

3rd Nanjing Yangtze Bridge (China)



Project description

The 3rd Nanjing Yangtze Bridge was built in 2001 and is located in Nanjing, Jiangsu Province (China), 30 km upstream of the existing 2nd Nanjing Yangtze Bridge.

The structure consists of a cable stayed bridge, constructed from pre-fabricated steel segments, and two approach bridges of in-situ concrete. The whole structure has a total length of 15.6 km.

The cable stayed bridge crosses the Yangtze River, and its span width of 648 m and total length of 1,288 m made it the largest cable stayed bridge in China, and one of the largest in the world at that time. This span width was achieved using 45 pre-fabricated steel segments.

mageba scope

The maximum movement range of the LR13 modular expansion joint is 1,040 mm. Due to the size of this expansion joint, it was transported in parts from the mageba factory in Austria and assembled on site.

The expansion joint was also treated with a special anti-slip coating to increase driver safety in wet conditions.

Highlights & Facts

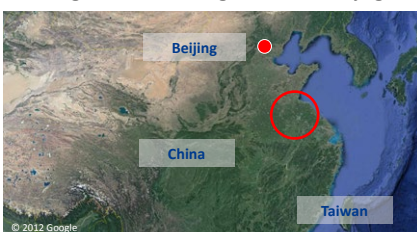
mageba Products:

Type:	TENSA®MODULAR type LR13
Features:	max. movement 1,040 mm
Installation:	2005

Structure:

City:	Nanjing
Country:	China
Built:	1997–2001
Type:	Cable-stayed bridge
Length:	1,288 m
Owner:	3rd Nanjing Yangtze Bridge Co., Ltd
Contractor:	Zhonggang Second Harbor Engineering Co., Ltd, Hu'nan Road & Bridge Construction Group Corporation
Designer:	CCCC Highway Consultants CO., Ltd

The bridge crosses the Yangtze River in Nanjing



Construction of the pylon in the beginning of the comprehensive project



Transporting the mageba modular expansion joint

