

Bandra Worli Sea Link (India)

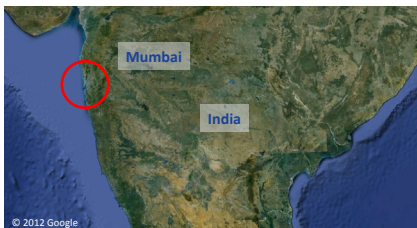


Project description

Forming a much needed new link between the island city of Mumbai and its populous western suburbs, the 5.6km long Bandra Worli Sea Link includes the 600m long single tower cable stayed Bandra Bridge with 250m main spans and the 350m long Worli Bridge, also with a single central tower and main cable stayed spans of 150m. Eight lanes of traffic, including two dedicated bus lanes, run on the twin precast concrete box girder bridge decks. High strength concrete containing microsilica slurry is used throughout. Foundations for the main towers are 2m diameter drilled shafts 25m deep.

Mumbai and its suburbs have a total population approaching 13M, making it the second most populous conurbation in the world after Shanghai. The new crossing

Mumbai and its suburbs form the second largest city in the world



will relieve traffic pressures on the highly congested Mahin Causeway, where it can take peak hour commuters 40 minutes to cover the 8km of causeway.

Delivered products

No less than 26 TENSA®MODULAR expansion joints were needed for this project, ranging from the LR2 version up to the LR6 with a maximum capacity of 480mm longitudinal movement. In addition, 126 DISKTRON® bearings (Vmax = 14,000kN) and hundreds of elastomeric bearings were supplied for this extraordinary bridge structure.

Construction of a cable stayed span on the Bandra Worli Sea Crossing



Highlights & facts

mageba-products:

Type:	26 TENSA®MODULAR type LR2 - LR6 126 DISKTRON®-bearing
Features:	max. movement 480 mm Vmax. 14'000 kN
Installed:	2009
Bridge:	
City:	Mumbai
Country:	India
Built:	2000-2010
Type:	A pylon cable-stayed bridge
Length:	600 m

Production of the DISKTRON® bearings (in association with R.J.Watson of USA)

