Mosoni-Danube Bridge (Hungary)

Project description

The Mosoni-Danube Bridge has been built as part of the 3rd phase of the Eastern by-pass around the Hungarian town of Győr. This is the second crossing on the Danube connecting Slovakia and Hungary.

Since the bridge crosses a nature reserve the technologies used were carefully selected in order to minimized the environmental impact of the construction.

The deck of the bridge is 16.7 m wide and carries 2×2 road lanes and pavements for pedestrians on both sides.

The bridge's full length is 180 m and features a height of 28 m. Its steel framework alone weighs about 2000 tons with all the structures excluding pavement.

mageba scope

The bridge spans over three sections: two sections over the floodplain and in between them is the main section, which is located above the riverbed itself.

Four pieces of RESTON®SPHERICAL bearings of types KA, KE and KF were installed under the main section where space was limited, whereas the floodplain sections were fitted with 16 LASTO®BLOCK elastomeric bearings.

To facilitate the bridge's deck movements mageba supplied three TENSA®MODULAR expansion joints of type LR2, LR3 and LR5. Two expansion joints were installed at the two ends of the main section, and one was built in at the south end of the longer floodplain section of the structure.

Highlights & Facts

mageba Products:

Type:	RESTON®SPHERICAL spherical bearings of types KA, KE and KF
	LASTO®BLOCK elastomeric bearings
	TENSA®MODULAR expansion joints of types LR2,LR3 LR5
Installation:	2017

Structure:

City:	Győr
Country:	Hungary
Type:	Tied-arch bridge
Built:	2017–2018
Length:	180 m
Owner:	Nemzeti Infrastruktúra Fejlesztő Zrt.
Engineer:	RODEN Mérnöki Iroda
Contractor:	SHS Consortium

The bridge is located in Northwest Hungary

One of the installed RESTON®SPHERICAL bearings after coating in the factory

An installed RESTON®SPHERICAL bearing of type KF

mageba sa - Solistrasse 68 - 8180 Bülach - Switzerland - T +41 44 872 40 50 - info@mageba.ch