



LONDON HEATHROW AIRPORT HILTON HOTEL

CUSTOMER: O'REILLY CONCRETE
CLIENT: LARNE BOROUGH COUNCIL

PROJECT: LONDON HEATHROW AIRPORT HILTON HOTEL
PRODUCT(S) SUPPLIED: BT TURNBUCKLE

OVERVIEW

SDG worked along with O'Reilly Concrete Group and BT Innovation in order to supply London Heathrow Airports Hilton Garden Inn Hotel with the Turnbuckle.

The Hilton Garden Inn Hotel with 15 storeys and an overall height of 47.60m directly adjacent to Terminal 2 at London's Heathrow Airport.

Whilst the first three storeys were constructed using the cast-in-situ method, the remaining 12 storeys were erected using exclusively precast concrete elements.

BT Innovations Turnbuckle was used in the assembly of the outer wall elements which were manufactured and assembled by O'Reilly Concrete Group. They installed a total of 1,200 BT Turnbuckles – four per outer wall element.

The Turnbuckle acting as part of a tensioning system that includes bolted joints and anchors recessed in the precast concrete elements. It enables the economical, simple, precise assembly and permanent structural connection of precast concrete elements. In the case of predominantly static loads in the pulling and shear directions.

