

# Vasszentmihály Viaduct (Hungary)



## Project description

The Vasszentmihályi Viaduct on the M8 motorway is one of the longest motorway bridges in Hungary that passes the village of Vasszentmihály from the north.

This route is planned to be linked with the S7 motorway in Austria at the borders of the two countries. The construction works of the viaduct began in 2018 and it is planned to be opened for traffic in 2021.

Since the bridge itself is located in a bend of the highway, its structure also follows a curved line. It features 11 pillars with a height of 22 m each in order to cross the valley and the country road between the villages of Nemesmedves and Vasszentmihály.

## mageba scope

The bridge's superstructure is supported by 22 RESTON®SPHERICAL bearings with a vertical load capacity of 11,500 kN and delivered with the European CE label.

The bearings were installed by mageba, following eleventh-hour modifications to the fully manufactured bearings to accommodate changes in the bridge's construction.

In addition to the bearings, 2 TENSA®MODULAR LR5 expansion joints were also designed and manufactured.

The expansion joints were designed with 5 movement gaps to accommodate total movements of up to 400 mm.

## Highlights & Facts

### mageba Products:

Type: RESTON®SPHERICAL bearings  
TENSA®MODULAR LR5 joints

Installation: 2020–2021

### Structure:

City: Vasszentmihály  
Country: Hungary  
Type: Single box girder bridge with concrete deck

Built: 2018–2021

Length: 575 m

Owner: Nemzeti Infrastruktúra Fejlesztő Zrt.

Contractor: A-Híd Zrt

The viaduct is located close to the Austrian border



Installed RESTON®SPHERICAL bearing with displacement measuring scale



Close view of an installed bearing

