

Ramstore Bridge, Astana (Kazakhstan)



Project description

The Ramstore Bridge, in Astana, Kazakhstan, was built between 2007 and 2008 to cross the Ishim River. Its deck is suspended by cables from a single arch, which spans diagonally across the deck from one side at one abutment to the opposite side at the other abutment. A soil bund was constructed in the river to enable the deck segments to be supported on a temporary steel structure during the bridge's construction. With a span of 180 m, the bridge's innovative design makes it a prominent and attractive feature on the Astana skyline.

mageba scope

mageba supplied a diverse range of products for the construction of the bridge, including bearings, expansion joints and dampers.

TENSA®MODULAR expansion joints of type LR3 (with 3 movement gaps, allowing 240 mm of movement) were supplied for each end of the deck.

RESTON®SPHERICAL bearings, each with a vertical load-carrying capacity of 8000 kN, were supplied to support the deck (two at each end).

RESTON®SA dampers, designed for a force of 750 kN and movements of ± 150 mm, were supplied to control the deck's movements at each end.

Highlights & facts

mageba products:

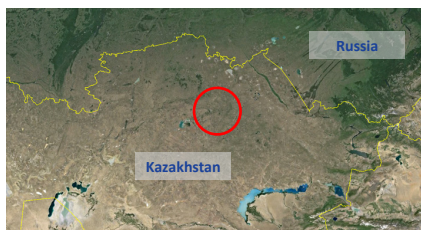
Type: RESTON®SA dampers
RESTON®SPHERICAL bearings
TENSA®MODULAR expansion joints

Installation: 2008

Structure:

City: Astana
Country: Kazakhstan
Completed: 2008
Type: Arch bridge
Length: 180 m

The Ramstore Bridge is located in Astana, Kazakhstan



Installation of a RESTON®SA damper



Installation of a TENSA®MODULAR expansion joint

