

# Lali Bridge (Iran)



## Description of the project

With the construction of the Gotvand Dam in the Kuzestant Province in south-east Iran, a reservoir several kilometres long was created on the river Karun. This necessitated the construction of a new bridge on the road from Lali to Masjed Loleyman in the south-west of the country. The cable-stayed bridge traverses the valley with spans of 100 m, 255 m and 100 m length. The pylons have a height of 150 m (60 m above the deck). The cable system is conceived as a modified fan, providing adequate stiffness for traffic loading. Seismic considerations were important in the bridge's design.

## mageba scope

Two TENSA®MODULAR expansion joints of type LR8 (with 8 gaps each) were required, with a longitudinal movement capacity of 640 mm. To avoid the need for butt-welding on site, the joints were transported from the factory in Shanghai on flat racks.

mageba also supplied 24 large LASTO®BLOCK elastomeric bearings to support the bridge's deck. 16 of these low-maintenance bearings were of type B (with only internal steel) with dimensions 500 × 600 × 40 mm, and 8 were of type C (with external connection plates vulcanised into their upper and lower surfaces) with dimensions 900 × 900 × 242 mm.

## Highlights & facts

### mageba products:

Type: TENSA®MODULAR expansion joints (LR8)  
LASTO®BLOCK bearings (types B and C)

Installed: 2010

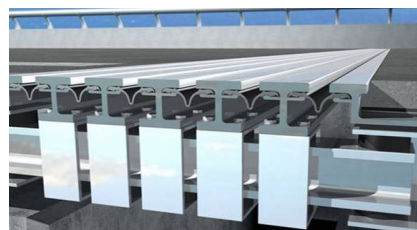
### Structure:

City: Chuzestan  
Country: Iran  
Built: 2007–2010  
Type: Cable-stayed bridge  
Length: 455 m

The bridge is located on the road between Lali and Masjed Soleyman



Deck movements are facilitated by 8-gap TENSA®MODULAR expansion joints at each end



LASTO®BLOCK bearings ready for transport

