

GTK counterweight

The flexible solution for many installation situations

For a counterweight mass of up to 6460 kg in various versions

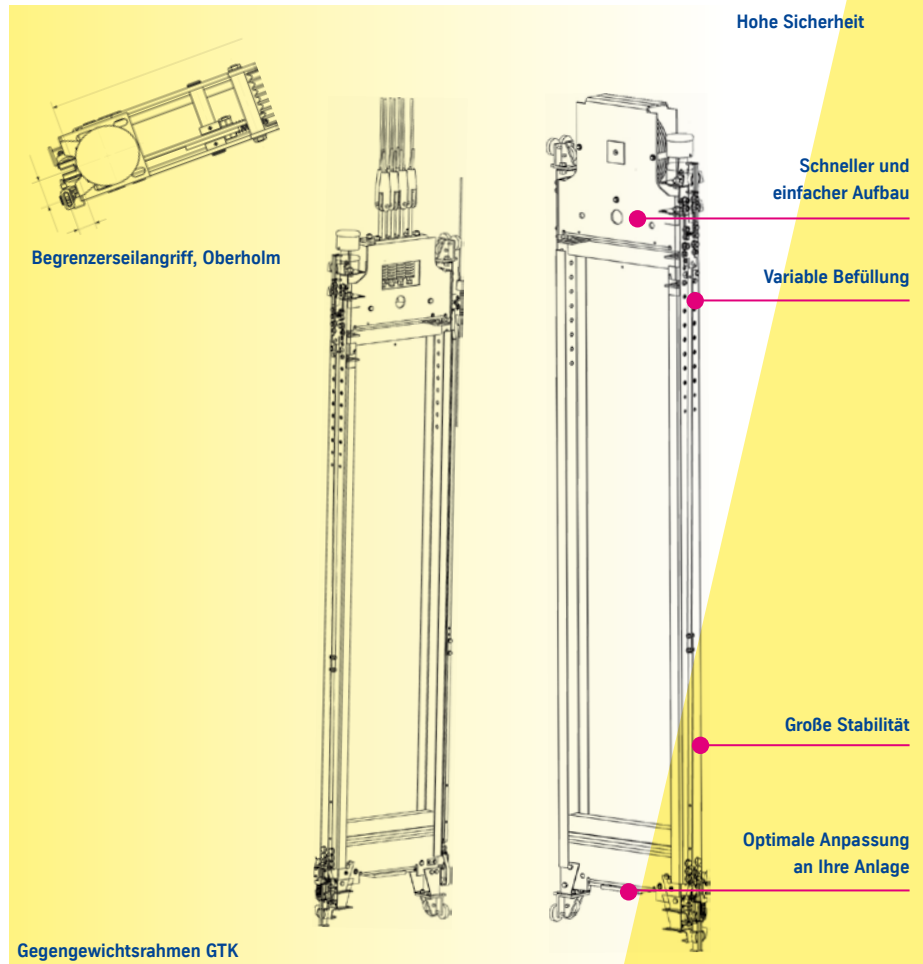
The counterweight frames calculated for an overall mass up to 6460 kg. The various necessary widths, gauges between rails and suspensions (1:1 and 2:1) are available in the modular system:

Optimum adjustment to your installation

With the variations in length, width and gauge between rails, the counterweight is an optimum fit for the most diverse project planning dimensions. In the standard versions, the counterweight frames with rope attachment for 1:1 arrangement and rope pulleys are available for 2:1 arrangement. Besides the standard gauge between rails of 700, 1050 and 1370 mm, other clearance dimensions can be produced as well.

Additional options

Various special versions such as sliding and pulley guides, and a safety gear on the counterweight can be selected. For aesthetic purposes, the counterweight can be encased in a glass shaft. Diverse accessories for the mounting of compensation chains and compensating ropes are selectable. The path cover in the pit area in compliance with EN81-1, adjusted to the mass of the counterweight, is available in the program.



Variable filling

The two lengths for a multilayer filling with max. 30 or 40 levels (a layer is 60 mm) and various filler materials such as Gussolith, steel and lead allow variable adjustment to the dimensions of the shaft.

High level of safety

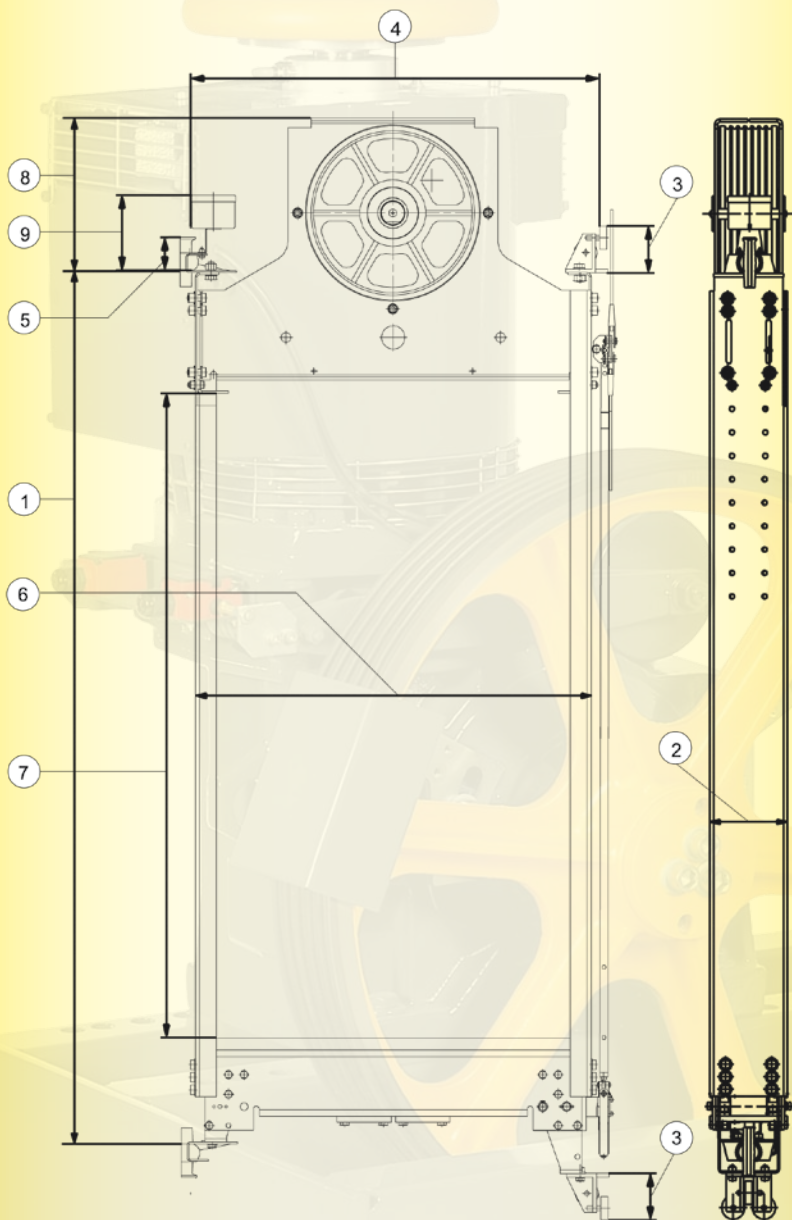
The frame construction of angular sheet metal profiles in the top and bottom beams and reinforced knot junctions and their connections were calculated and optimised with the Finite Element Method (FEM), whereby the necessary proofs of solidity were also provided.

Counterweight (CW) GTK - Data table

	Width of CW [mm]	Total Mass [kg]	Pulleys [mm]*
GTK 700	135	≤ 1560	360
GTK 1050	135	≤ 2360	360
GTK 1050	200	≤ 3500	450 / 540
GTK 1370	270	≤ 6110	540
*for 2:1 suspension			

Counterweight GTK Module Solutions as Cast On

Dimensions



Counterweight Mass

The following approximated values do include the masses of the counterweight frame, the hitch plate or the rope pulley, one or two buffer plates and the sliding guides:

GTK 700/135:	127 kg, 1:1 suspension;
	155 kg, 2:1 suspension;
GTK 1050/135:	151 kg, 1:1 suspension;
	179 kg, 2:1 suspension;
GTK 1050/200:	178 kg, 1:1 suspension;
	255 kg, 2:1 suspension;
GTK 1370/270:	342 kg, 1:1 suspension;
	391 kg, 2:1 suspension.

Colour

The products shown are available in blue-grey - RAL 7031 - as standard and with zinc coated parts.

Special Versions

- Roller guides
- Rope pulleys for 2:1 suspension fixed in a pulley carrier on the top beam
- Progressive safety gears (type 0, 1 and 2)
- Buffer plates additionally
- Panelling of counterweight on one or on both sides
- Compensation chain or compensation rope mounting

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