

Čortanovci Viaduct (Serbia)



Project description

The construction of this new high-speed 350-kilometre railway line between Budapest and Belgrade started in 2019, as the first stage of a route that will ultimately be extended all the way to the Mediterranean in Athens, Greece.

The project is being part-financed by Beijing as part of China's Belt and Road initiative, its global infrastructure development strategy of investing in nearly 70 countries with a strong focus on transportation infrastructure.

On the first 80-kilometre-long section of the line to be constructed, the most impressive structure is at Kilometre 59 – a fine new viaduct that is 3,300 m long and up to 26 m high.

mageba scope

The bearings installed on each of the viaduct's many piers required to be designed to satisfy the varying requirements in terms of loads, movements and rotations.

Overall, mageba supplied approximately 300 bearings of various types for this structure including RESTON®SPHERICAL bearings, LASTO®BLOCK elastomeric bearings and RESTON®FORCE shear keys, that were designed for loads of between 3,000 kN and 30,000 kN, and for movements of up to 600 mm.

In addition, mageba also provided installation supervision and training as required.

Highlights & Facts

mageba Products:

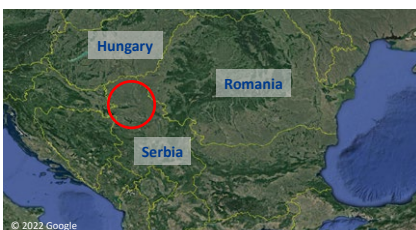
Type: RESTON®SPHERICAL and LASTO®BLOCK bearings
RESTON®FORCE shear keys

Installation: 2021

Structure:

City: Novi Sad
Country: Serbia
Type: Railway bridge
Length: 3,300 m
Owner: Serbian Railways
Architect: CIP institute Serbia
Contractor: Russian Railways

The structure is situated in the northern part of Serbia, near the town of Novi Sad



Over 300 bearings were supplied for the viaduct



Installed RESTON®SPHERICAL bearings on one of the piers of the bridge

