

# A1 Motorway Bridges, Maciejów (Poland)



## Project description

Autostrada A1, the Polish part of European route E75, stretches the length of Poland from the northern Baltic coast to the Czech border in the south with a length of 568 km. The motorway was newly constructed or re-constructed along its entire length in recent years, and mageba played a part in the construction of many of its bridges.

The section between the towns of Piekary Śląskie in southern Poland and Maciejów in central Poland contains many bridges, a number of which were constructed using mageba products.

## mageba scope

mageba supplied a large number of TENSA®MODULAR expansion joints for the construction of the bridges on this section of motorway. These included 24 large joints with nine movement gaps or more, among others: twelve joints of type LR12 (with 12 gaps per joint), two joints of type LR11, six of type LR10-RW and four of type LR9. The six joints of type LR10-RW are railway bridge expansion joints (as indicated by the suffix "RW"). These are designed for the particular demands of railway bridges, where ballast stones would block the gaps of a normal modular joint, and loading is very high.

## Highlights & facts

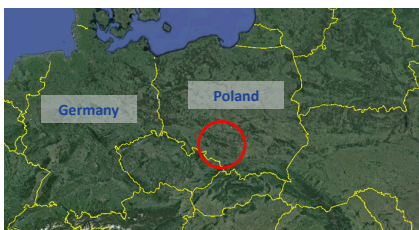
### mageba products:

Type: TENSA®MODULAR expansion joints (LR12, LR11, LR10, LR9, LR4)  
Features: Railway bridge joints  
Installation: 2011-2012

### Structures:

Located on: A1 motorway  
Country: Poland  
Completed: 2012  
Type: Various  
Contractor: DRAGADOS S.A.  
Owner: GDDKIA

The bridges are on Poland's A1 motorway between Piekary Śląskie and Maciejów



Preparation for lifting of a TENSA®MODULAR joint (type LR12) into position on the bridge



A TENSA®MODULAR joint of type LR12 during installation

