

# Nissibi Euphrates Bridge (Turkey)



## Project description

The Nissibi Euphrates Bridge is a cable stayed bridge spanning the Lake Atatürk Dam on the Euphrates River at the provincial border of Adıyaman–Siverek in south-east Turkey.

The former bridge was flooded during the construction of the reservoir in 1992. Consequently, the traffic between Adıyaman and Diyarbakır was diverted and a ferry service opened in order to maintain traffic.

As the travel time had to be reduced, the target was to bypass the existing detour by projecting a new bridge. This project also had the aim to shorten the route of about 60 km. The 610 m long cable-stayed bridge opened in May 2015.

## mageba scope

mageba supplied 2 units of 23.9 m TENSA®MODULAR expansion joints of type LR10.

These joints accommodate movements in every direction and rotation about every axis. They also form a watertight system which was invented by mageba several decades ago.

Moreover, a special cover plate design between both bridge decks were installed hence assuring a safe utilisation of the footpath to the pedestrians.

All joints are designed to accommodate movements of a total of 800 mm in longitudinal direction and 300 mm in transversal direction.

## Highlights & facts

### mageba products:

Type: TENSA®MODULAR expansion joints of type LR10  
Installation: 2015

### Structure:

City: Kahta, Adıyaman–Siverek  
Country: Turkey  
Type: Cable Stayed Bridge  
Built: 2012–2015  
Length: 610 m, longest span 400 m  
Owner: Ministry of Transport, Marine and Communications, General Directorate of Highways and Motorways of Turkish Republic  
Contractor: Gülsan Insaat A.S  
Engineer: WIECON CO. LTD.

The bridge crosses the Lake Atatürk Dam on the Euphrates River in south-eastern Anatolia



A TENSA®MODULAR expansion joint, made in mageba's production facilities, during loading



The bridge's piers under construction

