

Car park Hallenstadion (Switzerland)



Project description

Extensive refurbishment work was carried out in the multi-storey car park "Messe Zurich Hallenstadion" in Zurich.

One measure concerned the support of the Hoesch-Additiv ceiling ribs with folding beams. The support has to be elastic, but at the same time very small tolerances in terms of short and long-term creep as well as dimensional accuracy are required. In addition, the bearing should also be able to accommodate rotations despite the thin layer thickness.

mageba scope

A total of 14,170 units of LASTO®BLOCK F with special design requirements were delivered.

The limited vertical deformation and rotational capacity requested were met by the bearing's specially adapted layer thickness.

Due to the exposure of the bearings it was also essential to use stainless steel for the reinforcement of the elastomeric bearings.

The product solution convinced with its ability of combining the stainless steel with the elastomer as well as the specially used elastomeric compound allowing predictions of the creep deformation.

Highlights & Facts

mageba Products:

Type: LASTO®BLOCK F
Installation: 2017

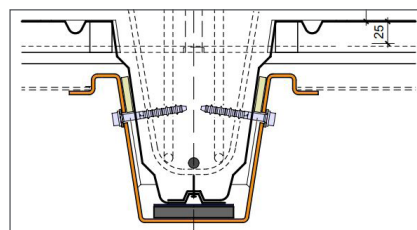
Structure:

City: Zurich
Country: Switzerland
Type: Car park
Completed: 2018
Contractor: Schneider Stahlbau AG
Engineer: Peter Bachmann Ingenieurbüro

The car park is located in Zurich, Switzerland



Construction detail of the bearing with ceiling rib



Bearing in installed condition under the ceiling ribs

