

Taizhou Bridge (China)



Project description

The Taizhou Yangtze River Bridge links the cities of Taizhou, Zhenjiang, and Changzhou across Asia's longest river. At the point where the bridge is located, the river has a width of approximately 2.1 km.

In order to minimize impacts on river flow and navigation, a three-pylon (two main span) suspension bridge with spans of 390 m, 1,080 m, 1,080 m and 390 m was proposed.

The ambitious construction project represented the first attempt to create a long-span multi-tower suspension bridge, and the bridge won the 2013 Institution of Structural Engineers Supreme Award for structural engineering.

mageba scope

mageba supplied TENSA®MODULAR expansion joints for both ends of the bridge, with 18 individual gaps, facilitating movements of up to 1,440 mm.

The TENSA®MODULAR expansion joints were connected to the bridge structure by shear bolts. The installation team adopted butt welding during installation under the supervision of mageba.

The entire steel surface is coated with anti-skid material, ensuring high safety when driving in humid environments.

Highlights & facts

mageba Products:

Type: TENSA®MODULAR LR18 expansion joints

Installation: 2012

Structure:

City: Taizhou

Country: China

Completed: 2012

Type: Suspension bridge

Length: 2,940 m

Owner: Jiangsu Taizhou Bridge Co., Ltd

Contractor: CCCC SECOND HARBOUR ENGINEERING COMPANY LTD., CCCC Second

The Taizhou Yangtze River Bridge is located in eastern China



An 18-gap TENSA®MODULAR LR expansion joint is ready for installation



One of the TENSA®MODULAR expansion joints allowing 1,440 mm of movement under traffic

