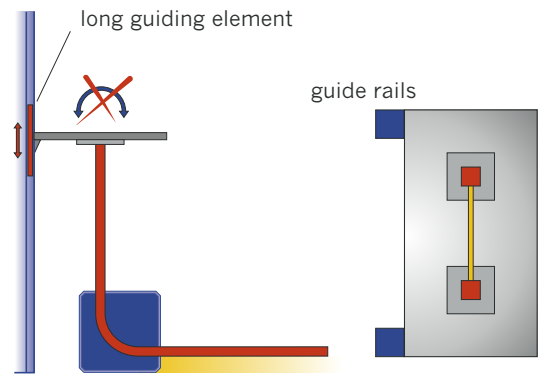


system configuration

Several lift columns can be combined into one array, and be driven synchronously with only one motor. Several such arrays may in turn be combined for practically any platform or load size and shape. In general, the system layout is flexible and easily adaptable to the individual application environment.

Columns in one line: The array may consist of only one column, or of two in line. If guide rails cannot be put on all four corners, the guiding element must be long enough to prevent tilting of the load.



basic configurations

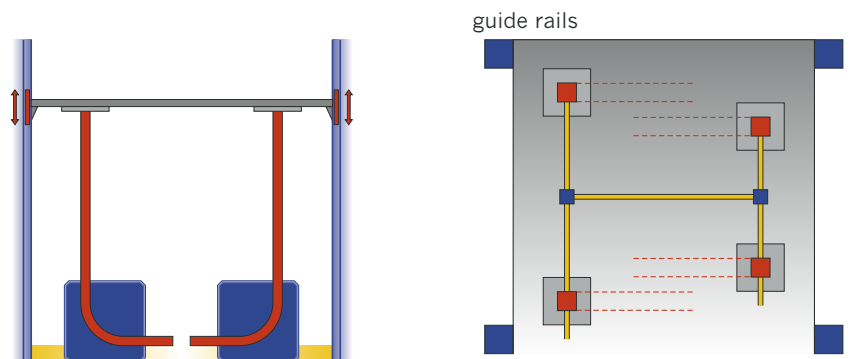
Lift columns that are connected to the same drive are usually arranged in one or two lines, as required by the dimensions of the load. Except for lifting tables that have their own structure to secure the lift's proper course, all configurations require the load platform to be guided externally along the entire lifting distance. At least two guides are required to balance the lift. Large loads or specially shaped platforms may require additional guides.

The total force that has to be applied to the load is distributed on the columns of the lift array.

To plan your system, use the drawings provided in this brochure. Download drawings in DXF format from www.serapid.com

Columns in two lines: At least three columns are required. The line positions can be offset against each other

to utilize the space under the platform for economic storage of the lift return.



Lifting table with collapsible structure: The load may be supported by a mechanically expanding structure that defines the vertical movement. For example, with a table on

scissors-legs, the lift-side ends of the scissors are fixed while their opposites move along a clearly defined path. – This type of lift usually has one or two columns.

