



User manual for the movable  
loading platform  
MP-AMP-BMP-C



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## INTRODUCTION

We, **Metallica LLC.**, thank you for purchasing our product.

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This manual is a handbook of instructions on how to operate and maintain the mobile platform properly and it serves to introduce the design, operation and maintenance of the movable platform to the maintenance personnel. The carrying out of instructions will ensure long life of the equipment. The instructions described in this manual can't give 100% guarantee for operating safety and don't release operators from the need to follow all local and/or national safety regulations, laws and codes. In case of loss of the manual, you should ask for an additional copy or download it at web-site [мобильная-рампа.рф](http://мобильная-рампа.рф), [www.gelezo-spb.ru](http://www.gelezo-spb.ru).

It is extremely important for an operator to have the manual so he/she could see how to operate the equipment properly. The manufacturer doesn't control the equipment operation, maintenance and location. The operator bears all responsibility for safety operation and maintenance. The proper training and safe handling will ensure not only the operator safety but the safety of the people who work next to him/her.

## PRODUCT DESIGNATION

The movable loading platform represents a steel structure equipped with a lifting device (jacks) and transport wheels. It is used in the area of a warehousing logistics to carry out handling operations. The movable loading ramp is a mobile loading bridge ensuring the free access of the loader to the car body, flatcars and buildings equipped with a high entrance ramp.

## SPECIFICATION\*

No.	Characteristic	Value
1	Nominal lifting capacity	7 t
2	Regulated platform lift	1.1 – 1.6m
3	Transportation wheels 5.00x8	2 pcs.
4	Side section	I-beam 30Б1
5	Cross beam	I-beam 20Б1
6	Upper floor, sheet	Expanded steel sheet 510
7	Safety barriers	Yes
8	Base coat, painting	Yes
9	Overall platform length, mm	12000**
10	Platform width, mm	2000***
11	Width of the drive part, mm	1700
12	Length of the horizontal part, mm	3000****
13	Length of the incline, mm	8000
14	Number of ramp doors + (dimensions, mm)	Upper 1 pc. (1700x500)***** Lower 1 pc. (1700x500)

\* - for not standard movable loading platforms manufactured according to custom drawings the specification shall be read in the data sheet

\*\* - for movable loading platform 9m the value is 9000 mm

\*\*\* - for movable loading platform with three-sided unloading, the width of the horizontal part is 2300 mm

\*\*\*\* - no specification for movable loading platform 9m

\*\*\*\*\* - for movable loading platform with three sides unloading shall be read as follows: Upper 3 pcs. (2000x500)

## COMPLETE SET\*

The equipment complete with:

1. Movable loading platform – 1 piece
2. Transportation wheels 5.00x8 – 2 pieces
3. Lifting system (jack) JOST – 1 piece
4. Fixing devices of supports – 4 pieces
5. Turnbuckles to fix access ramps– 4 pieces
6. Data sheet – 1 piece
7. User's manual – 1 piece
8. Certified copy of GOST R certificate – 1 piece

*\* - the complete set may differ for not standard movable loading platforms manufactured according to custom drawings*

## DESIGN

The movable loading platform consists of two lateral main beams, longitudinal and transverse beams, top and bottom access ramps, lifting device (JOST jack system) and wheelbase.

The fixing devices for supports and turnbuckle to fix the access ramps in a run-down state and to couple to a truck during handling operations come with the movable loading platform.

The platform is covered with an expanded steel sheet and welded grating to maximize the adhesion of the truck wheels with the ramp coating and to allow the water drain freely. The access ramps are made from offset bulb flat steel with the reinforcement ribs installed from the other side. There are eye lugs for the fork of the loader in the bottom access ramp.

The ramp is painted with a long lasting paint resistant to corrosion.

## SAFETY MEASURES

1. Only those who have read this user manual and have examined the equipment and its operation procedure, safety measures and transportation rules are allowed to work with the platform.
2. It is necessary to examine the overall condition of the equipment.
3. Check that the upper access ramp securely lies on the loading area of a car body before handling operation.
4. The movable loading platform is allowed to operate only on the hard surfaces.

## TRANSPORTATION

1. The platform may be transported by auto, railway and water transport in accordance with the regulations specified for the type of transport. The equipment shall be loaded, unloaded, located and fixed on the transport in a manner that ensures its safety.
2. It is necessary to lift the front supports with jacks and lower the platform on the wheels and then return the jacks to original position. There are eye lugs for the fork of the loader in the bottom access ramp to move the platform.
3. The speed of the loader during transportation of the platform shall not exceed 10 km/h.

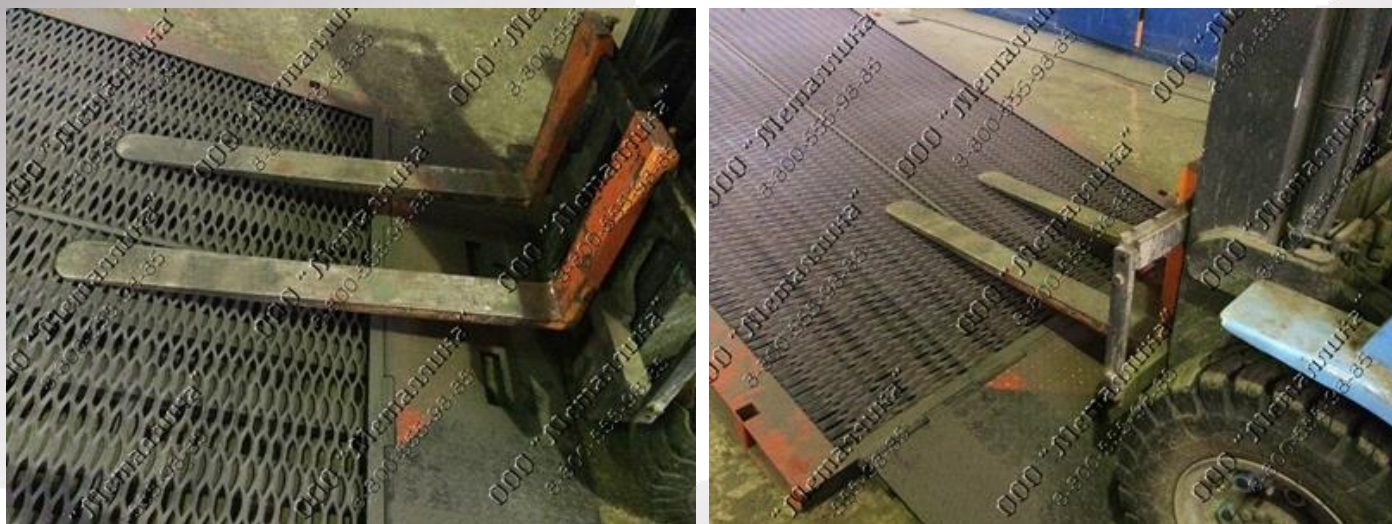
## OPERATING RULES

1. Align the cabin of a car according to the upper access ramp and back drive carefully.
2. Lower the jack with the help of an arm to the level necessary to couple a car. Adjust the front supports for height and fix them with special fixing devices. **When the supports are fixed, the jack shall be lifted.**
3. Disconnect the turnbuckles from the access ramps. Move the upper access ramp down to a car body. Make sure that the upper access ramp lies reliably on the loading area of a car body. The platform is ready to operate.
4. When the work is finished, lift upper and lower access ramps and fix them with the help of turnbuckles.
5. Drive the car away carefully.

### IT IS FORBIDDEN:

- to use a loader or other machines with tire chains on the platform;
- to excess the lifting capacity of the platform;
- to carry out handling operations when the platform is in the wheels and not on the supports;
- to operate the platform when the supports are not adjusted or fixed;
- to use more than one unit of equipment at the same time during handling operations;
- to lift and to install the platform with the help of lifting devices (beam crane, jacks etc.) with loader and/or load situated on the platform;
- to operate the platform installed on a jack without adjusted and fixed supports;
- to disturb the height adjustment range;
- to stay under the platform during maintenance of the platform and/or height adjustment when the supports are not fixed;

- to affect the platform surface with forks or tower (fork arm) of the loader. The loader driver shall control the level of lift and incline of the loader's working members and adjust them in a way that they don't affect the grating, when the loader enter or move out of the platform. **Important:** if the rules are not followed, the grating may be damaged. You can see the incorrect position of the loader's working members towards the platform grating.



## RATE

The daily permissible load on the movable loading platform (mobile ramp) is 80 tons, which is equal to 4 trucks by 20 tons capacity.

## MAINTENANCE

The maintenance is scheduled depending on the operation conditions.

1. **Wheel assy.** Regularly check and adjust the hub bearings, if necessary. Regularly change the lubricant in the wheel hubs. Regularly check the wheels and wheel nuts tight.
2. **Jack.** It is necessary to visually check the jack for cracks and deformations. The feeding screw and nuts as well as the transmission gear shall be lubricated once a year. The detailed instruction on how to operate JOST jacks you will find at the web-site [www.jost.ru](http://www.jost.ru)