2nd Nanjing Yangtze Bridge (China)

Project description

With a population of six million people, Nanjing is one of the largest cities in China. Most inhabitants live on the south side of the Yangtze River. In 1968 the first bridge crossing over this river was built. Until a short time ago this was the only connection between the two parts of the city. In order to reduce traffic congestion, the 2nd bridge of Nanjing was built in 1997.

With a total length of 1,238 m the 2nd bridge of Nanjing was the longest cable stayed bridge in China, at that time. The carriageway deck of the 410 million dollar bridge is approximately 37 m wide and hosts 6 lanes of traffic.

mageba scope

The maximum movement capacity of the type LR20 lamella joint is 1,600 mm. Due to its heavy weight the assembly of the waterproof joint had to be done on site, on the bridge. In order to improve driving safety in wet conditions, the joint was coated with a special anti-skid surfacing.

Highlights & Facts

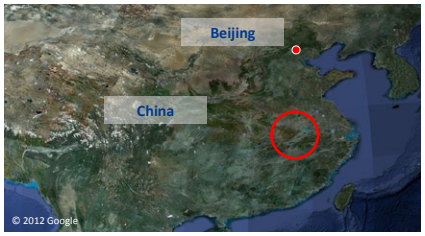
mageba Products:

Type:	TENSA®MODULAR expansion joints type LR20
Features:	max. movement 1,600 mm
Installation:	2000

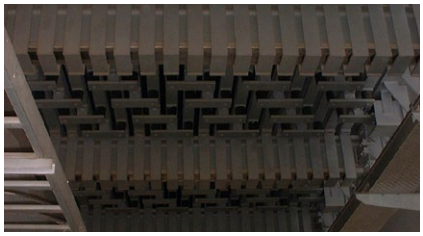
Structure:

City:	Nanjing
Country:	China
Built:	1997–2001
Type:	Cable-stayed bridge
Length:	1,238 m
Owner:	Construction Commaning Headquarters of Second Nanjing Yangtze Bridge
Contractor:	Hunan Road & Bridge Construction Group Corp.
Engineer:	CCCC Highway Consultants Co., Ltd

The Bridge crosses the Yangtze River near Nanjing



Movements and rotation in all three dimensions are possible



Safe and comfortable run-over across the mageba modular joint type LR20

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