

# Overpasses on the Big Kazan Ring Road (RU)



## Project description

The Big Kazan Ring Road is an infrastructure development project in the Russian city of Kazan, also known as the “3rd Capital of Russia”.

The overpass, which includes 3 parallel pre-stressed reinforced concrete bridges with 3 spans each, is an important and long-awaited section that completes the Ring Road.

After winning the tender, mageba was commissioned to design and manufacture expansion joints and structural bearings for the overpass within quite a short time frame.

## mageba scope

The manufacturing of the required products took place in two locations.

The 24 installed RESTON®SPHERICAL bearings featuring anchor plates were produced at mageba’s Shanghai factory, while the 4 TENSA®GRIP RS-LS100 single gap joints (each measuring 13.1 m) along with the 2 TENSA®RAIL RSU 50 and 100 joints (each measuring 9 m) were produced in the Saint-Petersburg facility of mageba in Russia.

These latter products were necessary due to the overpassing tram rails and were installed under the rail ballast with sliding cover sheets to keep the ballast out from the joint’s gap.

The supplied TENSA®GRIP joints were delivered with noise-reducing sinus plates, since the overpass is situated in a densely inhabited area.

## Highlights & facts

### mageba products:

Type: RESTON®SPHERICAL bearings  
TENSA®GRIP RS-LS and  
TENSA®RAIL RSU expansion joints

Feature: Noise reducing sinus plates

Installation: 2020

### Structure:

Country: Russia

City: Kazan

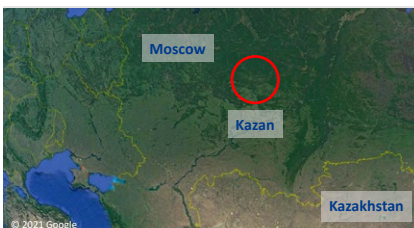
Type: Pre-stressed RC-bridge

Length: 109.7 m

Owner: Municipal public institution “Committee of External Improvement”

Contractor: “Mosty Respubliki Tatarstan”, OJSC

The project is located in Kazan, Russia



TENSA®GRIP RS-LS100 joints ready for shipping



Lifting one the TENSA®GRIP RS-LS100 joints to its final position

