

## **User manual**

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### **This documentation.**

This documentation has been prepared in English by:

VDM-Trailers BV

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### **This documentation belongs to the following trailers Types.**

All trailers of type O1 single axle and double axle

### **From following manufacturer.**

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## WARRANTY AND LIABILITY

### WARRANTY

Unless otherwise agreed in writing, the following warranty conditions apply.

- The manufacturer provides warranty to the first user up to 12 months after delivery, unless otherwise provided by law.
- Defects must be reported in writing to the manufacturer before the expiry of the warranty period.
- The warranty applies to the following defects.
  - Which occur during normal use of the trailer.
  - Caused by faulty construction or materials.
  - Due to defective craftsmanship of the manufacturer.
- The warranty is void in the event of defects that occur due to.
  - Normal wear and tear
  - Incompetent or improper use.
  - Use differently than directed.
- In case of occurring defects, the manufacturer will.
  - Replaced the parts, the exchanged parts become property of the manufacturer.
- The customer must give the manufacturer the opportunity to remedy any defects.
- For built-in parts of third parties, the warranty conditions of the respective leverancier. De warranty period may differ from what is indicated above.
- The manufacturer reserves the right to change his products without prior warning.

### LIABILITY

The manufacturer is **not liable** for unsafe situations, accidents and damages resulting from ignoring warnings or regulations as shown in this manual.

- Incompetent or improper use or maintenance
- The use of parts other than those specific to the trailer,
- Repairs in case of warranty without the manufacturer's consent,
- Modifications to the trailer such as:
  - Welding, mechanical processing, etc.
  - Extensions to the trailer,

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### **1.INTRODUCTION**

#### **1.1 PURPOSE AND FUNCTION OF THE TRAILER**

The purpose of the trailer is to load and transport goods, both general cargo and bulk goods, and to unload these goods.

### **2.SECURITY**

#### **2.1 INTRODUCTION**

The trailer is built and designed in such a way that it can be used and maintained safely. This applies to the application, circumstances and regulations as described in this manual. Reading this manual and following it is therefore **necessary** for everyone who uses or works on this trailer. If this trailer is used professionally, the contractor is responsible for complying with these instructions.

#### **2.2 SAFETY RULES**

- Do not climb into the trailer if it is not coupled.
- Do not exceed the maximum permissible load (see type/construction picture)
- Do not exceed the maximum load of the tie hooks.
- Please note that there are no entrapments between frame and side front and rear doors.

#### **2.3 UNAUTHORIZED USE**

The trailer is not suitable for the following applications.

- The transport of persons and/or animals.

#### **2.4 USE**

The trailer may be used by any adult who knows the contents of the user manual from this documentation.

Special training does not apply.

For driving a trailer, a relevant driving license is of course necessary.

#### **2.5 HAZARDOUS SUBSTANCES FOR THE ENVIRONMENT**

The following substances require extra attention:

- Hydraulic oil if equipped.

Hazards for environmental pollution, dispose of these substances in accordance with the applicable rules of environmental legislation.

#### **2.6 DISPOSAL OF THE TRAILER**

If the trailer is scrapped, the requirements for waste treatment must be observed.

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### 3. OPERATING INSTRUCTIONS

#### 3.1 Working with the trailer.

- **Docking:**

Open the clutch housing by pressing the latch on the handle and moving it upwards.

Place the open clutch on the towbar ball of the towing vehicle and release the handle. The handle should now slide back into its initial state on its own. Closing and securing is automatic.

Attach the breakaway cable and connect the plug to the towing vehicle.

Turn the support wheel upwards if present and put the wheel in the direction of travel (support wheel should not prevent brake rod if present).

**Control:** the bullet must no longer be visible when connected.

- **Uncouple:**

If present, turn the support wheel downwards. Disconnect the breakaway cable and the plug. Open the clutch housing by pressing the latch button on the handle and moving it upwards.

Lift the coupling off the towbar of the towing vehicle.

When disconnecting, make sure that the trailer does not drive alone, put on the handbrake when braked or use wheel lock.

#### 3.2 Loading the trailer.

- **Maximum load**

- The maximum load must not be exceeded. The maximum load is equal to the unladen weight of the trailer plus the load capacity

- **Weight distribution**

- For good braking if present and road holding, the centre of gravity of the load should be as close as possible above the axle.
- Load heavy objects above the axis as much as possible.
- Distribute lighter objects evenly
- Divide both left and right.
- Avoid point load.
- Always secure the cargo sufficiently (each country has its regulations)
- Before unloading and loading, always leave the trailer connected to the towing vehicle.

- **Maximum load support wheel**

- The static load of the sliding support wheels is 150kg, the maximum load must not be exceeded.



### BEWARE

The trailer is constructed, calculated and tested for the Load as indicated in the documents accompanying the trailer and the type/construction plate mounted on the front of the trailer.

Overloading can result in permanent damage, for which we as a manufacturer cannot accept any liability.

- **Securing and securing the load.**

A load must always be secured and anchored to the vehicle with the appropriate tools

Always use proper lashing straps that comply with EN 12195-2 for lashing

- **Ball pressure.**

The maximum permitted ball pressure (see the specifications of your towbar or vehicle and the nameplate of your trailer) must not be exceeded. You can increase or decrease the ball pressure by placing the load more forwards or backwards. A negative ball pressure (or upward force) is strictly prohibited.

Careless loading creates a slip or pendulum hazard.

Adjust your speed to the condition of the road surface and the load, especially in the corners.

### 3.3.Before driving.

- Turn the support wheel (if any) up and secure. The support wheel must always be parallel to the direction of travel and, if present, not obstruct the brake rod.
- Check the link.
- Attach the breakaway cable to the towing vehicle.
- Check the tire pressure.
- Check the even distribution of the load and the binding
- Check the lights before driving off.
- Before starting, check any wheel lock, and if present, see that the handbrake is no longer activated.

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### 3.4. Maintenance.

Maintenance schedule

Frequency	Maintenance point	Pay attention to
After the first ride	Wheel mounting	Check wheel bolts and secure them if necessary
Each time after a first Ride after a wheel has been loose	Wheel mounting	Check wheel bolts and secure them if necessary
Every 1500km	Walk-up device if Present	Lubricating nipples with grease, sliding parts with oil
Every 15000km or at least 1 time each year	Bearings, brakes and brake lining if equipped	Maintenance by authorized distributor or trailer company
Check regularly	Ball coupling	Cleaning and greasing
Check regularly	Plug / lighting	Check for dirt, corrosion or damage
Check regularly	Oil point at tippers	Check and refill if necessary

Have the service carried out by an authorized distributor or trailer company

### 3.5. Cleaning.

You can spray the trailer with water. We advise this especially after the trailer has been in contact with salt or acids, as the zinc work can be permanently affected by these substances.

## 4. REPAIRS AND REPLACEMENT OF PARTS

During the warranty period, repairs may only be carried out by our distributors.

All parts that are replaced must at least meet the specifications of the original original parts.

All parts can be ordered by our distributors at VDM-Trailers BV.

The trailer consists of standard parts, commercially available and parts only produced for these trailers, only available from the manufacturer.

If in doubt, consult trailer manufacturer VDM-Trailers BV.

**Deviating from the above regulations may have consequences for the safety of the trailer.**

**As a manufacturer or their distributors, we cannot accept any liability for this.**

## 5. Specifications

### 5.1. Wheels and tyres

- **Torque tightening wheel bolts**

Helix	Key width	Max Torque Nm
M 12 x 1.5	<b>17 ( 19 )</b>	<b>80-90</b>

- **OPTIMAL TIRE PRESSURE**

The optimal tire pressure depends on the type of tire and can be requested from any garage. Do not use tyres other than those fitted by VDM-Trailers BV, as the type of tyre appears in your COC certificate. In the event of a change, the COC certificate must also be adjusted.

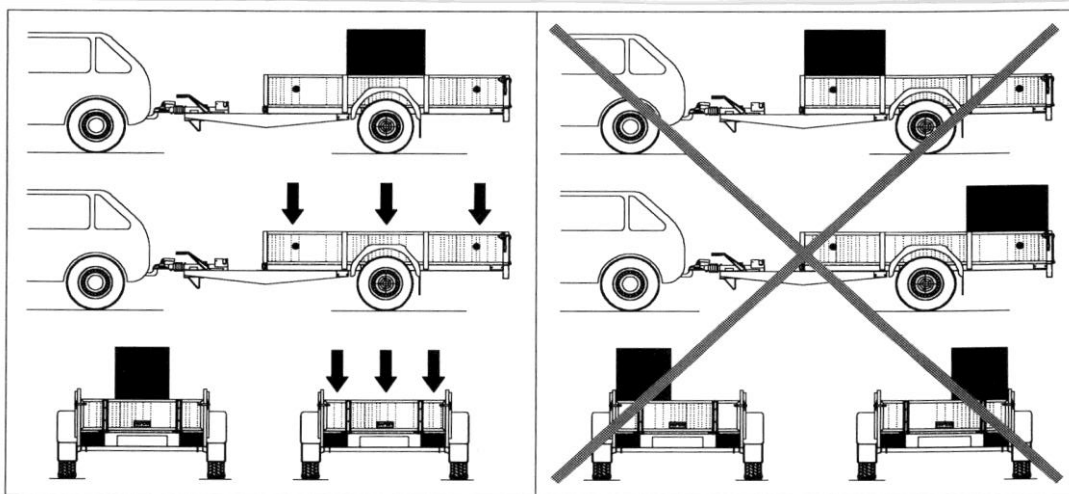
Tyre size	Tire pressure Bar	Tire pressure PSI	Max. load KG
155/80R13	<b>2.4</b>	<b>35</b>	<b>437</b>
185/70 R13	<b>3</b>	<b>44</b>	<b>600</b>



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### 5.2 Load

- See the diagram below for an optimal loading of your trailer



#### CAUTION

The trailer has been constructed, calculated and tested for the load as stated in the documents accompanying the trailer, and the type of plate that you will find on the front of your trailer. Overloading can result in permanent damage, for which we as a manufacturer cannot accept any liability.

- **Securing and securing the load**

A load must always be anchored to the vehicle.

5.3 Lighting

## 13-Pin Jaeger



1	1/L	Turn signal left	Yellow
2	2/54G	Constant current wire	Blue
3	3/31	Mass (for contacts 1 to 8)	White
4	4/R	Turn signal right	Green
5	5/58R	Taillight/front position light right License plate right	Brown
6	6/54	Brake light	red
7	7/68L	Rear light/front position light left	Black
8	8	Reversing lights	grey
9	9	Permanent power wire inside- Lighting	Brown/Blue
10	10	Charging cable for caravan battery & refrigerator	Brown/Red
11	11	No destination (possibly mass)	White/Red
12	12	No destination	
13	13	Mass (for contacts 9 to 12)	Black/White

## 7-Pin



1	1/L	Turn signal left	Yellow
2	2/54G	Constant current wire	Blue/Brown
3	3/31	Mass (for contacts 1 to 8)	White
4	1/R	Turn signal right	Green
5	5/58R	Taillight/front position light right License plate right	Brown
6	6/54	Brake light	Red
7	6/68L	Rear light/front position light left	Black

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### 6 Markings on the trailer

#### 6.1 Type of plate or identification plate

The trailer complies with all European directives according to directive **2007/46/CE**

And contains the following data:

DEFINITION	DATA
MANUFACTURER NAME	VDM-Trailers
MAKE	VDM
APPROVAL NUMBER	E4*2018/858*00009* E4*2018/858*00010*
VEHICLE IDENTIFICATION	YBJEA1----- YBJDA1-----
MTPLM/MPM KG	750/500
COUPLING KG	075/50
1° AXLE KG	375 / 250 (double axis) or 750/ 500(single axis)
2° AXLE KG	375 / 250

-Location of the ID-PLATE on the right side of the chassis.



-Location of the chassis number on the right side of the chassis.



All nameplates affixed to the vehicle must always be clearly readable.

## 6.2 Warnings.

During loading and unloading on public roads, the lighting does not comply with the legal requirements. Use your warning triangle.