

K-CALEMATIC®

ADVANCED SAFETY SYSTEMS

NEW SYSTEM FOR BLOCKING TRUCKS DURING LOADING/UNLOADING OPERATIONS

LOGISTIC
SOLUTIONS



AVOID RISK:

- Unexpected departure of the truck
- Progressive movement of the trailer
- Unexpected departure of the truck and falling over of the forklift driver. Cause to No communication between the bay operator and the truck driver
- Progressive movement of the lorry and fall over of the forklift driver



MAIN ADVANTAGES:

- Immobilize all types of trailers
- Simple and reliable
- Make the operation automatic
- Can be installed in any conditions (new building, existing levelers and wheel guides, ...)
- Simple preventive and curative maintenance
- Enslavement with the loading bay door.

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The **K-CALEMATIC®** New System represents a further step in research for safety of vehicles docked at loading bays during loading/unloading operations. Easy to use, **K-CALEMATIC®** guarantees a safe and continuous function and is at the forefront when it comes to comply with standards in force. This system consists of a series of pneumatically lifted wedges which are placed near the back wheels of the vehicle already in loading/unloading position. **This prevents any accidental movement** which would create danger for people handling the goods.

The structure is **easily installed** at a certain distance from the loading bay, and consists of a precast concrete pit connected, by means of an underneath cable, to a control panel usually fixed to the wall at the side of the opening of the loading bay, in order to allow the operator to comfortably carry out all necessary operations. The controls are simple to use and **guarantee rapid and safe execution**. The solid structure (which derives from an accurate design and use of specific materials) and the quality of the electro-mechanical system, assure long life and low cost maintenance.

K1-CALEMATIC® single chocks version



- 2 concrete pits 11 spaces
- 5 single chocks per pit
- 12 half cover plates per pit
- Composition of the single chock:
 - 1 air cylinder
 - 1 cast iron pedal
 - air connectors
- Option: 6th simple chock



K2-CALEMATIC® double chocks version



- 1 concrete pit 11 spaces
- 5 double chocks per pit
- 2 special half cover plates
- 9 half cover plates
- Composition of the double chock:
 - 2 air cylinders
 - 2 cast iron pedals
 - air connectors
- Option: 6th double chock



OPTIONS:

Electrical Switchgear

This option replace the standard door link. This electrical box allow the operator to rise and retract the chocks via a rotating knob.

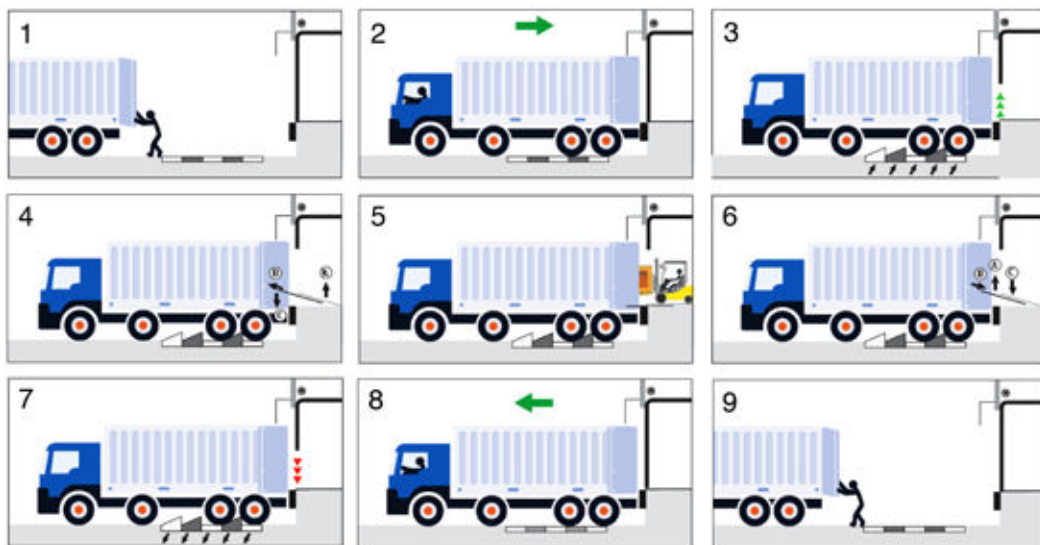
Specifications:

- Dimensions: 300 x 300 x 210 mm metallic
- Input current: 230 or 400 V mono
- Signal in: external command - command by rotating knob
- Signal out: In order - green electric light Out of order - Red electric light Electrical output for two traffic lights kits.



K-CALEMATIC® OPERATIONS:

Principle: loading bay door "open", chocks raised, loading bay door "closed", chocks in lowered position.



The usual working procedure for K-CALEMATIC® is next :

- 1-2. The lorry arrives and reverse over the lowered chocks.
3. The bay operator open the door/barrier lifting up automatically the chocks. *The lorry is immobilized.*
- 4-5. Once the chocks are raised, the forklift driver is allowed to position the dock leveler. *The loading and unloading operations can proceed with minimal risk.*
6. At the end of the loading / unloading operation, the dock leveler is retracted .
- 7-8-9. The bay operator close the door / barrier, that lowers the chocks automatically. *The chocks, when fully lowered allow the lorry to leave. of power failure.*



Signaling lights

On the loading bays, the lights are essential to guarantee the safety of truck docking manoeuvres.

Specifications:

- No bulbs: LEDs are used
- Saving electricity
- IP 65, voltage 24 VDC
- Mono light: space saving
- Easy to install.



CERTIFICATIONS:

Through certifications Kopron offers a further guarantee on efficiency and quality of their products.

All Kopron products are in compliance with EU regulations.

Quality Management System
UNI EN ISO 9001 Certified
Factory Production Control
UNI EN 1090-1 Certified
Welding of Metallic Materials
UNI EN ISO 3834-2 Certified
Steel Processing Center N° 2533/13
Applicable Standard: UNI EN 13241-1

