



## **HBM 100 Motorcycle Lift.**

Rated Capacity: 360 Kg.



**HBM**  
Machines

**English Instruction Manual.**

**READ THIS MANUAL CAREFULLY BEFORE  
OPERATING THE MOTORCYCLE LIFT.**

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# WARRANTY

This HBM Machines product complies with the highest standards of workmanship, durability and safety. HBM Machines guarantees original buyers a faultless operation of its products for a one year period with respect to material and construction.

This warranty is null and void in case of defects occurring due to the following causes:

- Normal wear
- Lack of attention, ignorance, unsafe pworking procedures, lack of care during transport or storage.
- Lack of maintenance or maintenance carried out against the rules laid down in this booklet
- Use of the product for any work for which it was not intended; exceeding the rated capacity. Transport without proper care
- Shifting machinery without making use of proper lifting/ carrying gear
- Failure to read and/ or understand the rules and guidelines explained in these instructions.
- Every use for which the product was not designed. These instructions state very clearly all goals for which the product can be used. All other work is prohibited!
- Operation of the machinery by persons who have not or insufficiently been educated or instructed in its operation or who do not or insufficiently understand its operation.
- Operation of the machinery by persons without sufficient experience, in case of Their working without direct supervision by a teacher.
- Operation of the machinery by persons under the influence of medicines which impair one's ability to react, or by persons under the influence of alcohol or drugs.
- Operation of the machinery by persons under the age of 16, or by persons aged between 16 and 18 without direct supervision by a teacher.
- Repairs which are or have been made without prior written consent by HBM Machines.
- Any change or alteration made in the machinery by the customer (owner).
- Accidents or damage, caused by all causes from without, including damage during transport, during storage on the clients' premises, damage caused by objects or persons falling on or knocking against the machinery. Damages caused by acts of God are also excluded from the warranty. Please note that the examples of external causes are not comprehensive.

In no case shall HBM Machines be liable for the death or injuries of persons, for damages to goods or to the machinery itself, which was caused by operation of machinery supplied by HBM Machines.

## MAKING USE OF WARRANTY

- To use your right to warranty you should send the machinery or its part to us, postage paid. Please include a proof of purchase and explain your complaint to us.
- In case our customer service finds a fault, we shall repair or replace said machinery or its part. In case this proves impossible or impractical, or cannot be done within a reasonable term, we will refund your purchase price. The cost of returning the machinery or its part to you shall be borne by HBM Machines.
- In case of our customer service ascertaining that there is no fault in the machinery or its part, or when it is established that the fault or damage arose because of events or causes not included in the warranty (see list above) the client is bound to pay the fees for transport and safe keeping.

## PLEASE ACT RESPONSIBLY

It's impossible to enumerate all possible uses for which a given product is NOT suited. All these dangerous, ill-advised or hazardous uses have been captured under the phrase *Use of the product for any work for which it was not intended*. If you should be in doubt whether a specific use of the product would be allowed or not, you are advised to:

- Ask for advice from an expert user. This can't do any harm. Who starts operating a machine without having the necessary experience or education may be taking a serious risk and will be held responsible for all consequences!
- Ask HBM Machines for advice.
- Study the EC legislation with respect to machinery and safety
- Read Books about the subject of proper use and design of machinery.

→ Please maintain your machine well. By doing so you can extend its lifetime considerably. Regular maintenance will prevent premature wear and promotes precision. Moreover, a well maintained machine will be safer than an ill-maintained one.

Please note. Where machine/ machinery is mentioned, this also includes tools.

# **SAFETY MEASURES**

- 1. Only well trained personnel is allowed to operate this machine. In case you are unfamiliar with this type of machine, please get educated before you start operating it!**
- 2. All safety shields must remain intact and in place. Removal of safety shields is strictly prohibited. You are responsible for keeping all safety measures in proper working condition!**
- 3. DO NOT STAND UNDER A SUSPENDED LOAD. KEEP HANDS AWAY FROM MOVING PARTS! Do not lift unstable loads. DO NOT use the lift to permanently support a load. Shift the load to a rigid, safe and fixed means of support.**
- 4. You must prevent the machine from being inadvertently switched on.**
- 5. Never force a machine. Never exceed the rated capacity!**
- 8. RELEASE the cylinder pressure before you start any maintenance or repair job.**
- 9. REGULARLY CHECK for damaged parts. Broken parts can be dangerous. Check if operation is not impeded. Replace worn and damaged parts as soon as possible. Do not operate machine before such parts have been replaced.**
- 10. Never leave a working machine unattended. Shut off first. Release pressure!**
- 11. Keep the workshop clean. Rubbish promotes accidents!**
- 12. Never use machinery under hazardous conditions./ Make sure of proper lighting and ventilation. Do not expose machinery to moisture, rain and snow. Don't operate a machine when you are tired, ill or using medicines which affect your reaction abilities. Never operate a machine when under the influence of alcohol or drugs!**
- 13. Keep children and visitors at a safe distance.**
- 14. Workshops are danger areas for children. Please lock up after you leave. Prevent children and laymen from entering the workshop without your consent. Use multiple switches to prevent machines being switched on by the ignorant.**
- 15. BEWARE! Please wear anti slip footwear. If your hair is long, put it under your clothes. If necessary or applicable, wear eye protection, ear protection or a face mask. Normal spectacles will not protect your eyes!**
- 17. Never reach across or through machines, in particular when in operation. Ensure a safe body posture.**
- 19. Never try to adjust a working machine!**
- 20. Please read and heed the safety stickers on the machine. Keep them legible and replace them when necessary. Removing such warning stickers is a crime and could lead to legal actions!**
- 21. These instructions for use are not a substitute for proper education.**
- 22. In case you do not comply with any of the rules, guidelines and warnings given here and on the machine, you are taking the risk of accidents, injury and damages which may even result in death. You will be held responsible!**



## **SPECIFICATIONS**

|                   |               |
|-------------------|---------------|
| Lifting capacity: | 360 Kilogramm |
| Width:            | 480 mm.       |
| Minimum height    | 220 mm.       |
| Maximum height    | 780 mm.       |
| Overall length    | 2215 mm.      |

## **INSTALLATION**

Unpack the crate and check the contents. In case of missing or damaged parts please call HBM Machines.

- Mount the roll-on ramp (31) on the end of the support plateau (32)
- Mount the front wheels (35 and 47) at the front side of the plateau (32). Use the bolts (33), Rings (34) and nuts (38).
- Mount the faceplate (39) using the bolts (33), Rings (34) and nuts (38).

## **PREPARATION FOR FIRST USE**

--Leave the pump for at least an hour. The oil can now release its air bubbles; the air collects up top and can be expelled.

### **NOTICE**

In case you don't allow sufficient time for this your machine just will not operate as it should. You can't expel the air properly and you will end up waiting some more!

- The air is expelled by pumping it out. This is done by fully depressing the exhaust pedal (10) followed by pumping action, some 15 to 20 strokes of the lifting pedal (7)
- Now try out operation without any load. Go to the highest point you can reach and then let the lift down SLOWLY. The exhaust pedal is depressed GENTLY so the lift comes down at its leisure.

## **WORKING PROCEDURE**

### **WARNING**

Please read and understand all warnings, notices and advice before you start operating this lift. In case of non-compliance you are taking a risk of accidents and injury. You will be responsible for the consequences!

- The lift is to be put in a suitable place. You should check the surface which must be horizontal and able to support the load. We advise you to put the lift on a concrete surface.
- You turn the adjusting bolt (30) down until the wheels (18) come off the floor. Your lift is now entirely supported by its feet.

-- You may now roll your motorcycle up the ramp, onto the lift.

### **WARNING**

Before you can raise the lift, please check that the motorcycle is carried entirely by the lift – NOT by the ramp. No part of the motorcycle should be carried by the ramp at any time!

### **BE CAREFUL**

The ramp is designed only to help roll wheels onto the supporting structure. You may only do this when the lift is in its lowest position.

-- You can now clamp the front wheel, limiting movement.

-- Using a guy rope fix the motorcycle immovably on the lift. Motion should be restricted as far as possible.

-- You can now lift the motorcycle using the pedal (7)

-- Once you arrive at the preferred height you can stop further movement by introducing the safety bar (48) into the hole in the frame. Further movement is now impossible.

-- If you have finished your job, please check to see (1) if no tools are left lying around and (2) whether the lift can descend without a hitch.

-- Only then can you take out the safety bar (48) and GENTLY depress the exhaust pedal (10) to slowly lower the motorcycle.

### **NOTICE**

The lowering speed depends on how much the exhaust pedal is depressed. Please lower your motorcycle gently.

-- When the motorcycle has been fully lowered you can release the guy rope and clamp, and roll it off the lift using the ramp.

### **MAINTENANCE AND CHECK-UPS**

-- In case you're storing the lift for an extended period, keep it in a dry place to prevent rust from developing. The cylinder, ram and piston are susceptible.

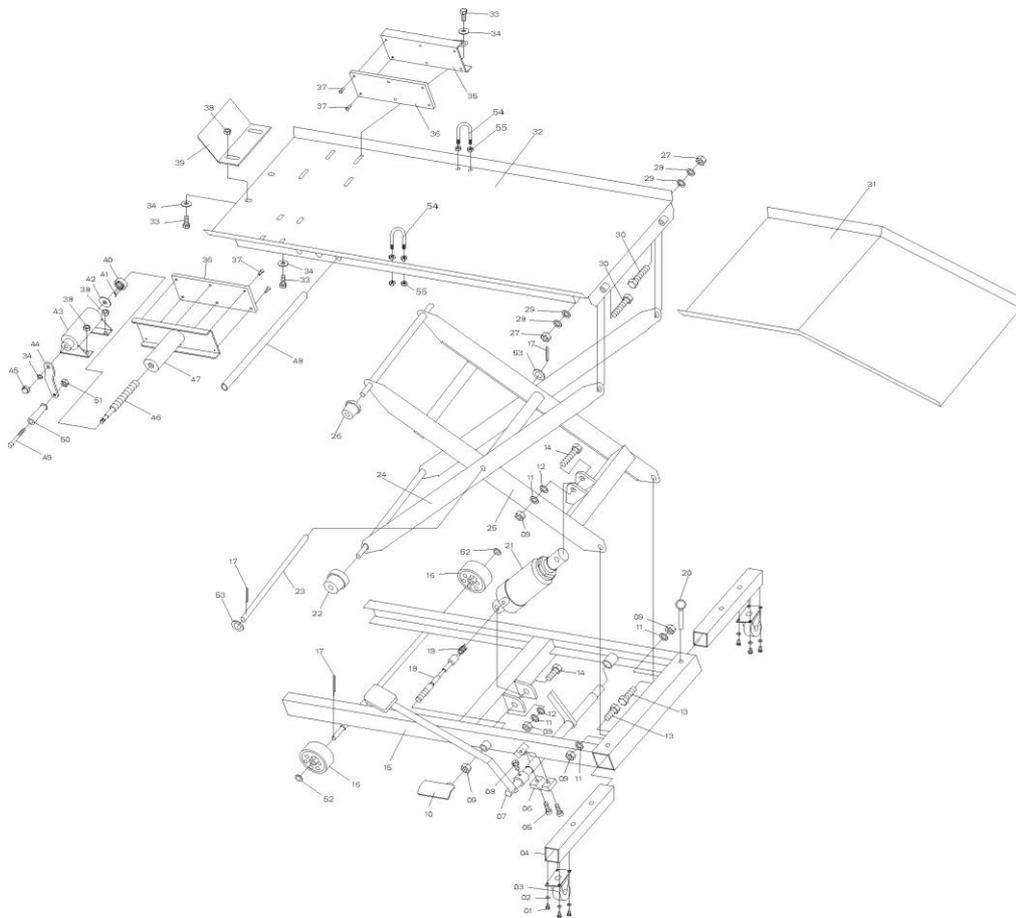
-- keep your lift clean. Oil and dirt are to be wiped off; don't forget to lubricate moving parts regularly.

-- Often check the ram for rust. Keep it slightly coated and clean by applying machine oil on a clean rag.

-- Check the lift before use. In case of damage or doubt have it checked or repaired. Please have repair done by qualified technicians only.

-- You should often check the oil level. In case of a dropping level you should top up with the same oil. Never mix different oils. Use only hydraulics oil since many kinds of oil will dissolve the gaskets!

-- In case of bad performance or difficult lowering, false air is usually the cause. See under preparation for first use what to do, viz., expelling false air.



### PARTS LIST

| Nr | part                | Nr. | part                            |
|----|---------------------|-----|---------------------------------|
| 1  | Bolt M6x25          | 2   | Ring M6                         |
| 3  | Wheel assembly      | 4   | Detachable leg                  |
| 5  | Bolt M8x30          | 6   | Half clamp                      |
| 7  | Lifting Pedal       | 8   | Bolt M8x15                      |
| 9  | Hex nut M16         | 10  | Exhaust Pedal                   |
| 11 | Containing Ring M16 | 12  | Ring                            |
| 13 | Bolt M16x45         | 14  | Bolt M16x90                     |
| 15 | Frame               | 16  | Front wheels                    |
| 17 | R-lock              | 18  | Foot bar of Hydraulics Cylinder |
| 19 | Spring              | 20  | Pin                             |
| 21 | Hydraulic Pump      | 22  | Steel wheel                     |
| 23 | Pin                 | 24  | Lifting Arm                     |
| 25 | Lifting Arm         | 26  | Steel wheel                     |
| 27 | Hex nut M12         | 28  | Container ring M12              |
| 29 | Ring                | 30  | Bolt M12x45                     |
| 31 | Ram                 | 32  | Plateau                         |
| 33 | Bolt M10x20         | 34  | Ring                            |

|    |                  |    |             |
|----|------------------|----|-------------|
| 35 | Right clamp part | 36 | Rubber      |
| 37 | Bolt M6x16       | 38 | Hex nut M10 |
| 39 | Guy plate        | 40 | Bearing     |
| 41 | Bearing          | 42 | Ring        |
| 43 | Pressure plate   | 44 | Handwheel   |
| 45 | Handle           | 46 | Bolt        |
| 47 | Left clamp part  | 48 | Hex nut     |



**H.B.M. Machines B.V.**

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**EG – DECLARATION OF CONFORMITY**

***Certificate of Compliance***

*In Compliance with:  
EG-Machinery Ruling 2006/42/EC*

We hereby state that the machinery concerned, its layout and construction all comply with applicable EC rulings concerning health and safety. Any change to this machinery without prior permission in writing issued by ourselves will make any and every guarantee to said machinery NULL AND VOID.

|   |  |
|---|--|
| <b>Description and nature of the Machine:</b>   | <i>Motorcycle Lift</i>                         |
| <b>Model and series:</b>                        | <i>HBM 100</i>                                 |
| <b>Serial Number:</b>                           |  |
| <b>Year of construction:</b>                    | <i>2011</i>                                    |
| <b>Harmonised EC rulings which are applied:</b> | <i>EN 1570:1998+A2:2009.</i>                   |
| <b>Date and Place:</b>                          | <i>NL 2741 PA Waddinxveen.<br/>01-08-2009.</i> |
| <b>Signature/ Stamp:</b>                        | <i>Herman Buitelaar<br/>( Manager )</i>        |

A handwritten signature in blue ink, appearing to be 'Herman Buitelaar', is written over a faint, light blue circular stamp or watermark.