

Geumgang Pedestrian Bridge (South Korea)



Project description

The Geumgang Pedestrian Bridge, located in the administrative capital of South Korea in Sejong City, is a steel pipe truss bridge with a total length of 1,650 m and widths varying between 12-30 m, and was modelled after the city's circular structure. The total cost of the project was 97 million USD.

The bridge connects the central green space on the north side of the Guam River and the southern waterfront park that has three "living circles" or sub-centres dedicated to culture, municipal administration and education.

The bridge also acts as an architectural symbol for South Korea's history and culture. It was completed in 2021, and now to date, it is the longest pedestrian bridge in South Korea.

mageba scope

In order to meet the requirements of the client, it was decided to use mageba's modular expansion joints.

Due to the unique shape of the pedestrian bridge, the structure has various installation environments, that had to be considered during the planning stage of the joints too.

In total 120.3 m of TENSA®MODULAR expansion joints of type LR3 were installed in the pedestrian bridge, that are able to facilitate horizontal movements of up to 240 mm.

Beyond supplying the products, mageba's local experts in South Korea also provided installation supervision during the construction.

Highlights & Facts

mageba products:

Type: TENSA®MODULAR LR3 expansion joints

Installation: 2021

Structure:

City: Sejong City

Country: South Korea

Type: Pedestrian bridge

Completion: 2021

Length: 1,650 m

Owner: Korea Land & Housing Corporation

Contractor: Lotte Engineering & Construction

Engineer: Dasan Consultants Co., Ltd.

The project is located in Sejong City in South Korea



One of the modular joints during assembly in mageba's Chinese production facility



Lifting of a TENSA®MODULAR LR3 expansion joint on site

