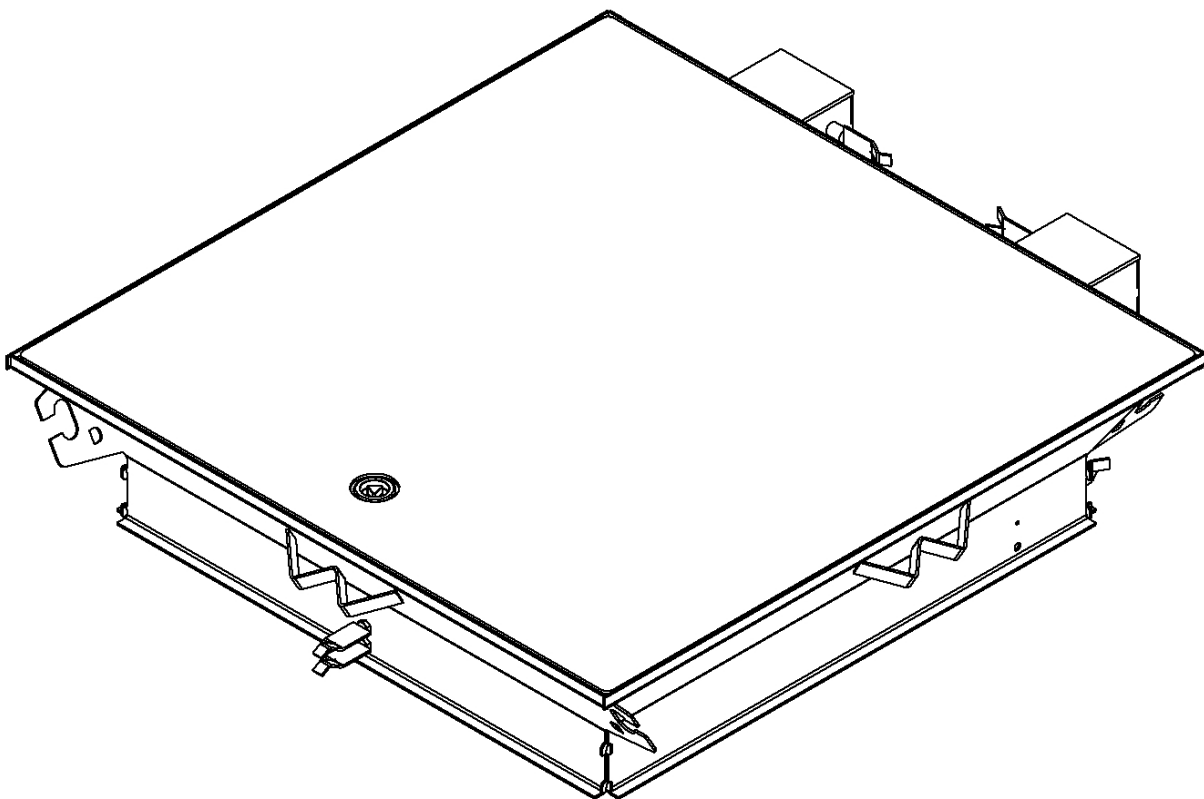


Assembly and operation shaft cover HS 8

- This document includes:*
- Mounting dimensions*
  - Mounting instructions of the cover*
  - Mounting instructions of the gas-pressurised springs*
  - Operating instructions*



# Mounting dimensions of shaft cover HS 8



Hailo

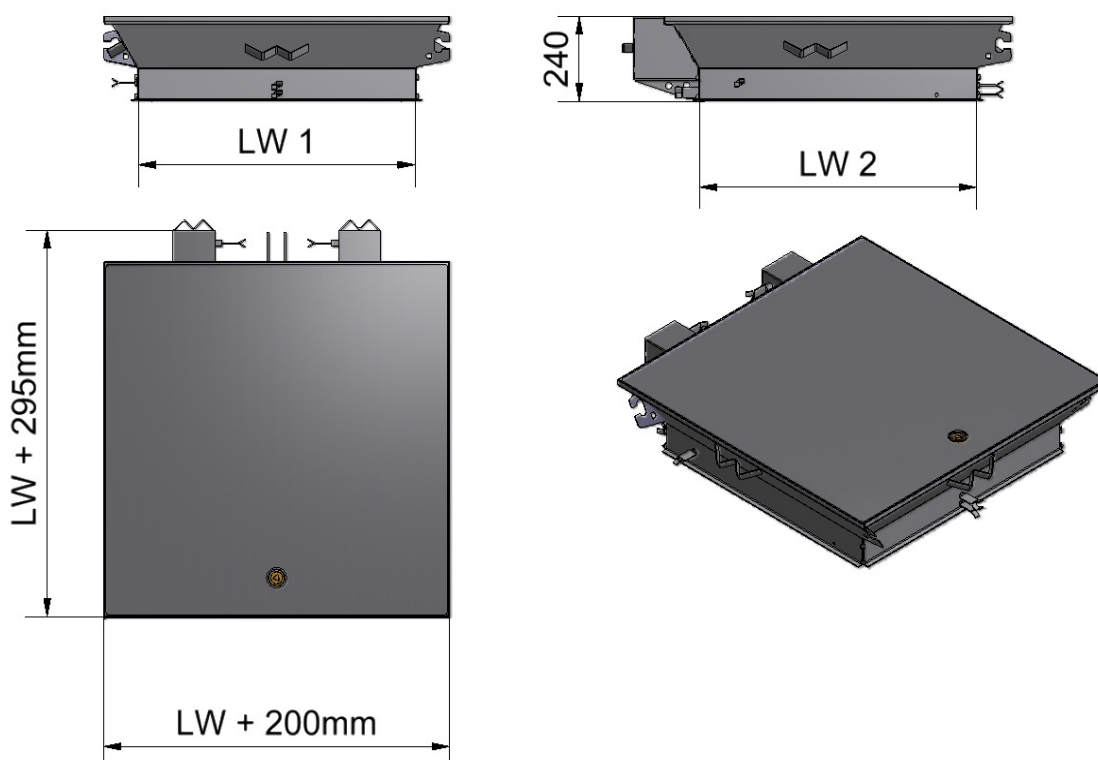
## ATTENTION!!!

The circumferential concrete edge must have at least the following thickness:

- for stationary traffic (e.g. car parks) 80 mm
- for moving traffic (roadway) 120 mm

These dimensions must also be kept at the rear side behind the hinge boxes!

The design of the reinforcement must be performed according to the building statics and is not part of the shaft cover.





## Installation instructions shaft cover HS 8



**D** **ACHTUNG!** - Den Deckel vor dem Aushärten des Betons NICHT öffnen!  
Erst anschließend darf die Abdeckung geöffnet und die Gasdruckfedern montiert werden! -  
Bitte beachten Sie hierzu unsere Bedienungs- und Montageanleitung!

**GB** **ATTENTION!** - Don't open the cover before the concrete is cured!  
Only now, the shaft cover can be opened and the gas springs can be installed!  
For this, please notice our instruction and installation manual!

**NL** **PAS OPI!** - Het deksel mag NIET geopend worden voordat het in beton gestort is!  
Pas wanneer het beton uitgehard is mag het deksel geopend worden en mag de  
gasveer gemonteerd worden! - Gebruik hiervoor de meegeleverde montagehandleiding!

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1. Remove all accessory parts such as gas-pressurised springs and operating keys as well as packaging (film, cardboard)
2. Position the shaft cover in the component where it must be installed, e.g. opening in the building, casing of a shaft ceiling, etc. There are hooks at the corners of the frame for lifting; on these hooks it is possible to attach chains or ropes to the cover. Make sure to observe the minimum thickness of the circumferential concrete on the outer edges of the shaft cover:
  - 80 mm for stationary traffic
  - 120 mm for moving traffic

The horizontal alignment must be performed according to the final roadway. It is necessary to support the frame round about from beneath in order to align it.
3. Produce the linkage to the reinforcement according to the statics of the building; seal the gaps between the frames and the casing through which concrete might penetrate. For large covers it is possible to position ballast weight on the cover in order to avoid floating. Concrete quality C20/25 (B25) or higher!
4. Spread the concrete when pouring it using an internal vibrator, finally smooth it and remove concrete spatters from the cover surface. Allow concrete to set.
5. After setting of the concrete it is possible to open the cover. Mount and adjust the gas-pressurised springs according to the instructions. All necessary screws are premounted. If concrete penetrated inside the cover, remove it!

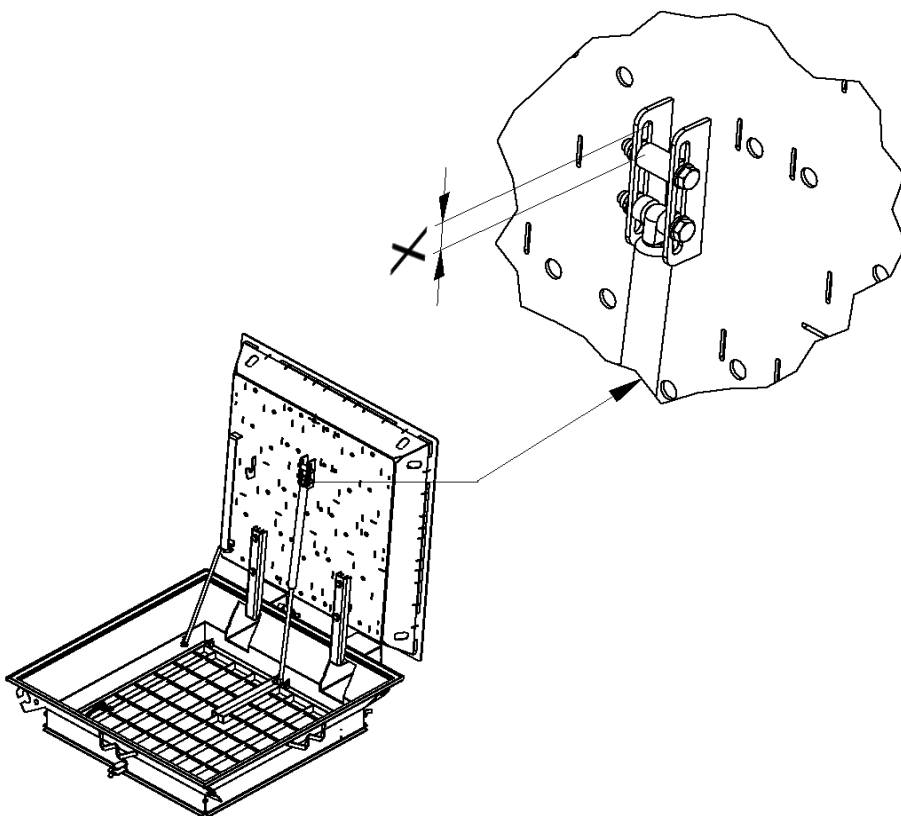
**ATTENTION:**  
In case of non-observance of the installation instructions the warranty of the manufacturer is becoming null and void!

## Assembly and operating instructions Hailo - Shaft cover HS8 gas-pressurised springs

It is possible to adjust the action of the gas-pressurised springs by using a relocatable stop.

1. First the head of the piston rod is screwed to the bottom of the frame using the preassembled screw. Only tighten the nut as far that it is still possible to turn the screw!
2. Then assemble the head of the cylinder as illustrated; when moving the cover the screw slides in the oblong hole.
3. When fixing the stop (screw with sleeve, position "X") it can be adjusted to the point at which the gas-pressurised spring pushes upwards when opening the cover. If the shaft cover is only equipped with one gas-pressurised spring, it is necessary to adjust the point at which cover stops when it opens to about 80°. Then it is easily possible to move the cover manually to the stop position.

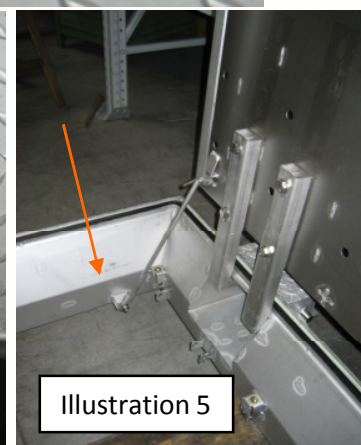
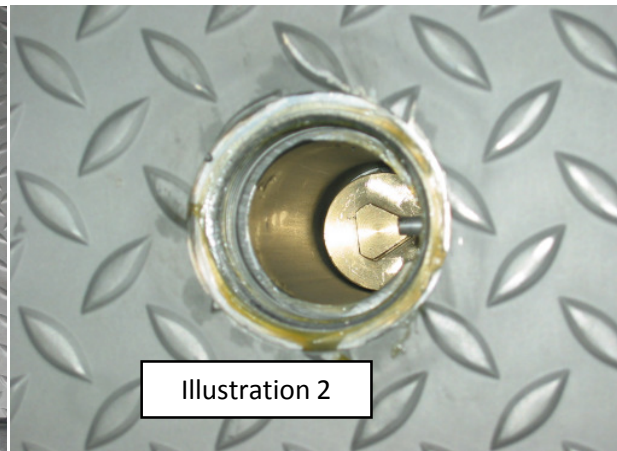
If several gas-pressurised springs are available, it is necessary to mount the stops in a way that the gas-pressurised springs are activated one after another. The advantage is that the cover would not open rapidly and that you must not counteract all gas-pressurised springs when closing the cover. The further the stop is displaced downward the higher is the force of the spring when starting opening the cover.



## Operating instructions Hailo - Shaft cover HS8

The operating key # 9515-03 and, if applicable, the key of the profile cylinder in the cylinder lock (optionally) are required to operate the shaft cover HS8.

1. Unscrew the triangle head cap locking bolt (s) of the locking by means of the operating key and position it at a clean place (illustration 1)
2. If available, unlock and remove the cylinder lock by means of a key
3. Unscrew the triangle locking nut(s) (illustration 2 and 3)
4. Seize into the opening in the cylinder collar using the hook of the key and lift the cover (illustration 4)
5. The gas-pressurised springs help to open the cover to about 80°, then continue opening the cover manually until the snib locks in place (illustration 5)
6. Unlock the snib in order to close the cover and perform steps 5 through 1 in reverse order



Observe the maintenance and care regulations! (Label on the shaft cover)