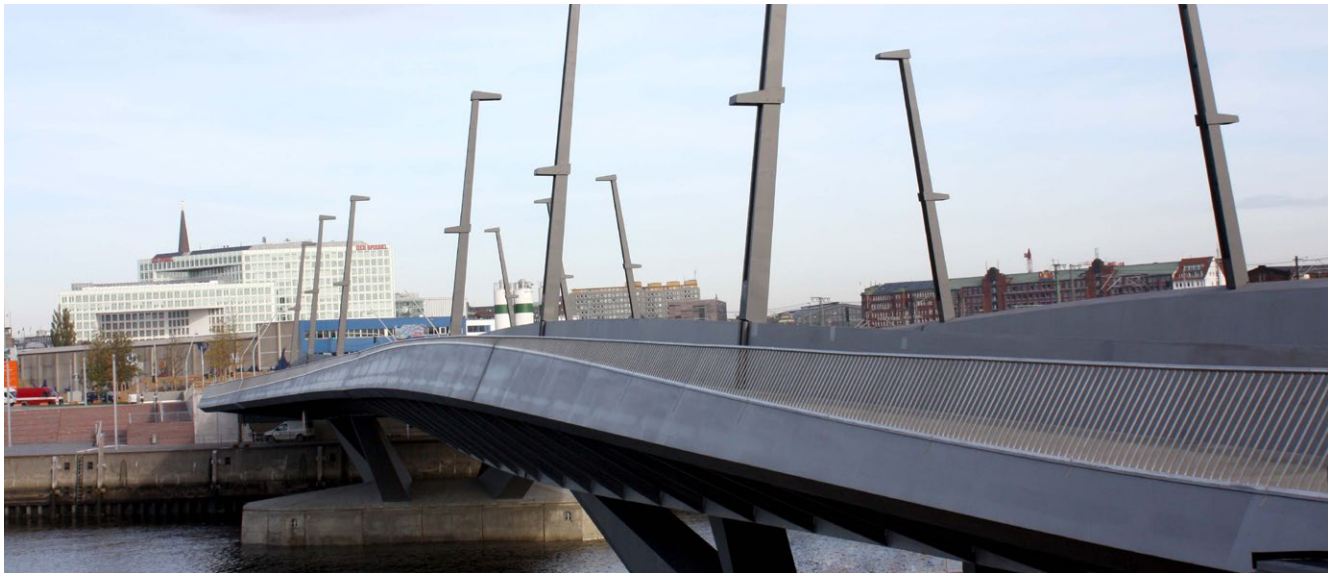
mageba

Baakenhafen Bridge (Germany)



Project description

The Baakenhafen Bridge is a 170 m long, 21 m wide and 2,300 t trapezoidal steel frame bridge with V columns. It is the largest bridge in HafenCity, which also marks the beginning of the development of eastern HafenCity.

The structure was designed by London architects, Wilkinson Eyre together with engineers BuroHappold (Berlin). Three lanes are dedicated to road traffic, whilst cyclists can also easily cross the bridge on both sides of the roadway.

The middle section of the bridge is movable, in order to enable large ships to travel through Baakenhafen.

In 2014, the bridge was nominated for the German Bridge Construction Award.

mageba scope

mageba supplied the following products for this landmark bridge:

- 4 LASTO®BLOCK elastomeric bearings of the types fixed, guided-sliding and free-sliding
- 4 RESTON®SPHERICAL bearings, with high-quality ROBO®SLIDE sliding material, of the types fixed, guided-sliding and free-sliding
- 26 m of TENSA®MAT type T80 mat joint
- 53 m of TENSA®MAT type T160 mat joint

Highlights & Facts

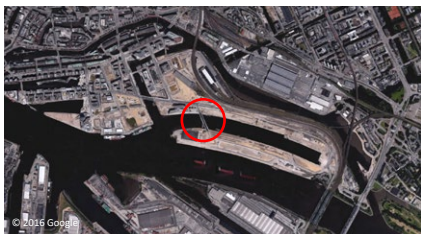
mageba Products:

Type:	LASTO®BLOCK elastomeric bearings RESTON®SPHERICAL bearings TENSA®MAT T80 and T160 mat joints
Installation:	2013

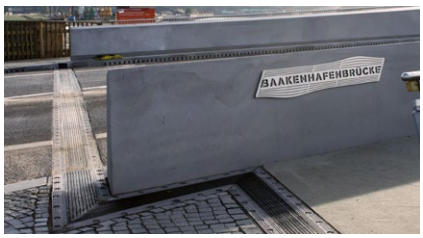
Structure:

City:	Hamburg
Country:	Germany
Type:	Trapezoidal steel frame bridge with V columns
Completion:	2013
Length:	170 m
Owner:	HafenCity Hamburg GmbH
Architect:	Wilkinson Eyre BuroHappold Ingenieurbüro GmbH

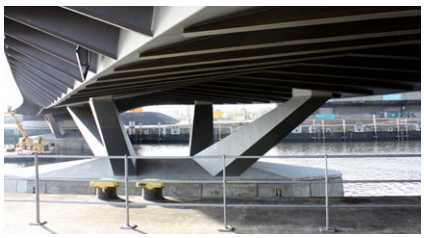
The Baakenhafen Bridge is situated in Hamburg, Germany



The mat joints are shaped to fit the given vertical and horizontal bends of the Baakenhafen Bridge



The bridge's V-beam is supported by elastomeric and spherical bearings



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