

## Case Study

**Service: M64 Anchor Proof Load Test**

**Location: 21-31 New Oxford Street**

**Client: Erith**

Swantest was employed by Erith to carry out 4 proof load tests on M64 post installed anchors which had been resin fixed into an existing concrete slab.

The anchors were safety critical, as they were used as anchor points for fixing the tower crane base to the concrete slab.

We conducted 4nr. pull out proof load test in total, recording applied load and movement. This test is executed in a way that does not inflict any adverse loading or damage to the anchors.

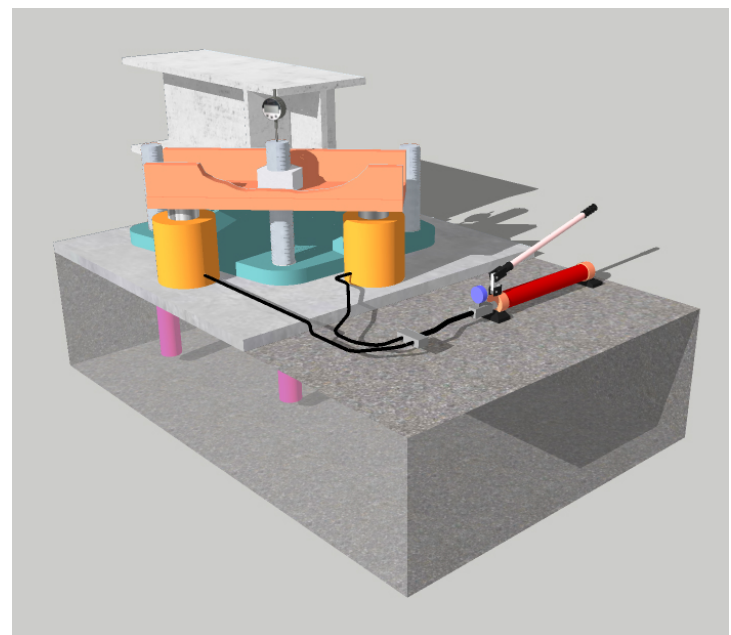
Should any anchor fail, we would investigate the contributing reasons and liaise with project manager, installer and design team to avoid repeating occurrences.

All tests are in accordance with BS 8539:2012, and CFA Procedures for Site Testing Construction Fixings 2012.

Swantest have the equipment to proof load any required diameter of post or pre-installed anchor to any specified load.



**Figure 1: Test Set Up**



**Figure 2: 3D Sketch of the Test Set Up**