

Vistula River Bridge, Grudziądz (Poland)



Project description

The Vistula River Bridge near the city of Grudziądz in Poland carries a major national motorway across Poland's longest river. The structure, which opened to traffic in 2011, is the longest bridge of its kind in Poland, with a total length of almost two kilometres. The main part of the bridge, excluding approaches at each end, has a main span of 180 m and side spans of 110 m each. The northern approach has 21 spans and the southern one has 12 spans, each approximately 50m long. The main span was constructed by the cantilever method (overhang concrete pouring).

mageba scope

In 2010, mageba supplied four TENSA®MODULAR expansion joints for the construction of this bridge – two with eight movement gaps each for one end of the bridge, and two with nine gaps each for the other end. All of the joints feature noise-reducing surface plates ("sinus plates") which provide a continuous driving surface, avoiding wheel impacts and thus minimising the noise from over-rolling traffic. The mageba designations LR8-LS and LR9-LS indicate, with the suffix "LS", that the joints feature noise-reducing surfacing.

Highlights & facts

mageba products:

Type: TENSA®MODULAR expansion joints (LR8-LS and LR9-LS)

Features: Noise-reducing surface

Installation: 2010

Structure:

City: Grudziądz

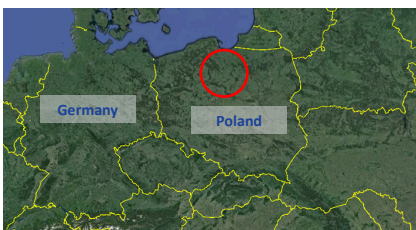
Country: Poland

Completed: 2011

Type: Post-tensioned PSC

Length: 1954 m

The bridge crosses the Vistula River close to the town of Grudziądz in northern Poland



Construction of the bridge in 2010



A TENSA®MODULAR joint of type LR9-LS (with noise-reducing surface plates), as installed

