

Chongqing Dongshuimen Yangtze River Bridge (China)



Project description

The Chongqing Dongshuimen Yangtze River Bridge is located in the city of Chongqing and connects the Yuzhong district with the Nan'an district. Official opening to traffic was in 2014.

The bridge acts as the urban secondary trunk road and starts from Tushan Road, Nan'an district, crosses the Yangtze River, leads through the Huguang Guild Hall and finally ends at Shan'xi Road, Yuzhong district.

It is a combined bridge including upper and lower decks. The main bridge is a double tower and single cable plane cable-stayed steel truss girder bridge with a main span of 520 m, a deck width of 21 m and an overall length of 1'000 m.

The Chongqing Dongshuimen Yangtze River Bridge is located in Chongqing City in southwest China



mageba scope

In 2013, mageba installed several TENSA®MODULAR expansion joints of type LR3 and LR8 as well as TENSA®GRIP RS single gap joints for the Chongqing Dongshuimen Yangtze River Bridge.

TENSA®MODULAR expansion joints allow free movements in all directions and rotations about every axis. The largest joints delivered, type LR8, can accommodate movements of up to 640 mm.

TENSA®GRIP RS single gap joints can facilitate movements of up to 80 mm. The joints consist of robust steel edge profiles and replaceable elastomeric sealing profiles, which ensure long-lasting watertightness. The drainage of the joints is accomplished by the drainage system of the bridge deck.

An 8-gap TENSA®MODULAR expansion joint ready for transport



Highlights & facts

mageba products:

Type: TENSA®MODULAR expansion joints of type LR3 and LR8
TENSA®GRIP RS single gap joints

Installation: 2013

Structure:

City: Chongqing
Country: China
Type: Cable-stayed bridge
Completed: 2014
Length: 1 km
Owner: Chongqing City Construction Investment Corporation
Contractor: MBEC
Architect: Liu Xiaohui
Designer: China Merchants Chongqing Communications Research & Design Institute; T. Y. Lin International

Detailed view of the displacement box welded on the steel box girder

