

Motorcycle Bike Lift "JMP 500" For motorcycles and scooters up to 500 kg



- **GB** Motorcycle Bike Lift "JMP 500"
- © Motorcykle Lift "JMP 500"
- PD Podośnik motocyklowy "JMP 500"
- **E** Plataforma moto "JMP 500"
- Ponte sollevatore per motociclette "JMP 500"



Johannes J. Matthies GmbH & Co. KG Hammerbrookstr. 97 20097 Hamburg, Germany www.jmproducts.eu info@jmproducts.eu

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Contact

Manufacturer: Johannes J. Matthies GmbH & Co. KG Hammerbrookstr. 97 20097 Hamburg Tel. +49 (0) 40 2 37 21 – 0 Fax. +49 (0) 40 2 37 21 – 363

Internet: http://www.matthies.de E-Mail: info@matthies.de

Service and Repair: Matthies Werkstatt-Dienst Hammerbrookstr. 78 20097 Hamburg

Tel. (0 40) 73 44 17-0 Fax (0 40) 73 44 17-199

Internet: http://www.matthies.de E-Mail: service@matthies.de

Operating instructions

1. Safety information

- It is essential to read the instructions before using the lift
- The lift may be operated only by persons authorized to do so
- Please ensure that all electric cables are always undamaged, to avoid the danger of electric shock
- When raising and lowering the lift, please ensure no part of the body can get caught
- If any problem occurs, stop working with the lift immediately and contact the Matthies workshop service or your distributor
- The lift must be installed on a flat and level surface
- The work space around the lift must be clean and clear
- Please ensure the vehicle is firmly and securely attached when raising and lowering the lift. Raise the lift briefly and ensure the vehicle is correctly and securely mounted
- The operator must maintain visual contact with the lift when raising and lowering it
- No-one must ever sit or stand on the lift

2. Important information

Before initial operation of the "JMP 500" lift, please read these operating instructions carefully, and follow these instructions. Please contact the Matthies workshop service if you have any questions.



Caution: Electrical voltage. Must be installed by a qualified electrician.

3. Items delivered

1x JMP 500 lift, pre assembled 2x tooltray for fitting to the side of the lift

4.	Tee	chn	ical	data

Minimum height:	19 cm
Maximum height:	130 cm
Maximum load:	500 kg
Unladen weight:	300 kg
Full ascent time:	30 sec
Full descent time:	30 sec
Supply voltage:	230 VAC
Powerconsumption:	0,75 KW

5. Permitted use

The following use is permitted:

- The lift may be used only for lifting motorcycles, scooters and other two-wheelers up to a weight of 500 kg
- The lift may be used only in dry indoor areas
- The lift may be used only for raising a vehicle to carry out maintenance or repair work
- The lift may be used only for people who have been instructed in the operation and safety information of the lift

Note following use is not permitted:

- Outdoor use
- Lifting any vehicle or other equipment exceeding the maximum load of 500 kg, or whose dimensions impair its stability
- Standing on the lift
- Use for lifting people

6. Installation

6.1. The "JMP 500" lift may be installed and operated only by qualified persons.

- 6.2. The "JMP 500" lift may be installed and operated only in dry indoor areas. A flat area of at least 250 x 200 cm is required for installation to provide a firm base for the lift and the mechanic working on it.
- 6.3. It is expressly not permissible to use the lift in the following areas:
 - a) Areas subject to explosion or fire hazard
 - b) Areas that are wet or damp
 - c) Outdoors
- 6.4. Electrical supply: The "JMP 500" lift requires a 240V/10A power supply. The "JMP 500" lift is supplied to you preassembled. Please remove the lift from its protective packing and conduct a thorough visual inspection of the lift for transport damage. Please also check all electrical cables and hydraulic hoses for damage.
- 6.5. The electrical supply may be connected only by a qualified electrician. Installation requires a safe supply cable that is protected against mechanical stress.

7. Operation

The lift may be operated only in full acceptance of the complete operating instructions, so please read these instructions in full before initial operation.

The lift may be operated only by qualified persons. Please note that in correct operation can lead to serious accidents!

7.1. Raising / Lowering

The lift is controlled by a cable-connected remote control. The lift is raised or lowered for as long as the "UP" or "DOWN" button is pressed.

Themotor will stop running once the lift reaches full height.

7.2. Safety bar

In the unlikely event of the hydraulic unit failing, a mechanical safety bar prevents uncontrolled lowering of the lift.

The platform can be raised at any time, automatically lifting the safety bar.

To lower the platform intentionally, the safety catch must first be released to lift the safety bar. The platform can now be easily lowered.

When the platform has been fully lowered, the safety catch automatically engages again.

7.3. Safety switch

In order to prevent unintentional operation of the lift while working, it is also possible to disable the entire lift by activating the safety switch. The disabled state enables work to proceed without the danger of the platform moving up or down.

8. Checking the safety functions

Regularly check that the safety bar moves freely and works correctly:

- The safety bar must automatically engage smoothly when the lift is raised.
- The safety bar must automatically reactivate when the lift is fully lowered.
- The integral limit switch must switch off the pump electrically when the ramp is fully raised.

If any of these safety functions does not work, or if you are uncertain, please immediately contact the Matthies workshop service or your distributor.







9. Maintenance

The lift requires regular mainte2nance for safe operation. Please have your lift fully serviced at least every 24 months by the Matthies workshop service or your distributor.

10. Troubleshooting

The lift cannot be raised.

- 1. Has the maximum load of 500 kg been exceeded?
- 2. Is the lift connected correctly? Is the power supply on? Has a circuit-breaker tripped?
- 3. Has the lift's circuit breaker tripped? Make sure the lift is unplugged from the mains power supply, remove the front cover and check the circuit-breakers.
- 4. Is there sufficient hydraulic fluid? Make sure the lift is unplugged from the mains power supply, remove the front cover, and check the level.

The lift cannot be lowered.

- 1. Check the safety catch is disengaged, enabling the lift to be lowered. If this is not the case, raise the lift slightly and then try to disengage the safety catch.
- 2. Is the lift mechanically jammed? Check the lift for mechanical obstacles.
- 3. Is there sufficient hydraulic fluid? Make sure the lift is unplugged from the mains power supply, remove the front cover, and check the level.

If these steps do not solve the problem, please contact the Matthies workshop service or your distributor.

11. Spare parts The "JMP 500" lift should be maintained and repaired only by qualified engineers. Replacement parts must always be fully compatible with the original components in terms of quality and design. Please contact the Matthies workshop service or your distributor as necessary to discuss how to proceed.



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Lift spare parts (available for immediate delivery) Please address any questions to the Matthies workshop service.

Nr	Nr JM	Description
4	656 00 27	Hydraulic Cylinder assy.
5	656 00 28	Lower Cylinder pin
6	656 00 29	Scissor pin
7	656 00 30	Upper Cylinder pin
9	656 00 32	Scissor pivot pin
14	656 00 33	Safety catch knob
18	656 00 34	Wheel end bar
22	656 00 35	Wheel clamp locking pin
23	656 00 36	Wheel clamp, complete
26	656 00 37	Tool tray
27	656 00 38	Gate
28	656 00 39	Gate slide pin
30	656 00 40	Scissor roller wheel

Nr	Nr JM	Description
47	656 00 41	Limit switch
54 & 55	656 00 42	Hydraulic pump unit
56	656 00 43	Junction box
60	656 00 44	Remote control
61	656 00 45	Cylinder barrel
62	656 00 46	Cylinder head
63	656 00 47	Wiper ring
64	656 00 48	Rod seals
65	656 00 50	Cylinder head seal
66	656 00 51	Cylinder rod
67	656 00 52	Hydraulic piston
68	656 00 53	Piston seal

12. Circuit diagram



to batch number 2014-06-0140

SB1	Ascent switch	FU	Fuse
SB2	Descent switch	KM	Motor relay
SQ	Upper limit switch	YV	Descent valve solenoid
QS	Main switch		

from batch number 2014-06-0141



SB1	Ascent switch	FU	Fuse
SB2	Descent switch	KM	Motor relay
SQ	Upper limit switch	YV	Descent valve solenoid
QS	Main switch	TC	Transformer 24V

13. Hydraulics



1	Hydraulic cylinder	6	Pump
2	Non-return valve	7	Motor
3	Pressure-relief valve	8	Filter
4	Descent valve	9	Fluid reservoir
5	Descent restrictor valve		

We,

Johannes J. Matthies GmbH & Co. KG Hammerbrookstr. 97 Hamburg Germany

certify and declare that the following machine complies with the appropriate basic health and safety requirements of the EC Directive based on its design and type, as brought into circulation by us.

In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity.

Motorcycle lift

EN 1493:2010 EN 60204-1/A1:2009

JMP 500

JMP

Machine Description:

Model Type:

Brand name:

Serial Number:

Applicable EC Directives:

Applicable Harmonized Standards:

Authorized Signature/Date:

24.01.2013 V

Machinery Directive: 2006/42/EC Low voltage directive 2006/95/EC

Title of signatory:

Documentation officer:

Stefan Onken (Product Manager) Hammerbrookstr. 97, 20097 Hamburg

This Declaration of Conformity has been prepared by TÜV Product Service. A specimen of this product meets the requirements of conformity test carried out by TÜV Product Service according with the applicable standards under the mentioned directives.

TÜV Product Service report reference no.:

70.520.12.1202.01-00 Date December 16, 2014 Revision 1