



**FALL ARREST SYSTEMS S.A.**

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# User's Manual

## RS 300 Mobile tank platform

Ref. No.: RS 300





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## 1. Description of the platform

The RS 300 mobile tank platform is designed to allow safe access to loading hatches in road tankers or container ships.

The platform provides a tanker operator with quick access onto its container and safe completion of the planned activities.

The sliding ladder of the platform makes it possible to adjust the required working height (height of tank).

The shift of the sliding ladder in relation to the immobilized ladder is locked upon adjusting working height. This provides additional protection from lowering the ladder.

The platform provides problem-free crossing from the ladder onto the tank.

The compact design rests on four rubber wheels and can be easily moved to the next manhole and put the platform aside from the vehicle after finishing work.

The construction has aluminium railing, which secures the work station.

The height of the railing prevents from a fall case of tripping or slipping.

The platform ladder has handrails for safe movement of workers along the ladders.

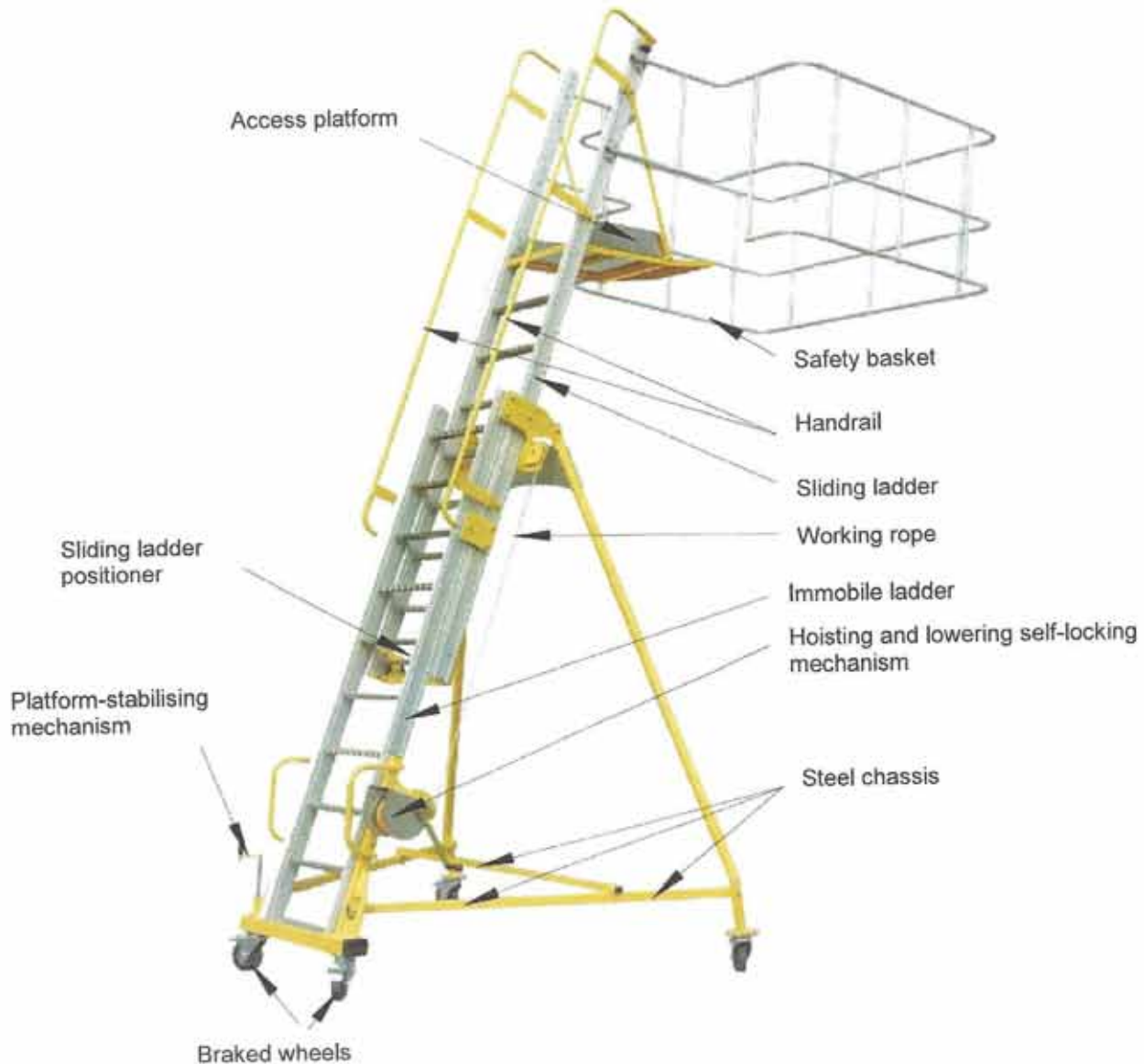
The platform is made of heavy-duty aluminium alloy with a special shape; stable chassis is made of steel protected against adverse weather conditions.

The rungs of the ladder are made of aluminium chequered plate that prevents the worker from slipping during use.

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## 2. Construction of the platform



- safety basket – aluminium tubing with rounded corners, welded
- handrail – steel, corrosion-resistant, painted yellow
- sliding ladder – aluminium, special profiles of the side, non-slip rungs
- working rope – 6 mm wire rope, galvanized
- immobilized ladder – aluminium, special profiles of the side, non-slip rungs
- hoisting and lowering self-locking mechanism – certified mechanism, elements of the mechanism protected against corrosion (zinc plated), manual crank adjustment
- steel chassis – stable chassis, which is the main structure of the platform, protected against corrosion, painted yellow
- wheels with brakes – rubber wheels with brakes, each with a load-bearing capacity of 650 kg
- platform-stabilizing mechanism – a mechanism that provides additional support while using the platform on an uneven surface
- sliding ladder positioner – designed to lock the position of the sliding ladder in relation to the immobilized ladder
- access platform – provides safe access onto the road tanker



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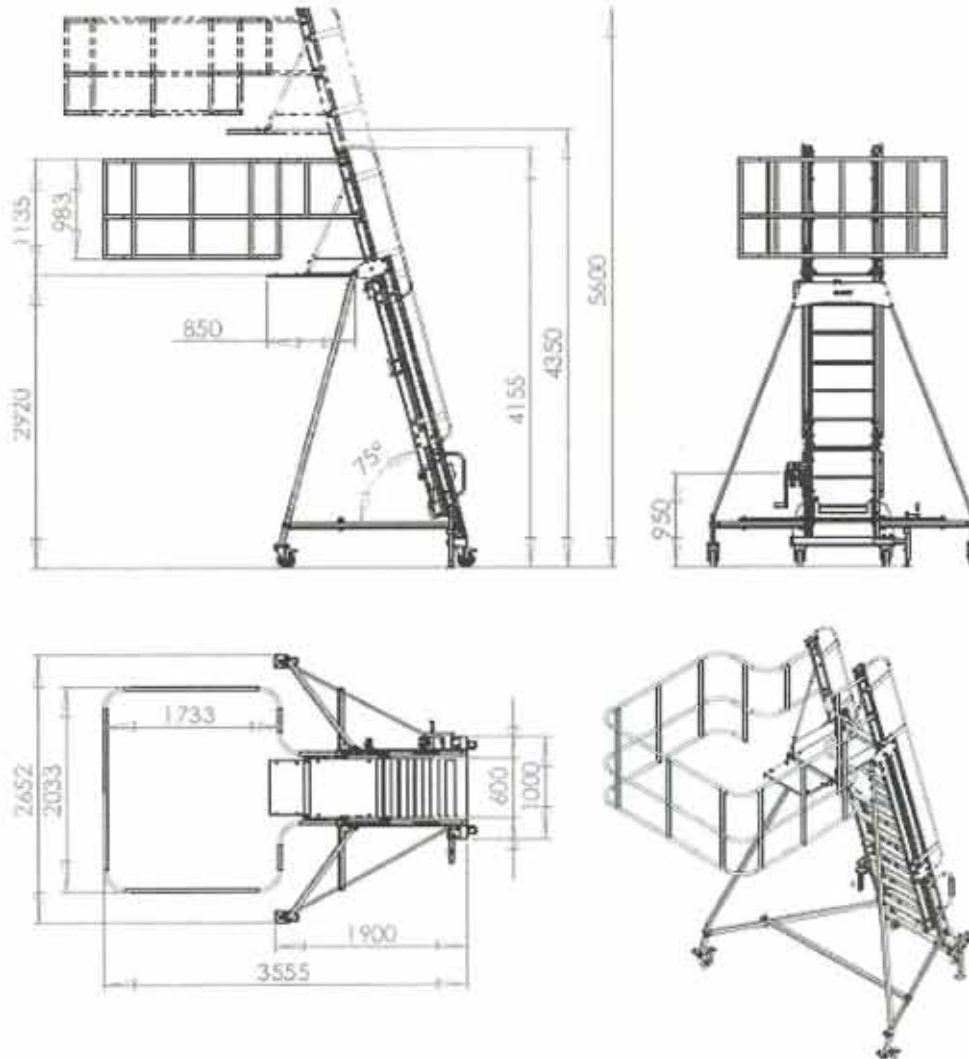
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### 3. Technical data of the platform

- Dimensions – as per the figure below



- working load limit - 120 kg (1 person)
- total weight - 160 kg
- working height - 2.95-4.35 m
- dimensions
  - retracted platform 3.55 m x 2.65 m x 4.30 m
  - extended platform 3.55 m x 2.65 m x 5.60 m





## 4. Installation of the platform

Before starting work with the mobile tank platform, make sure that it is not damaged or unfit for use. To do this, carry out a general visual inspection of the platform. Do not perform any work using the platform if you have any doubts as for the technical condition of the platform! To properly prepare the platform for operation follow the recommendations described below in the following sequence:

1. Release the brakes (1) on four wheels of the platform.
2. Using the handles (2) bring the platform close to the tank in the vicinity of the workplace. While moving the platform, you can also use slanted props (A).
3. After placing the platform in the vicinity of the tank, using self-locking mechanism for hoisting and lowering (3), pull out the sliding ladder (4) so that the lower edge of the aluminium basket (5) is at approx. 0.5 m above the tank. To eliminate the possibility of moving at that moment, lock the brakes on two wheels the platform near the user.
4. Then, release both locked brakes and holding the handles (2) bring the platform closer to the tank so that the front wheels come into contact with the chassis of the tank.
5. Lock all four wheels of the platform (1) and by turning the knob to the right, lower the stabilizing base (6) so that its foot touches the ground.



6. Using a self-locking mechanism for hoisting and lowering (3), lower the sliding ladder (4) so that the folding platform (7) contacts the platform of the tank's container or (for the container ship) with the container.
7. Lock the locking knob (8), located permanently on the sliding ladder (4) in the marked location. To do this, unscrew the plastic knob several turns to the left, to allow rotation of the lock relative to the axis of its rotation. Then turn the lock so it rests on a rung of the immobilized ladder (9). Then, tighten the plastic knob so that its threaded part comes into the opening in the steel housing of the mechanism.
8. Exercise caution when climbing the ladder. While climbing up, take "one step" at a time, holding the handrail (10). Always keep both hands on the handrails. You must be directed to the front of the ladder when climbing it. After accessing the upper platform (7), you can let go of the handrails. Move cautiously in the protective basket (5), because of the protruding parts in the construction of tanks or containers, which can cause slip and fall.
9. After completing work with the tank you start climbing down. When standing on the upper platform (7) you should turn to face the platform. Holding the handrail, begin climbing down. Do not climb down from the platform if you are directed towards the open space.
10. Do not move the platform if a person working on it.
11. After the worker finished climbing down the ladder, the platform can be moved to another workplace; to do this, follow the steps from 4 to 7 in reverse order (7, 6, 5, 4), and then repeat them in an ordinary sequence to prepare the unit for further use.
12. Upon finishing the work, follow the steps 1-7 in reverse order (7, 6, 5, 4, 3, 2, 1) and slide down the sliding ladder (9) and block all four brakes. Thus, the platform can be left prepared for the next use.



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## 5. Description of the platform marking

1. Name / type of the device – **MOBILE TANK PLATFORM**
2. Month and year of manufacture - **Date of manufacture: MM.YYY**
4. Device serial number – **Serial Number: xxxxxxxx**

5. Note: Read the manual - 

6. Marking of the manufacturer or distributor of the device -



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## 6. Main principles of use of the platform

1. The RS 300 mobile tanks platform must be used in accordance with its intended purpose.
2. People using the platform must read the user's manual.
3. The platform cannot be used by people whose health condition may affect safety during everyday use.
4. You need to prepare a rescue plan that can be used in case of need.
5. Any modifications to the device without the written permission of the manufacturer are forbidden.
6. Any repairs to the device can be made only by the device manufacturer or an authorized representative.
7. Before using the device, make sure that all components are working properly. Please carry out a thorough visual inspection.
8. The platform should be maintained and inspected at least once a year. This inspection should be carried out by the manufacturer or an institution specified/authorized the manufacturer.  
Regular periodic inspections are essential for the proper condition of the device and safety of the user, which depends on the full efficiency and durability of the device.
9. During the periodic inspections check the readability of all labels on the device.
10. Keep the platform clean, the gangway of the ladders must not be soiled by lubricants or chemicals.
11. Report to your immediate supervisor all doubts concerning the proper functioning of the device.



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## 7. Service sheet of the platform

### SERVICE SHEET

|                    |                               |            |                |                     |         |
|--------------------|-------------------------------|------------|----------------|---------------------|---------|
| Name of the device | Mobile platform               |            |                | Type                | RS 300  |
| Serial No.         | 00 00 000                     | Length [m] | ---            | Date of manufacture | mm/yyyy |
| Date of receipt    | dd/mm/yyyy                    | Location   | Country / City |                     |         |
| User               | Address of the Company / User |            |                |                     |         |

### INSPECTIONS AND REPAIRS REGISTER

|    | Date | Reason of the inspection / repair | Observed damages / performed repairs / etc. | Date of next inspection | Name and signature of the authorized person |
|----|------|-----------------------------------|---------------------------------------------|-------------------------|---------------------------------------------|
| 1  |      |                                   |                                             |                         |                                             |
| 2  |      |                                   |                                             |                         |                                             |
| 3  |      |                                   |                                             |                         |                                             |
| 4  |      |                                   |                                             |                         |                                             |
| 5  |      |                                   |                                             |                         |                                             |
| 6  |      |                                   |                                             |                         |                                             |
| 7  |      |                                   |                                             |                         |                                             |
| 8  |      |                                   |                                             |                         |                                             |
| 9  |      |                                   |                                             |                         |                                             |
| 10 |      |                                   |                                             |                         |                                             |
| 11 |      |                                   |                                             |                         |                                             |
| 12 |      |                                   |                                             |                         |                                             |