrix continues to expand our product offerings to meet the needs of our customers. Our new addition to our Xtreme solutions product line, beConstruct, is here to help with all **non-load bearing designs while still maintaining a sleek and elegant look.**

# Spans

In the world of live events and exhibitions, we've noticed the desire of our clients to build bigger. These types of designs **require additional load bearing capacity**. 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, we've got you covered with our **b62 frames** combined with the **corner profile square 62**.



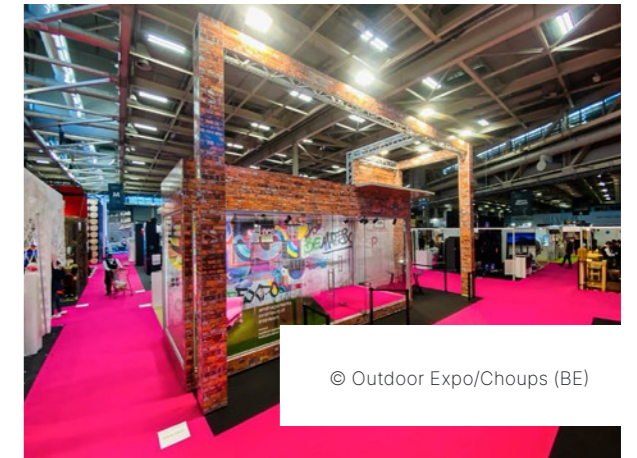
## Medium spans

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.



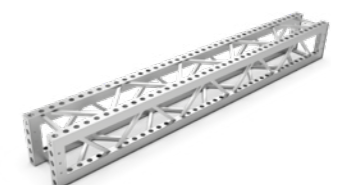
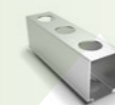
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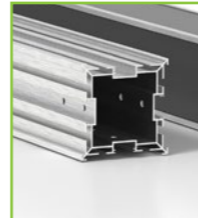
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# beConstruct

## Non-load bearing designs with the construction profile

beConstruct is our new 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 both new and existing connectors.



Our new 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. Combining **beConstruct and b62 frames** in the same build opens countless design opportunities in the exhibit and event industry.



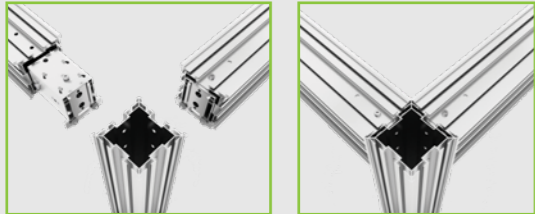
# The body

## 90° connector

Our 90° connector allows you to create right angles with 2 construction profiles.

**Patented design.**

Art. nr 710 30 0214



## Slot connector support

The slot connector support can be inserted into the construction profile prior to booth assembly. Always use the connector support 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 a 90° connector.

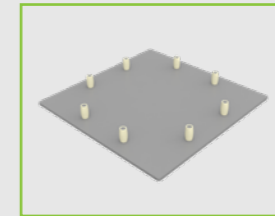
Art. nr 710 30 0217



## End piece

Add the finishing touch by capping off your beConstruct profile with the flush-fitting end piece.

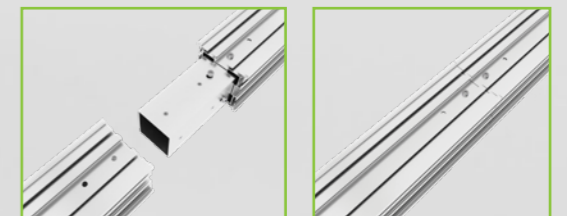
Art. nr 980 11 01 TG



## 180° connector

Connect 2 construction profiles for added length with our 180° connector. **Patented design.**

Art. nr 710 30 0215



## Construction profile

The construction profile offers a solution for medium spans.

Dimensions 124 mm x 124 mm

Art. nr 980 ++++ D4X V



## Mix and match with...

beConstruct is one of the primary building blocks for the beMatrix system. Unleash your creativity and create entirely new designs!

### Track Light profile

Easily and effortlessly add lighting to your designs. The beConstruct profile includes a built-in 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, and easily secure them.

Art. nr 11 261 00 +++++



### 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 or the BIG SAM Light and mount them with ease onto the construction profile!

Art. nr 710 30 0219



### Frames

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

Art. nr 901 830 001

Art. nr 901 2048 0066 E



### Lightbox / glass profile

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

Art. nr 710 30 0218



## Lightbox

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

Art. nr 710 30 0218



## Double Deck

Add additional spans of beConstruct to your Double Deck with our connector! By integrating beConstruct into your Double Deck design, your design possibilities are nearly limitless.

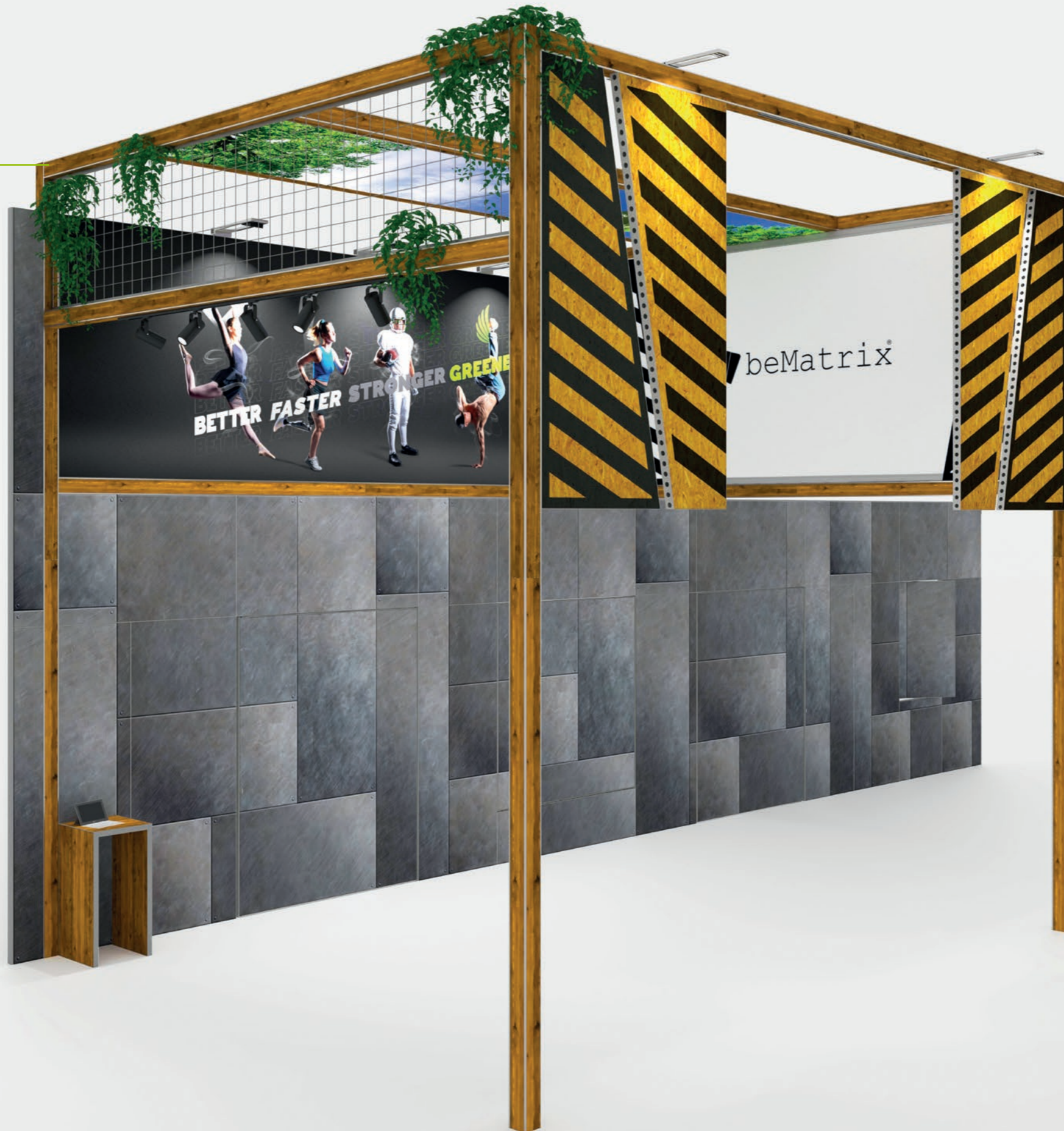
Art. nr 710 30 0216



# The skin

## Panels

Finish the 4 sides of the aluminum 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 emphasize 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.

Art. nr

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.

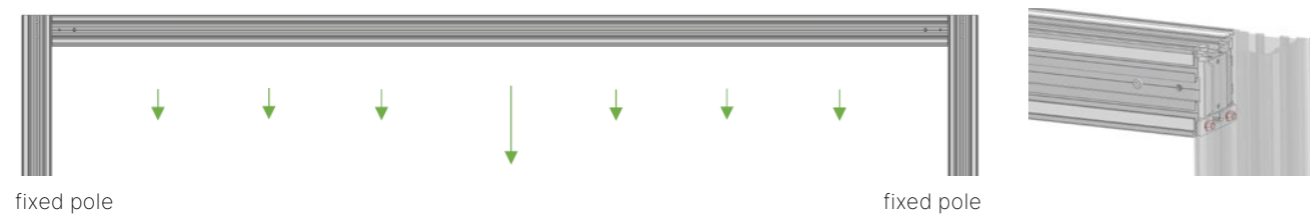
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710 30 0220



# Target load tables

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



Load limits and displacements:

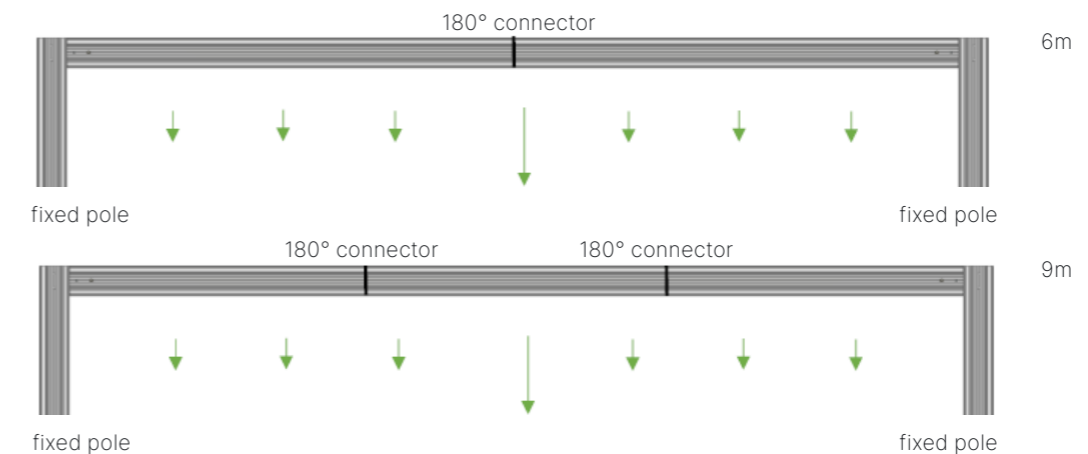
Length (m) / (ft)	UDL					CPL				
	(N/m)	(kg/m)	(lbf/ft)	(mm)	(in)	(N)	(kg)	(lbf)	(mm)	(in)
3 / 9.84	2.029 <sup>1</sup>	207 <sup>1</sup>	139 <sup>1</sup>	9.9	0.39	6.088 <sup>1</sup>	621 <sup>1</sup>	417 <sup>1</sup>	15.9	0.63
4 / 13.12	1.512 <sup>1</sup>	154 <sup>1</sup>	104 <sup>1</sup>	22.9	0.90	4.864 <sup>2</sup>	496 <sup>2</sup>	333 <sup>2</sup>	29.6	1.17
5 / 16.4	942 <sup>2</sup>	96 <sup>2</sup>	65 <sup>2</sup>	34.6	1.36	3.139 <sup>2</sup>	320 <sup>2</sup>	215 <sup>2</sup>	37.1	1.46
6 / 19.69	544 <sup>2</sup>	55 <sup>2</sup>	37 <sup>2</sup>	41.8	1.65	2.77 <sup>2</sup>	222 <sup>2</sup>	149 <sup>2</sup>	44.8	1.76

<sup>1</sup>Limited by the maximum allowable shear load on the positioning block.

<sup>2</sup>Limited by the connection.

- 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 compliance 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:

Length (m) / (ft)	UDL					CPL				
	(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

[Download the beConstruct manual.](#)



## 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 optimization and innovation initiatives ensure the system always complies with the market's demands.



### Top finishing

The beMatrix system comes with a large range of tools and accessories to finish your exhibit or event exactly the way you want. 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 design built with beMatrix combines the benefits of a modular system with the possibilities of made-to-measure solutions. Almost any shape, contour and construction is possible and can easily be created. One single frame allows you to create all different kinds of design concepts.



### Lightweight

The aluminum frame system is lightweight, ergonomic and eco-friendly. With our system, your transportation costs and CO2 emissions remain low.



### Fast

Assembly and disassembly of the beMatrix system takes hardly any time. Its lightweight, simplicity and tool free assembly save loads of time, leaving you space to focus on the finishing details of your design.

### 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 design 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 aluminum, so 100% recyclable and reusable without any quality losses.

### International network

Our bePartner network brings together high-quality providers of graphics and AV solutions. Each of our partners meet strict quality standards to ensure they provide you the best possible services.



**be strong**  **be stylish**  
**be anything.**

**Come say hi**

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