

# BAB 44 Wehretal Bridge (Germany)



## Project information

As one of the last significant west-east connections in northern Hesse, the BAB 44 has been built from Kassel to the east in order to provide a direct connection from the Ruhr region to Dresden.

The motorway runs through a topographically challenging terrain therefore during its construction a large number of tunnels and valley bridges were required.

The Wehretal Bridge is one of the largest and most demanding bridge structures of the section under construction.

The bridge consists of two separate superstructures and connects the Trimmberg Tunnel with the Spitzenberg Tunnel.

## mageba scope

mageba supplied spherical bearings as well as modular expansion joints, equipped with noise reducing sinus plates.

To connect the bridge sections, mageba installed TENSA®MODULAR LR4-LS, LR7-LS and LR8-LS expansion joints with maximum longitudinal movements of up to 740 mm.

In addition, 53 RESTON®SPHERICAL spherical bearings were also supplied with a maximum vertical load capacity of 17,500 kN.

## Highlights & facts

### mageba products:

Type: TENSA®MODULAR LR-LS expansion joints  
RESTON®SPHERICAL bearings

Installation: 2017–2019

### Structure:

Country: Germany  
City: Wehretal  
Type: Reinforced concrete bridge with two separate superstructures

Completed: 2020

Main span: 67.5 m

Length: 668.6 m

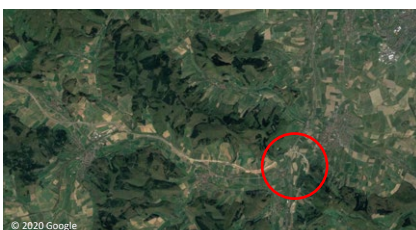
Completion: 2016

Owner: Bundesrepublik Deutschland

Contractor: Züblin Hoch- und Brückenbau

Engineer: Kinkel und Partner

The bridge is located in northeastern Hesse, Germany



A TENSA®MODULAR Type LR8-LS100 expansion joint during installation



RESTON®SPHERICAL bearings installed

