

Puente San Roque (Argentina)



Project description

With a total length of 310 meters and over 50 meters high, this beautifully designed arch bridge over San Roque lake is being constructed to form part of the Costa Azul highway near Cordoba in central Argentina.

mageba scope

To enable the structure to efficiently and safely withstand the forces transmitted at the bridge's abutments, it is being equipped with 12 RESTON®SA shock absorbers.

These dampers were designed with the peculiarity of being required to work only in compression (with tension forces not arising), in order to avoid overloading the soft soil of the hills at each end of the bridge.

They are designed for a maximum compression force of 981 kN and a maximum stroke of +/- 200 mm.

Highlights & Facts

mageba Products:

Type: RESTON®SA shock absorbers

Installation: 2019

Structure:

City: Córdoba

Country: Argentina

Type: Arch bridge

Length: 310 m

Built: 2019

Contractor: Astori Estructuras

The elegant bridge crosses San Roque Lake near the Argentinian city of Córdoba



Close-up view of one damper immediately prior to installation



Installation of RESTON®SA shock absorbers (fluid viscous dampers) at one end of the bridge

