OFFSET LIFTING SYSTEM FOR AR15

The Offset Lifting System for the AR15 allows loads to be lifted close to existing structures without having to use a cantilever lifting beam. It is ideal for installing facades or for installing precast panels that need to be placed against an existing wall.

The Roborigger acts as the counterweight. The lifting point is approximately 300mm offset from Roborigger for all loads. The bottom guide arm connects to the Roborigger hook and is oriented with Roborigger. The load is connected to the bihook at the end of the arm. This hook can be set at 0, 45 or 90 degrees orientation relative to the arm. This can be adjusted in seconds using a spring lock pin.

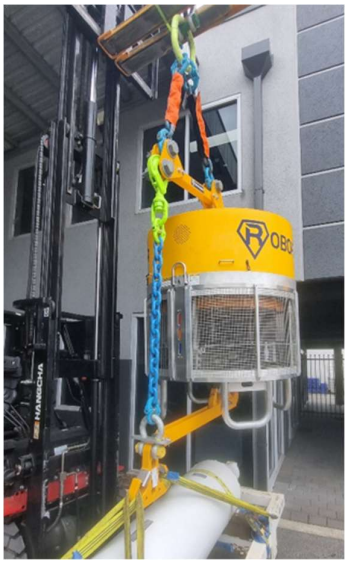
When not required, the system can be removed in about 1.5 minutes and the Roborigger used as normal but with the triangular rigging arrangement still attached above.





Geometry when lifting a light load eg 1 tonne on the left and when lifting 15t on the right





The hook can be oriented parallel (right), perpendicular (left) or at 45 degrees to the orientation arm.

KEY FEATURES:

- Allows lifting close to existing structures.
- Rated for lifting the full rated load of the system (15t) in the offset position.
- System has minimal weight (approx. 100kg including rigging)
- Rigging below upper arm can be attached or removed in less than 2 minutes.
- Roborigger can be operated in normal mode using just one 15t WLL rated leg of the upper triangle.
- Arm orientation is controlled by Roborigger orientation. Load orientation is set by the orientation of the 15t WLL bihook.

SPECIFICATIONS:

Offset: approx. 300mm from edge of Roborigger

Load capacity: 15t WLL

Weight: approx. 100kg including rigging

Connection and removal time: less than 2 minutes

Design Standards:
AS4991-2004 Lifting Devices

Roborigger International Pty Ltd
Perth Australia
Tel: +61 8 9488 4500
www.roborigger.com.au