

SUCCESS STORY

STATIC BEARING FOR BUILDING

EDGE East Side Berlin, Germany

PROJECT DATA

Brief description

Structural support for a 35-storey and 140 m high building complex, the „EDGE East Side Berlin“, to maintain its value and building safety for the entire lifetime.

Requirement

Protection of the supporting structure by absorbing rotations up to 40‰ and loads up to 3000 kN.

Country, year

Berlin, 2022-2023

PROJECT DESCRIPTION



A 35-storey, 140 m high building with 80,500 m² of floor space is being built in the centre of Berlin by 2023: EDGE East Side Berlin. Particular importance was attached to sustainable construction in this project. The company Amazon occupies the majority of the office floors as anchor tenant, giving the building the nickname „Amazon Tower“. Centric load introduction into the columns with simultaneous absorption of the occurring rotations of the ceiling, caused by the span width and the load on the ceiling parts, must be guaranteed to protect against damage.

SOLUTION

The elastomeric bearings from Calenberg, which are approved by the building authorities, protect the supporting structure. Hundreds of Compact bearings S 65 and Perforated bearings™ Type Z have already been delivered and partly already installed between the columns and the connecting structures. Loads of up to 3000 kN per bearing and rotations of up to 40 ‰ are easily absorbed by our bearings. The high fire protection requirements were met by sheathing with sleeves made of Calenberg Ciflamon.



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