## The Coliseum Restoration



A solution for the connection of the steel reinforcement plates to the existing columns was therefore required.

Hollo-Bolts connected reinforcement plates to the columns

# The Coliseum Restoration

### **Design Solution**

The engineer decided to specify Hollo-Bolt by Lindapter, an expansion bolt that requires access to only one side of a Structural Hollow Section (SHS). Hollo-Bolt was chosen as it offered significant benefits including, fast installation, high strength capacity, and a range of independent technical accreditations, which include the CE Mark, TÜV and ICC-ES Seismic approvals.

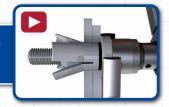




#### Installation

The contractor used size M20 hexagonal head Hollo-Bolts to connect the steel reinforcement plates to the original steel channels of the columns. Installation was carried out from the exposed sides of the columns where there was free access. Each bolt was tightened with a torque wrench to the recommended tightening torque to provide the necessary clamping force.

**Click here** to watch the installation video >>>



#### Result

The specification of Hollo-Bolts provided the necessary reinforcement to the columns. This allowed the rest of the structure to be restored and repaired with the venue officially re-opening in 2019 with a ceremonial ribbon cutting event performed by Illinois Governor J.B. Pritzker.



Hollo-Bolts provide high strength capacities

## **Key Benefits**

- ✓ Fast, cost saving installation from one side
- ✓ Suitable for square, rectangular and circular hollow sections
- Seismic approved for SDC A through F
- ✓ High resistance to shear and tension











Click here for more details

