



Who says that a truck immobilizer can't be intelligent?



EXPRESSO STOP TRUCKS

THE SAFE SOLUTION FOR LOADING/
UNLOADING OPERATIONS



AUTOMATIC TRUCK IMMOBILIZER



EXPRESSO'S TRUCK IMMOBILIZER STOP TRUCKS

GUARANTEED IMMOBILIZATION FOR UTMOST SAFETY

Primary features of EXPRESSO's patented STOP TRUCKS immobilizer are reliability, robustness, and simple operation. The immobilizer already ensures a high level of safety during loading & unloading operations in many industrial, transport, and service provider locations. STOP TRUCKS guarantees complete immobilization of the truck at the loading ramp, and makes unintentional truck movement impossible. The risk of persons or transport vehicles falling off the ramp during loading/unloading operations is thereby eliminated.

INTELLIGENT, AUTOMATIC WHEEL DETECTION

Without touching the tire, the immobilizing arm rotates upward in front of the wheel and then locks onto it with a slight backwards movement. Depending on the wheel's diameter, the immobilizing arm automatically detects the ideal locking position, thereby preventing the truck from rolling away.

FEATURES OF STOP TRUCKS

- ▶ **Automatic wheel detection** for perfect truck immobilization.
- ▶ **Slim immobilizing arm** is inserted between the truck's wheel and mudguard. The immobilizing arm adapts automatically to all wheel types, and depending on wheel diameter, it finds the ideal locking position without damaging the mudguard.
- ▶ **Can be installed on all surfaces:** Adaptable for inclines and unevennesses. No ground elements required.
- ▶ **Extended immobilizing arm = locked truck**
Accident risks and damage to vehicle can be prevented.
- ▶ **Immobilizer is suitable for many truck types:** Also for trucks with special superstructures and large overhang. Not for completely enclosed wheel arches.
- ▶ **Only a limited amount of construction work required:** Two concrete supporting points are needed (one front, one rear) to mount the housing.



Can be installed on all surfaces



Controllable locking from inside or outside

DESCRIPTION AND COMPONENT PARTS

FUNCTION

STOP TRUCKS consists of a galvanized metal monoblock structure and two guide rails that serve as parking aids. The maximum permissible immobilizing arm distance is 4800 mm from ramp wall. This permits all truck types to be immobilized – even flat-bed vehicles with large overhang.

STOP TRUCKS is installed easily and quickly by an experienced team. Only a minimum amount of preparatory work is required, plus a 400 VAC or 3-phase 230 VAC supply.

With the immobilizing arm in its standby position, the loading ramp is unobstructed for truck positioning & docking. STOP TRUCKS adapts to every surface (inclines and unevennesses). Snow and flooding up to a height of 180 mm present no problems. Optionally, a fully waterproof version is also available.

COMPONENT PARTS

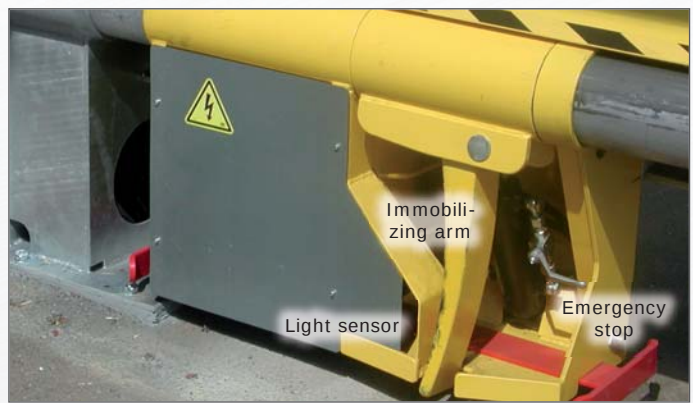
- ▶ **Two parking guide rails**
- ▶ **Multi-part movable slide**, fitted with a light sensor and sensor arm as well as the immobilizing arm that rotates upwards
- ▶ **Galvanized structure** that serves as guide rail and as support for the immobilizing arm. Maximum permissible immobilizing arm distance from ramp wall: 4.800 mm
- ▶ **Outdoor signalling lamps** in two colours, and warning signs with normal and mirrored inscription are available in several languages
- ▶ **Control cabinet** with integral operating buttons, signaling lamps for the indoor area, and an acoustic alarm

COMBINATION OF STOP TRUCKS AND HYDRAULIC LIFTING DEVICES

- ▶ **Parking aid function:** Trucks are reversed into the loading bay at the right angle
- ▶ **Levelling function:** Adjust the loading platform angle to zero, together with the ideal height
- ▶ **Safety function:** Vehicle is fully immobilized in the perfect position during loading/unloading



Immobilized truck



Detail view of STOP TRUCKS



Parking guides, immobilizing unit, control cabinet, and signal lamps



Levelling and secure immobilization



Welcome to EXPRESSO. Since 1953, our quality products and experience have been helping people worldwide with problems involving the transport and handling of small goods. In close cooperation with our customers, our engineers develop unmistakable branded products, which are manufactured responsibly and with great attention to detail.

EXPRESSO's products simplify and optimize all types of work procedures, and close the handling gap between manual labour and the use of forklift trucks. They are used wherever efficient, individual logistics solutions are required. We develop and manufacture

branded products that are unique in design, construction, and production. Thanks to their safety, quality, and precise workmanship, all our products are highly convincing. Their long service life and permanent availability underline their outstanding economic advantages. All our products are based on a modular system, enabling us to provide individual, customer-specific solutions.

**WE SET THE STANDARDS
THAT ARE USED TO EVALUATE OTHERS!**



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