

Jakai Roundabout Overpasses (Lithuania)



Project description

Between 2008 and 2012, one of Lithuania's most important highway junctions, a roundabout with diameter of 300 m that connects six roads, was reconstructed. Following completion of the work, the roundabout is now crossed overhead by a viaduct of length 610 m, with further bridges enabling free-flowing traffic in other directions and creating a three-level interchange.

The junction forms the north end of European highway E85, which connects the Baltic and Mediterranean Seas via Lithuania, Belarus, Ukraine, Romania, Bulgaria and Greece.

mageba scope

mageba supplied a large number of RESTON®SPHERICAL bearings and TENSA®MODULAR expansion joints for the redevelopment of this highway junction. For the construction of the main flyover in 2009, 98 RESTON®SPHERICAL bearings (designed for vertical loads of up to 11,000 kN) were supplied, along with 53 m of TENSA®MODULAR expansion joints (types LR2 and LR3). For the second phase in 2011/2012, 51 RESTON®SPHERICAL bearings (designed for loads of up to 14,000 kN) and 43 m of TENSA®MODULAR expansion joints (types LR2 and LR3) were also supplied.

Highlights & facts

mageba products:

Type: 149 RESTON®SPHERICAL bearings (up to 14 MN),
8 TENSA®MODULAR joints (LR2, LR3)

Installation: 2009 - 2012

Structure:

City: Klaipeda
Country: Lithuania
Completed: 2012
Type: Girder road bridges
Length: 610 m
Designer: Kelprojekta
Contractor: Kauno Tiltai

The roundabout is at the intersection of the A1 and A13 highways in western Lithuania.



Assembly of a typical RESTON®SPHERICAL bearing, showing its calotte and sliding surfaces.



Installation of two TENSA®MODULAR expansion joints, end to end, at one bridge axis.

