

Types of Sweezz

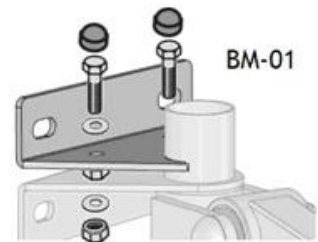
There are a few different types of the Sweezz wall mount. The frame however is the same in all types. Also in all cases the same type of actuator (linear motor) is provided.

The difference is in the combination with a gas absorber (for safety reasons) or a gas spring (1000N or 1500N, for safety and extra support for the motor).

- STE-uni-gd** Sweezz with gas absorber
- STE-uni-100** Sweezz with gas spring of 1000 Newton (100 kg)
- STE-uni-150** Sweezz with gas spring of 1500 Newton (150 kg)

STE-plus: the difference with STE-uni is an extra wall fixation BM-01 to reduce the pulling forces in the wall at the top of the Sweezz. With the BM-01 these forces at the top are divided over four anchors instead of two.

STE-plus has to be applied anyway when the weight of the screen is over 70 kg (except with the column ZLG-03 for weaker walls).



- STE-plus-gd** Sweezz with extra mount BM-01 and gas absorber
- STE-plus-100** Sweezz with extra mount BM-01 and gas spring of 1000 Newton (100 kg)
- STE-plus-150** Sweezz with extra mount BM-01 and gas spring of 1500 Newton (150 kg)

Which type is to be used?

Which is to be used depends on the weight of the screen.

- gd** for screens of max. 60 kg
- 100** for screens of min. 55 kg until max. 90 kg
- 150** for screens of min. 75 kg until max. 130 kg

Note the minimum weight. The screen goes down on its own weight: if it is too light, it will 'float' on the gas spring.

The maximum weight of the screen with the Sweezz is 130 kg. According to the norms of the German TÜV it has been tested with double that weight.

The Sweezz usually can be mounted directly to a solid wall (brick or concrete). When the screen weighs over 70 kg this has to be a STE-plus. Always check if the wall is strong enough to carry the weight. Otherwise use a column.



Important: There is a new motor: a high quality TiMOTION actuator is provided with the Sweezz. This actuator has to be mounted with the electrical motor part upwards, as in this picture (this differs from older versions). The gas absorber/spring must have the thin end up.

Mounting instructions

At the side of the screen the 1000N gas spring has an up force of approx. 45 kg (it makes the screen seem lighter). Therefore the motor has to lift less; the spring helps to lift the screen (if the screen is lighter than approx. 45 kg it even won't go all the way down: at a certain level it 'floats'). This makes it possible to mount a heavy screen with a relatively light (and faster) actuator.

While mounting the screen this extra force of the gas spring means that the frame has to be pulled down manually with a force of approx. 45 kg (see between steps 3B and 3C of the complete mounting instructions, included with the Sweezz). This can be done by hanging on the frame with your full weight, while a second person mounts the frame as in step 3C.

Column for weaker walls

With weaker walls (e.g. plaster board or metal stud) a column ZLG-03 can be applied. The weight supports on the floor then; the pulling forces are reduced because of the longer back frame and divided over more points.

The column is delivered with 12 hollow wall anchors to mount it to the hollow wall. The Sweezz to be mounted always is a **STE-uni**.

Mounting is fast and easy: simply hang the Sweezz into the column and fasten it at four points (at A and B).

Mechanical anti-collision

The motor is 'push only' for safety reasons: if it would pull downward, it could crush anything below the screen (even a wheelchair), or the motor could be damaged. In fact the inner tube is not physically attached.

So, while operating the down button the mechanism inside is moving down; the inner tube is going along on the weight, unless it is held back. Therefore if anything blocks the screen while lowering, the screen won't go down any further. The mechanism inside, however, does move on in a freewheel.

That means, if the obstruction were to be removed suddenly, the screen would fall down until it reaches the mechanism. The function of the gas absorber is to prevent damage to the mechanism or the screen in that case: the downward speed is reduced. Of course normally the screen will be raised with the 'up' button.

Note that the gas spring also has an absorbing function. Besides it reduces the weight on the obstruction.

Important is the right choice of the gas spring, tailored to the weight of the screen.

