

Lift shaft system

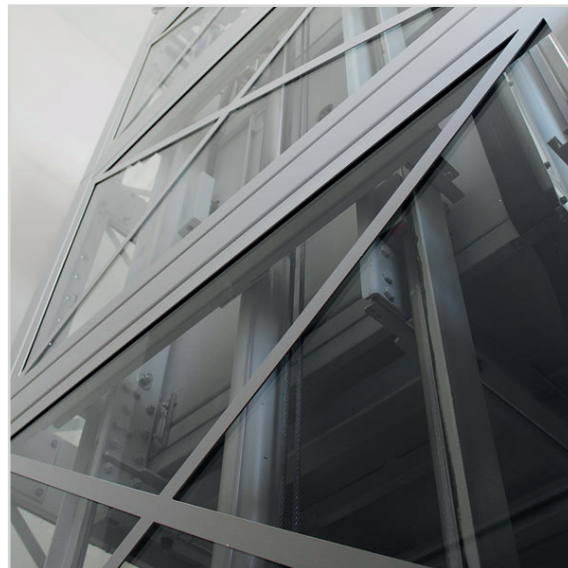
The modular, completely screwable solution for inside and outside, certified according to EN 1090



DESCRIPTION

For all those cases in which a conventional masonry/concrete shaft cannot be built, either for architectural reasons or due to a lack of space, the modular, self-supporting lift shaft system from DICTATOR is the ideal solution.

According to the Construction Product Regulation 305/2011/EU only lift shaft systems tested according to the EN1090 and whose production is under constant surveillance are permitted to be used. The DICTATOR lift shaft system complies with all these regulations (Certificate of conformity of TÜV Rheinland 0035-CPR-1090-1.00963. TÜVRh.2014.001).



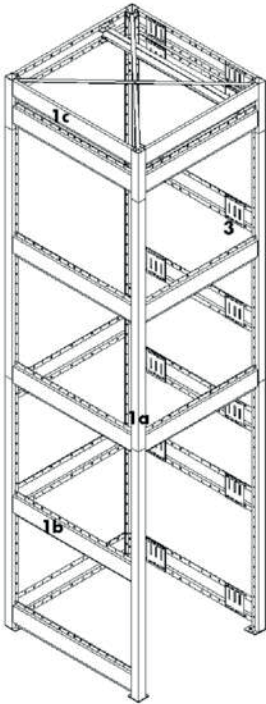
ADVANTAGES

- Easy assembly without dirt accumulation, as all elements are simply screwed together. Welding is not required
- Modular design with flexible, customer-specific dimensions, can be optimally adapted to all structural conditions
- Versatile design options: filler panels of sheet metal, perforated sheet metal or with glazing, plus optional cladding by the customer in a wide variety of finishes
- Suitable for installation both inside and outside the building
- Retrofitting in existing buildings possible without any problem and without affecting the use of the building
- The frame is already prepared for the installation of the intended lift type during production
- If necessary, the complete installation of the shaft system can be carried out from the inside

TECHNICAL DATA

Finish	powder coated, light textured paint finish, colors according to separate color sheet (special colors at extra charge); for exterior use in addition hot galvanized
Maximum inside dimensions	1950 x 1950 mm
Maximum height of shaft	26 m
Lift types	of all manufacturers, hydraulic, electric
Rated load of lift	max. 600 kg with rear rails, max. 750 kg with rails on both sides

COMPONENTS



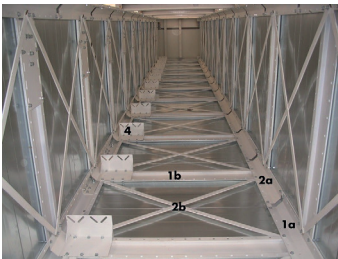
1) Load carrying components

a) Columns

Omega-shaped sectional columns in the dimensions 80/80/35 mm or 90/90/45 mm, depending on the installation situation, the dimensions of the system and the loads involved. If required and depending on the static design of the system, special supports with reduced dimensions may also be used.

b) Crossbeams

c) Upper beams with lifting beam for installation and maintenance



2) Reinforcements (depend on the lift installed)

If necessary, the static stability of the system is increased by the following components:

a) Reinforcements in the columns

b) Diagonal braces between the beams (depend on the size of the lift shaft, the type of revetment used, the rated load)



3) Fixing brackets for the rails

Included in delivery are fixing brackets or plates matched to the intended lift, prefabricated for bolting to the shaft system. The design of the support brackets is determined in consultation with the installer of the system. Slotted holes in the fixing brackets/plates allow easy precision adjustment during installation.



4) Cladding

The cladding of the system can be done in different ways:

a) Closed sheet metal panels

A simple and cost-effective option, equally suitable for indoor and outdoor installations. When used outdoors, all joints must be completely weather-sealed by the customer after installation using a suitable sealant.



b) Perforated sheet steel panels

In the interior, the perforated sheet option is an attractive alternative to closed sheet metal cladding. However, the production complexity and thus the price are somewhat higher than for the closed version. The design of the perforation can be determined individually for each system within the framework of the technical possibilities.

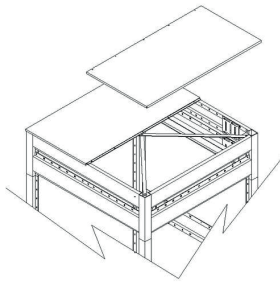


c) Frames for safety glass VSG 10 or 12 to be provided by the customer

In this version, DICTATOR only supplies the components required for fixing the glass panes (supplied by the customer) in the shaft system. This includes the closed frames on the outside as well as the complete accessories for fixing the panes from the inside into the frame. This option is also suitable for outdoor use, but the joints must also be sealed as described under 4a). Of course, a combination of the presented cladding options can also be carried out.



d) Upon request, special designs or the preparation for those available
(please, indicate weight and dimensions needed)



5) Roof

The delivery also includes a top cover as a flat roof, which is usually designed in two parts. When used outdoors, the roof panel is provided with a slight slope.

ENVIRONMENTAL INFLUENCES



The necessary ventilation of every lift shaft is achieved by using perforated sheet metal panels below the upper beams. The size of these panels depends on the base area and the travel of the lift.

The standard version of the lift shaft system with sheet metal panels or glass panes is not an insulated, waterproof structure. When installing the shaft system outside, sealing it with silicone (by the customer) will make it to a large extent waterproof.

If the shaft system has to be insulated and sealed, only the load carrying construction consisting of columns, beams, rail brackets, reinforcements etc. without panels can be used. The customer then can line the shaft system e.g. with sandwich panels or an aluminum framework with window panes. Another option is the subsequent closing of the shaft with a simple brick wall with no supporting function or a dry-wall construction with insulating plaster.