

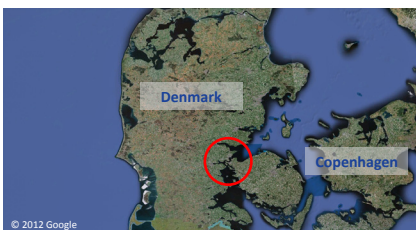
# Lillebaelt Bridge (Denmark)



## Project description

The combined sections of the bridge span 1700m with individual span lengths of up to 600m between the pylons. The bridge was constructed between 1965 and 1970 to connect the cities of Jylland and Fynn. It is one of the main traffic routes between Germany and the Danish capital of Copenhagen and is, consequently, one of the most heavily trafficked bridges in Europe. The original roller shutter joints installed to absorb movements of the bridge were deteriorating and during the 1990's were subject to frequent repairs. That was when the Danish Road Authority decided to remove the existing roller shutter joints and replace them with new modern modular expansion joints. mageba was awarded with the contract for replacement of joints in the year 2002 and completed the job 1 year later.

The bridge is the main road connection between Germany and Copenhagen



## Delivered products

The refurbishment involved replacing the existing roller shutter joints with twelve new mageba modular expansion joints. The new installations on each side of the carriageway included two modular expansion joints with an expansion capacity of 320mm (LR4), two modular expansion joints with an expansion capacity of 560mm (LR7) and two modular expansion joints with an expansion capacity of 1280mm (LR16).

The replacement of the joints was carried out in 2 phases, whereby each phase was limited to 8 weeks, minimising the disturbance of traffic flow.

Delivery of the modular expansion joint



## Highlights & facts

### mageba-products:

Type:	TENSA®MODULAR type LR7 / LR16
Features:	max. movements 560 mm / 1280 mm
Installed:	2003

### Bridge:

City:	Middelfart
Country:	Denmark
Built:	1965-1970
Type:	Suspension bridge
Length:	1'700 m

LR16 mageba modular expansion during installation

