

Bangkok MRT Red Line (Thailand)



Project description

The MRT (Mass Rapid Transit) red line in Bangkok is part of the MRT master plan for the Bangkok metropolitan region. With a total length of 26.3 km, the red line is planned to run from Bang Sue to Rangsit and Bang Sue Stations, bringing passengers to the north.

The construction project is part of the infrastructure investment programs led by the Thai Government.

Moreover, the master plan comprises a 26.4 km long line to the north (North Line) and 14.6 km long line to the west (West Line) providing a fully elevated rail system.

mageba scope

In 2015, mageba manufactured more than 5'000 RESTON®SPHERICAL bearings. The installation schedule runs from 2015 to 2017.

The bearings are designated of types KF, KE or KA, depending on their ability to accommodate sliding movements.

As the bearings are installed in this high-dynamic stressed railway bridge, the requirements in terms of assuring zero friction for smooth transmission of horizontal forces had to be fulfilled.

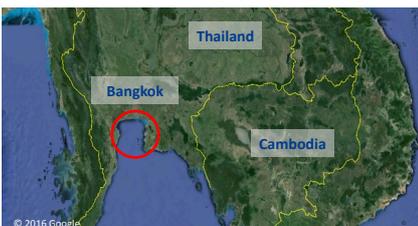
A further peculiarity features the precast-segment structure that makes great demands on the type of connection to be used.

Highlights & Facts

mageba products:

Type:	RESTON®SPHERICAL bearings of type KA, KE and KF
Features:	With ROBO®SLIDE high-grade sliding material
Installation:	2015–2017
Structure:	
City:	Bangkok
Country:	Thailand
Type:	Mass transit system
Owner:	Ministry of Transport State Railway of Thailand
Designer:	Team Consulting Engineering and Management Company NorCiv Engineering Co., Ltd

The MRT red line is located in Bangkok, the metropolitan region of Thailand



RESTON®SPHERICAL bearings packed and ready for delivery



Load testing of the RESTON®SPHERICAL bearings

