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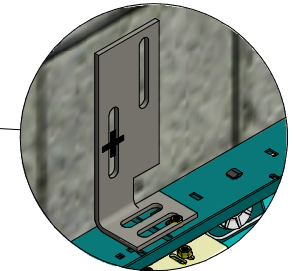
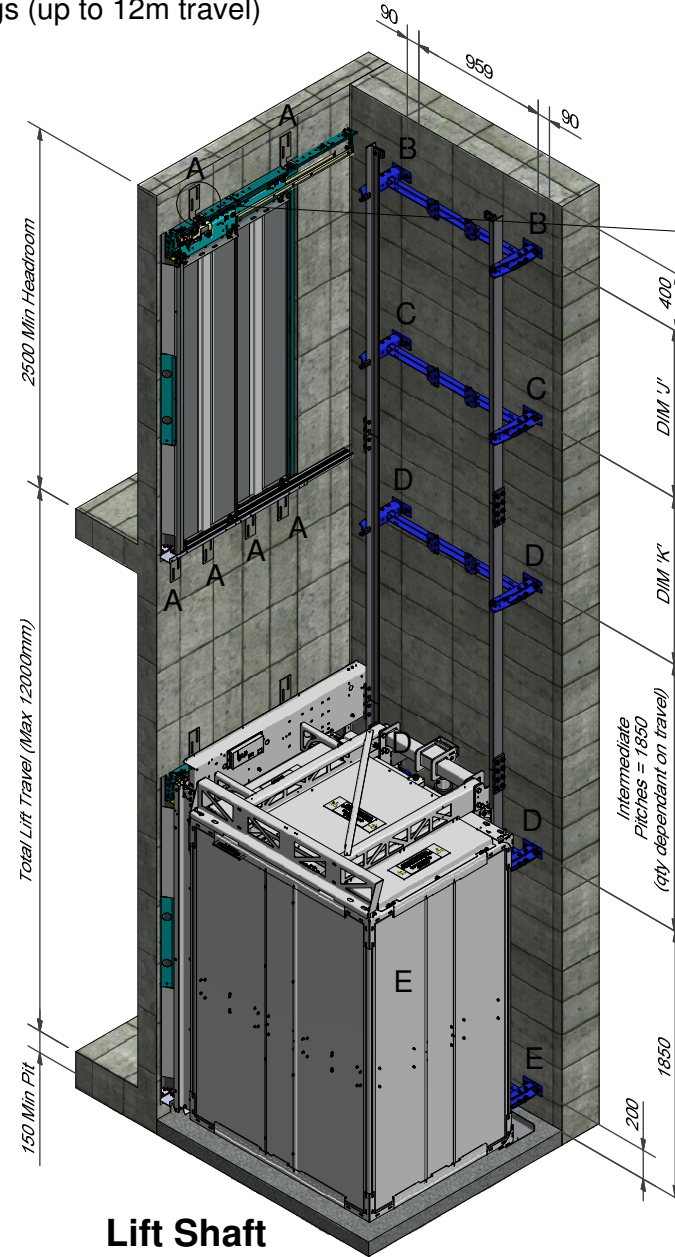
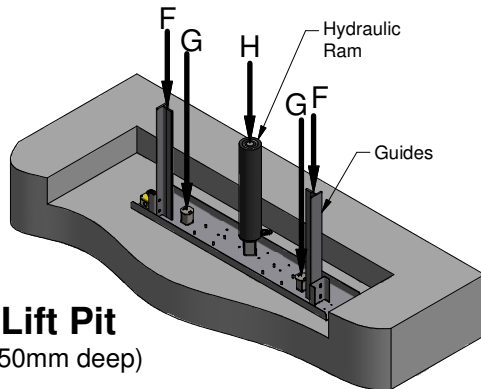
Piccolo Wall Mounted Loads and fixings (up to 12m travel)

Stannah

Position	X (kN)	Y (kN)	Z (kN)	Comments
A	0	-0.3	+0.8	Door frame fixing at each entrance (loading directions relative to door orientation)
B	-3.2	±1.0	0	Guide side top fixing (stated loads shared between 2 fixings at each B position)
C	-4.8	±1.2	0	Guide side penultimate fixing (stated loads shared between 2 fixings at each C position)
D	±4.3	±1.2	0	Guide side intermediate fixing(s) - number of pitches dependant on travel (stated loads shared between 2 fixings at each D position)
E	+3.9	±1.2	0	Guide side bottom fixing (stated loads shared between 2 fixings at each E position)
F	0	0	+11.0	Vertical load at the base of each car guide
G	0	0	+19.3	Vertical load at each car buffer
H	0	0	+24.0	Vertical load at the base of hydraulic ram

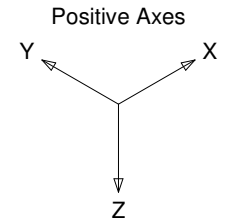
Notes:

- Details provided apply to Midlift Piccolo indoor applications, max 12m travel, where all specified fixings can be made directly into solid substrate or structural members. The table & sketches show all loads from the lift.
- Loads**
Loads from the lift occur in all 3 axes (X, Y & Z). All values stated in the table are per position indicated in the sketches. All loads stated are for 'worst case' conditions (of load & travel). Loads stated are those in fixings at applicable positions. Where applicable, appropriate impact factors have been accounted for.
- 2a. General Horizontal plane fixings**
Fixings at lettered positions (A, B, C, D & E) are compulsory. Forces apply in directions indicated in the table (note door loading, A are relative to door orientation). Positive directions shown in the sketch 'Positive axes'.
- 2b. Specific Notes - Horizontal plane fixings in X direction**
 - Restraint forces arise from lift operation; applied load is a couple, in 2 positions (one on each guide). Force magnitude is 3.5kN at 1980mm pitch.
 - Maximum values are stated; restraint force at fixing positions vary in magnitude and direction depending on lift car position & guide bracket layout.
 - Stated forces will act as axial load on fixings at prescribed positions.
- 2c. Specific Notes - Horizontal plane fixings in Y direction**
 - Lateral restraint in fixings arise from a couple applied to the guides, in a plane parallel to a plane passing through the centre of both guides; force magnitude is 1.0kN at a pitch of 1980mm.
 - Magnitude of lateral force varies according to lift position & guide bracket layout; direction of lateral force varies according to position of load in lift car.
 - Stated forces will act as lateral (shear) load in fixings at prescribed positions.
- Preferably, the lift well should not be situated above a space accessible to persons. If spaces accessible to persons exist below the lift well, then base of the pit shall be designed for an imposed load of 5kN/m².
- 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.
- All dimensions in mm unless otherwise stated.



Detail View
'A' fixings typical in 6 positions per door frame (Loading directions are relative to door orientation)

Dimensions J & K must be equal & be ≤ 1850mm (minimum value = 925mm)



Lift Shaft
(Up to 12m travel)

Waiver

The data sheet is for guidance only & must not be used for proper working drawings. Please contact us 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 sheet
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