

# Viaduct Dole (Slovenia)



## Project description

Viaduct Dole is a concrete motorway structure in Slovenia, that carries Highway A2 across a wide valley. It was completed in 2010, forming a new connection between the cities of Trebnje and Novo Mesto. The viaduct consists of two parallel structures, each 330 m long and with ten spans. It was constructed using the incremental launching method (ILM). Given the moderate span length of approximately 32 m, a box girder design featuring straight prestressing tendons in the lower slab was chosen to accommodate the effects of live loading.

## mageba scope

mageba supplied both the bearings and the expansion joints required in constructing the viaduct.

TENSA®MODULAR expansion joints of type LR3, with 3 gaps and allowing longitudinal movements of 240 mm, were installed at each end of each structure to accommodate all deck movements and rotations.

RESTON®POT bearings, 40 in total, with load capacities of up to 10,250 kN and featuring the CE label (confirming compliance with the European standard EN 1337), were supplied to support the decks.

## Highlights & facts

### mageba products:

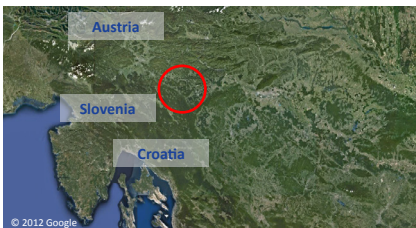
Type: TENSA®MODULAR expansion joints of type LR3  
RESTON®POT bearings

Installation: 2009

### Structure:

City: Novo Mesto  
Country: Slovenia  
Completed: 2010  
Type: Box girder bridge  
Length: 330 m  
Contractor: Primorje Plc

Viaduct Dole is located near Novo Mesto (Slovenia) on Highway A2



A RESTON®POT guided sliding pot bearing, with bellows-type dust protection of sliding sheet



A TENSA®MODULAR expansion joint (Type LR3, with 3 movement gaps) during installation

