



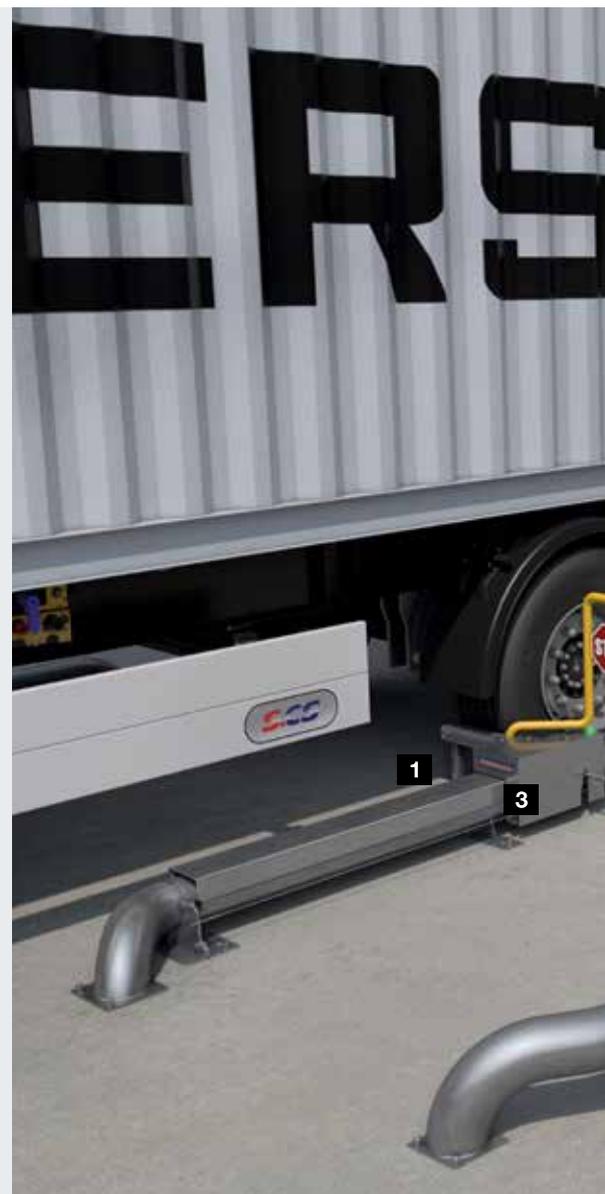
Wheel-Blocking System MWB

Workplace safety at loading points



Wheel-Blocking System MWB

Easy and efficient



Aside from efficient processes, safety during loading is the top priority. For this, the lorry must reliably remain in the docking position. High forces are exerted on the lorry when driving up and braking during loading and unloading with a forklift. The resulting lorry movements can cause the dock leveller to slip from the loading surface of the lorry, which can then lead to serious accidents. In this case, a wheel chock does not always provide reliable protection. The wheel-blocking system MWB, however, effectively prevents the lorry from leaving the safe docking position, thus increasing safety at the loading bay.



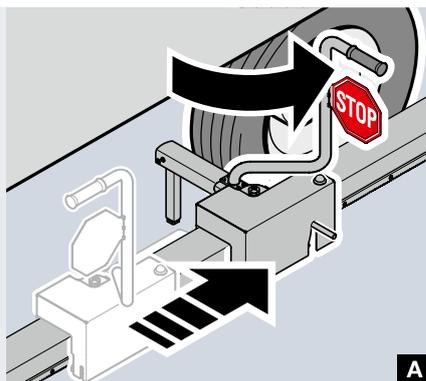
Watch the video at:
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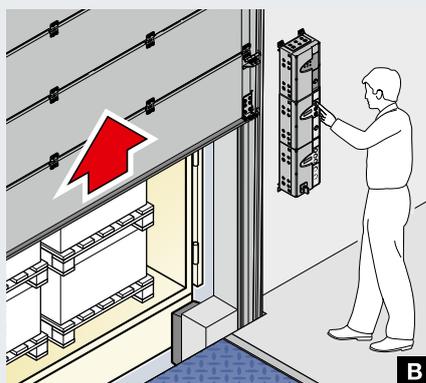


Wheel-blocking system MWB

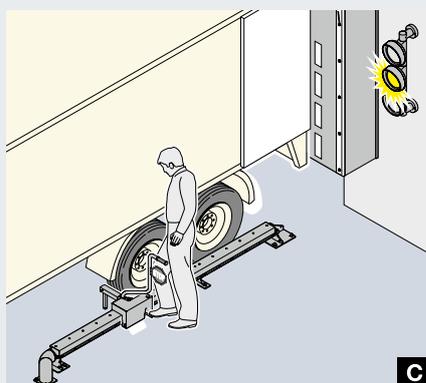
On the approx. 5 m long wheel guide made of galvanized steel there is a carriage **1** with a rotating locking arm **2**. It is easily released using a foot pedal **3**. Only then can the locking arm be folded in again. Another convenient feature: The MWB carriage does not need to be moved to the end-of-travel position after release. When the arm is folded in, it can move freely and can simply be repositioned for the next vehicle. The system is suitable for all common lorries.



A



B



C

Controlled processes with control MWBC

When equipped with the control MWBC, all processes work together perfectly.

A The wheel guide leads the lorry to the centre of the loading point. The MWB carriage is moved in the direction of the wheel. The exterior traffic light switches to red as soon as the locking arm is swung out and secures the lorry against rolling away.

B The door can be opened only after the lorry has been secured. Once the door is open, the dock leveller can be brought into position.

C When the door is open, the release pedal on the MWB is blocked. The control allows the MWB to be released after loading only when the door is closed. The locking arm can be folded in again and the lorry can leave the loading bay.

Status messages

Messages about the operating condition, the position of the MWB and possible malfunctions can be seen on the control. A warning light on the outside indicates to the driver when he may dock, remove the MWB and leave the docking bay. If a malfunction occurs, the optionally available signal horn gives an acoustic warning on the inside, so that the loading process can be interrupted immediately. For loading and unloading swap trailers, the system can be bridged with a key switch.

Thanks to standardised housing sizes and similar cable sets, the MWBC control can be combined with the dock leveller control into a compact unit.



Wheel-Blocking System MWB

Accessories

Wheel guide

An optional wheel guide that functions as docking assistance should be installed on the opposite side of the MWB. This ensures that the lorry docks straight into the loading point.

This is important:

- For positioning the MWB correctly
- For placing the dock leveller safely
- For optimally sealing the door opening
- For preventing collision damage

LED strips

On request, the MWB wheel guide can be equipped with LED strips. They provide the same signal as the traffic light. This makes docking at night even easier and the traffic light signals can be recognised even better.

Signal horn

In case of danger, e.g if the MWB is too far away from the wheel, an optional signal horn provides a warning on the inside of the loading bay.



More information can be found in the "Loading Technology" brochure.