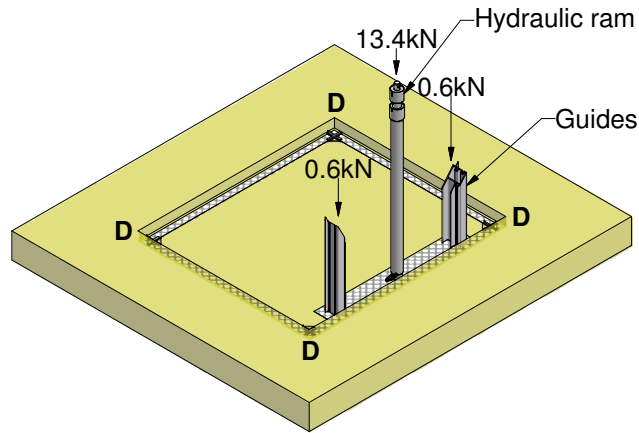


Lyndhurst S5

Loads & fixings

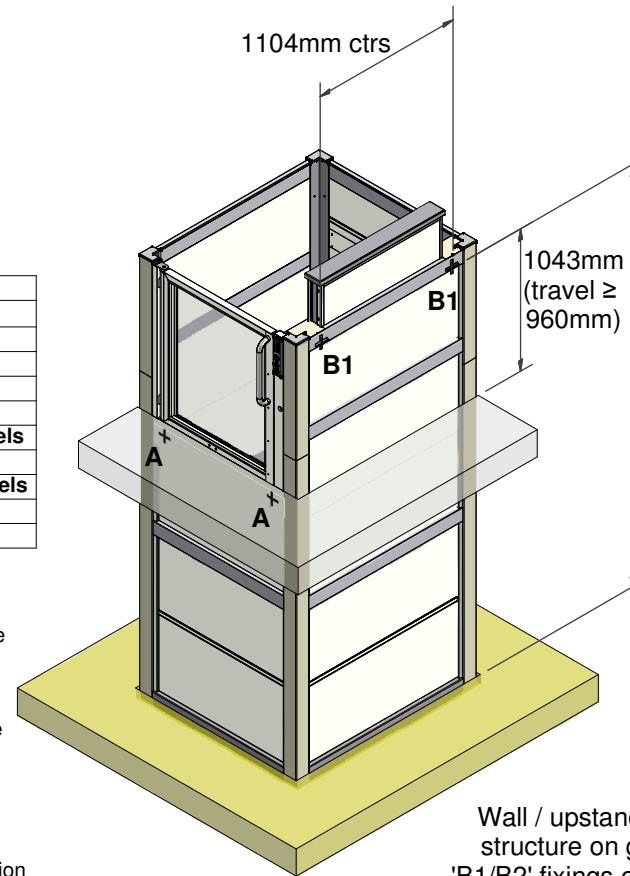


Lift base
(shown with pit)

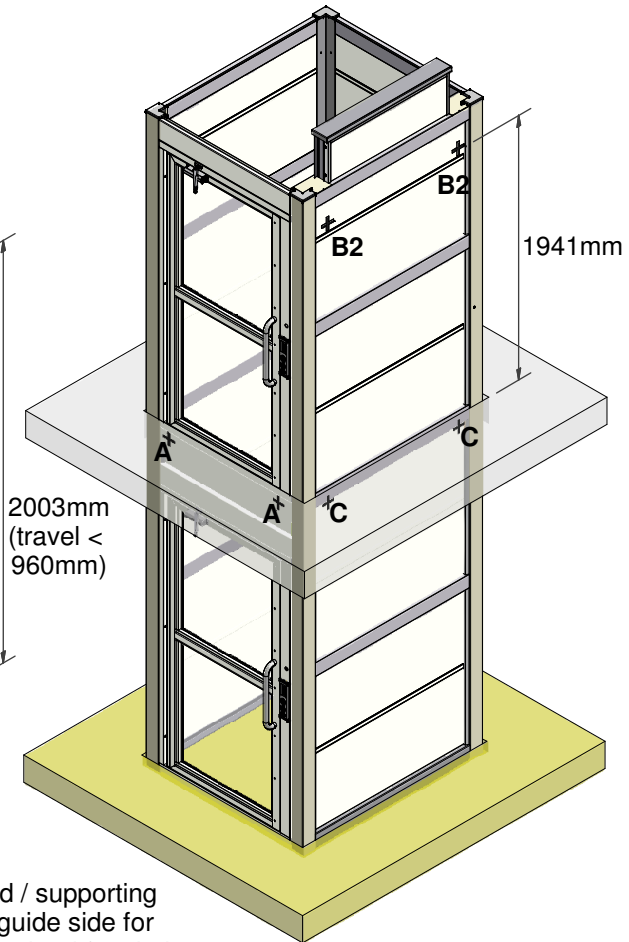
Quantity	Value	Comments
A	0.5kN	Door threshold fixing at each entrance
B1	1.8kN	Guide side fixing, lift with upper level gate
B2	1.7kN	Guide side fixing, lift with upper level door
C	2.1kN	Guide side landing fixing, 2 stop lift, 2m<travel<5m
C	2.2kN	Guide side landing fixing, multi stop lift, travel between floors>=2.1m
D1	1.2kN	Floor load, vertical plane, lift with upper level gate, laminate infill panels
D1	1.9kN	Floor load, vertical plane, lift with upper level gate, glass infill panels
D1	1.9kN	Floor load, vertical plane, lift with upper level door, laminate infill panels
D1	3.2kN	Floor load, vertical plane, lift with upper level door, glass infill panels
D2	1.0kN	Floor load, horizontal plane (shear load in fixing)

Notes:

- Details provided apply to Midlift SL indoor applications only, where all specified fixings can be made directly into solid substrate or structural members.
- Loads:**
Loads from the lift occur in horizontal & vertical planes. All tabulated values stated in the table are per position indicated in the sketches. All loads stated are for 'worst case' conditions (of load & travel). Where applicable, an impact factor of 2 has been accounted for. No 'safety factors' have been applied.
 - Horizontal plane loads:**
Fixings at lettered positions (A to C) are compulsory & can be assumed as push & pull (direction at any given time depends on lift platform position). Loads B1 or B2 applies dependant on lift configuration. See table for values.
 - Vertical plane loads:**
Fixings at D are compulsory. Fixings at D are made (vertically) into floor & are subject to a shear load (D2). Loads D1 (see table) are point loads due to structure weight. Additional vertical plane loads, are applied at the base of the ram (1 position) & guides (2 positions) – refer to sketch 'Lift base' & table. Each of these 3 loads can be taken as point loads.
- It shall be the customer's responsibility to ensure suitability of the building structure for the applied loads, both in terms of strength, & also suitability of the fixings proposed. If any doubts exist, it is advised that a structural engineer is consulted.



Lift structure with upper level gate
(travel up to 3m)



Lift structure with upper level door
(travel between 2 & 5m)

Wall / upstand / supporting structure on guide side for 'B1/B2' fixings omitted for clarity

Waiver

The data sheet is for guidance only & must not be used for proper working drawings. Please contact your dealer for particular details before proceeding. Owing to our policy of continual improvement, we reserve the right to alter specifications & dimensions without prior notice.

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Information
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