

INSTRUCTIONS FOR USE

NAME AND SIGN FACTORY COMPANY:

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PURPOSE OF THE DEVICE : MOBILE STAGE

TYE : S-M-S (Speed Mobile Stage)

MODEL : MEDIUM STANDARD (The identification number: FR02/2016)

PRODUCTION DATA : 07/2016

DIRECTIVE : 2006/95/WE , 2004/108/WE , 2001/95/WE, 2006/42/WE,

NORMS (STANDARDS) : EN 13782:2007,

FIRE CLASSIFICATION : B1(DIN4102) - low flammability.

CALCULATIONS (norms) : AL76 , EN1993-1:2006/AC:2009.





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1. SPECIFICATIONS

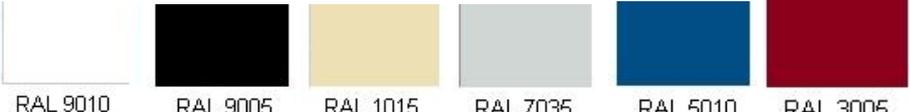


Dimensions	Length	9,5 m	
	Width	2,5 m	
	Height	3,5 m	
Trailer weight	2500 kg		
Permissible total weight	2500 kg – 3000 kg		
Axle load capacity	3000 kg		
Frame	Steel		
Corrosion protection	Hot dip galvanized		
Traction type	Tandem – KNOTT		
Working brake	2 braked axles - KNOTT		
Overrun brake	ALKO		
Wheels	185/15 C – reinforced		
Max speed during transport	70 km/h		
Category of driving license	B+E		
Insurance	Tak	For 12 months	
Release for road traffic	vehicle registered (for re-registration)		
MOT	Yes	For 12 months	
Warranty	24 months		

Specifications – stage

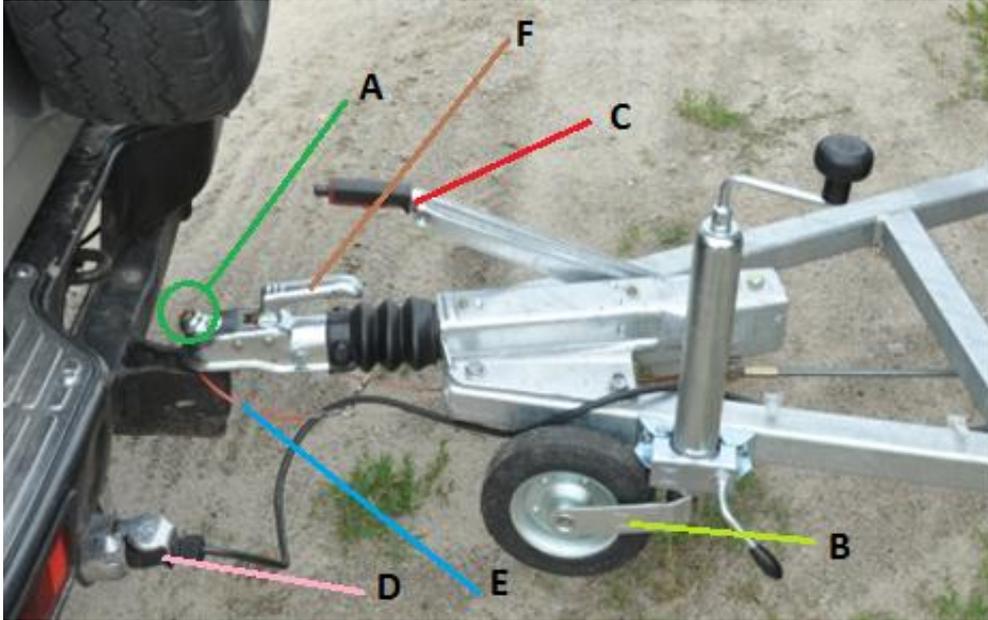


Type	S-M-S		
Model	Small		
Stage platform	Width	8 m	
	Depth	6 m	
	Height	1 m -1.3 m	
Sound platforms	2 pcs	Length	1,5 m
		Width	0,8 m
Total height stage	5,75 m		
Height clearance stage	4,45 m		
Max load platforms	300 kg/m²		
Max roof load after installing poles	720 kg = 4 x 120 kg/pole + 2 x 120 kg/ sound girder		
Permissible Snow Depth	4 cm		
The minimum time installation stage	60 minutes		
Minimum number of people for assembly	2 persons		
Permissible wind speed after installation	60 km/h		
Floor stage	Anti slip plywood - low flammability		
The construction of stage	Aluminum		
Leveling the trailer	On the basis of hydraulic cylinders - 4 pieces (electrohydraulic system with remote control)		
Leveling	Built-in spirit levels - 2 pcs		

The electro hydraulic drive system	12 V via a car battery (Remote controlled)
System of raising the roof	On the basis of hydraulic cylinders - 4 pieces (electrohydraulic system with remote control)
Intelligent system raising the roof	Allows lifting the roof after installing lights. The system enables loading of for example, only the left or right side of the roof without the risk of tilting of the roof structure!
Max roof load during lifting and lowering	300 kg (75 kg/ girder) (you don't need to hang lights or accessories with ladder)
Telescopes external girders	Bearings
Roofing	Tilt 650 g/m2 - low flammability
Roofing colors	 RAL 9010 RAL 9005 RAL 1015 RAL 7035 RAL 5010 RAL 3005
Grids side - protecting	On the 3 wall Grid 300 g/m2 – low flammability
Front grids	2 pcs Grid 300 g/m2 - low flammability
Grids colors	 RAL 9010 RAL 9005 RAL 5010 RAL 3005 RAL 7035
Tilt front - protecting platform	Yes – low flammability
Pneumatic system of draining roof water.	Yes
Stairs with adjustable a rake angle degrees	Yes (1 pcs)
Railing	Yes
Ladder	Yes
Guy wires	4 pcs
Anemometer	Yes
Pads under alloys	20 pcs
Fire extinguisher	1 pcs
Emergency triangle	1 pcs
Spare wheel	Yes
Wheel wrench	Yes
Warranty	24 months
Service	Warranty and post warranty
Replacement parts	Available
Tests technical control	We provide
Training (assembly / disassembly / use)	Yes - for 2 persons (MANDATORY)

* all uniformly distributed load

2. Transport



a) Hitch up the trailer to the car and preparing vehicles for transport.

To hook the handle to the hook should be imposed on the tiller handle hook the car with raised lever F. properly hooked to the hook holder green color indicates the ratio A on the head of the handle and lever F max pressed down. Circle maneuvering B unscrew the drawbar and put in the boot of the car. Power plug lights D placed in the socket of the car. Secure the handbrake in the car and throw gear. Send down the

trailer handbrake C (brake levers leave downwards)



We make sure that four valves of cylinders **Z** are closed (lever **Z** a horizontal position). Check the clearance under the trailer and that the cylinders **Z** are correctly folded. Inspect: fixing tilts and supports **S**, correct tire pressure (3.5 bar), the correct fastening of wheels (Tightening torques for screws 110 Nm). The standard hook height from the ground to the top of the head should be between 42-46 cm. This height ensures that the trailer will have adequate clearance between the ground and the frame and will not occur in the overhang of the trailer. Check the tire condition. We make sure that all lights are working properly and that the load inside the trailer is stable and properly fastened (according to the manual disassembly stage). Thus prepared, the set is ready for transport. Speed set of vehicles to be adapted to prevailing road conditions such as weather conditions (wind speed, precipitation) or the state of the road surface but speed should not be higher than 70 km / h

b) Before traveling check that:

- have a driving license category B + E,
- Does your car is equipped to tow a trailer with a maximum mass
- whether you have current insurance, and a MOT of the trailer and car

3. Storage

It is recommended to store the complex device under a roof, it ensures longer service life.



In the absence of the possibility of roofing, a clearance hole in the trailer should be covered by tarpaulin material to protect the interior of the trailer from rain water or snow.



Overrun device and plug the lights cover by material impermeable water for the same purpose.

To extend the service life trailer suspension (axle) recommended that the trailer for a longer standstill (eg over winter) not fixed on wheels but on the pins placed under the trailer frame and axles. During storage piston rod cylinders must be submitted (inserted in the cylinder) so that they are not exposed to acid rain and corrosion. The device can be stored at temperatures from -30 to 40 degrees C.





Four stools put the actuators kick-stands and protect cotter. Stools should be horizontally on a flat and stable surface.



Remove the tarpaulin protecting the control consoles..



Connect 230V power into the socket using the cable with **protective conductor**.



Open the four-valve cylinder two front and two at the rear of the trailer. Valves in an upright position.

Start the pump by pressing the power button.



Simultaneously press the cord **1 and 4** in the direction of "forward" so as to change position - cylinders kick-stands in front of the trailer will start to pull out the trailer lifting upwards. Raise the front of the trailer about 10 cm and release the cord 1 and 4 then press simultaneously thr cord 2 and 3 and raise the rear of the trailer about 10 cm. Repeat these steps until the desired height.

Note! When lifting, there is a risk hitching drawbar of stools. Should situate the stools to exclude that.



Using spirit levels installed at the valves foot of the left side of the trailer to adjust the length of the foot cylinders so as to indicate the level of spirit levels. For this purpose, pulling the individual cord (each cord is equivalent to one cylinder-foot) Pulling the cord no 1 will lowering the corner 1 of trailer. Cords, steer slowly and sensitively to the trailer fell slowly without unnecessary overload.

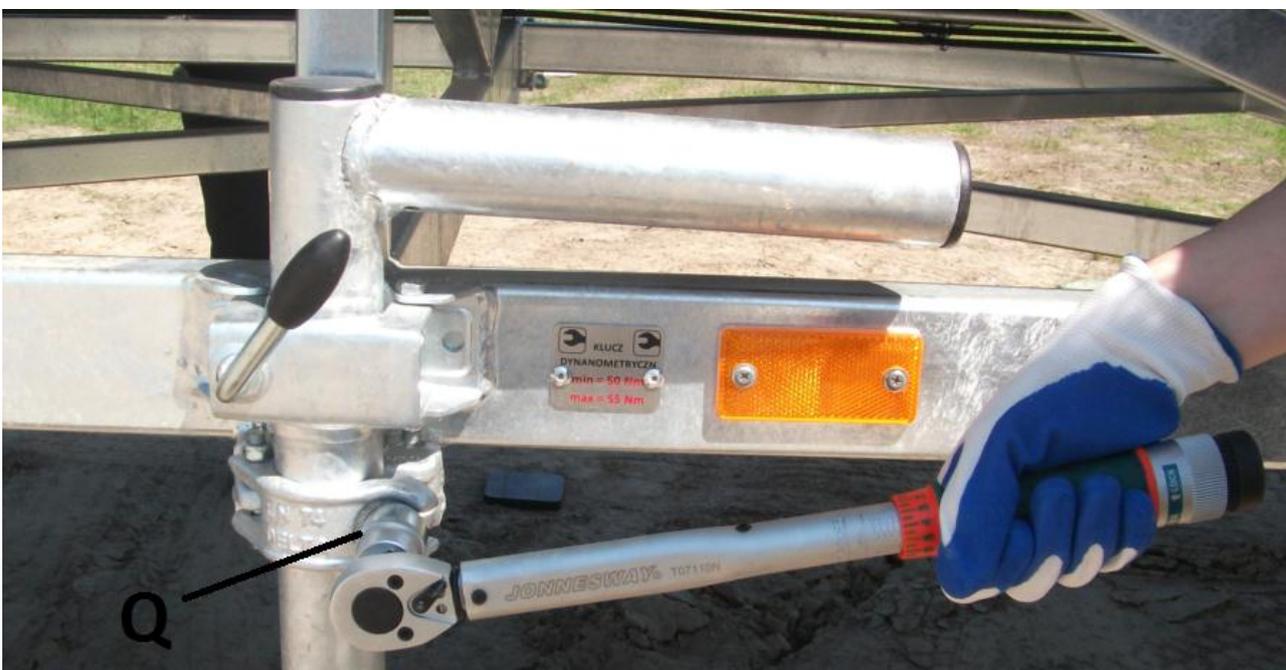


When finished the leveling close four valves cylinders (valves set in the horizontal direction) To this end avoid of uncontrolled fold at the foot.

Install the four support in center of trailer as shown. Under trailer foot placed plywood in order to increase the pressure on the substrate surface.



Handles Q tightened to 50 Nm



Unclip the tarpaulin from the trailer (all brackets)



Remove the two conveyor belts inside a trailer on both sides of the platforms. Belts prevent against accidental opening scene platforms.

Open the platform side. To do this, pull the wall of the platform in minimum 2 persons (as pictured) and lower it slowly to the position of 45 degrees.

Note! Risk of head injury.

Be very careful!



Opening the three latches spread the legs of the platform.



Note! Risk of head injury. / Be very careful!



Install latches kick-stands , located on each foot, extendable. For this purpose, in latch strut to plug.



Lower the platform to a horizontal position so that the steel cables acquired tension.

Such set to the platform can not be loaded and stand on it is prohibited!



Slide the adjustable kick-stands . To do this, unscrew the black knob so that the rate has increased contact with the ground, then tighten the black knob. Repeat this step with each foot adjustable.



Using a torque wrench to tighten the (secure) each foot landing force of 23 Nm.

Thus prepared, the platform is designed to use (load)



To install a second platform on the opposite side of the trailer assembly operations repeat the same as in the case of the first platform.



Slide the outer roof beams at about 70% extension. Telescopes should be extended simultaneously (in pairs) as the drawer in order to prevent damage.



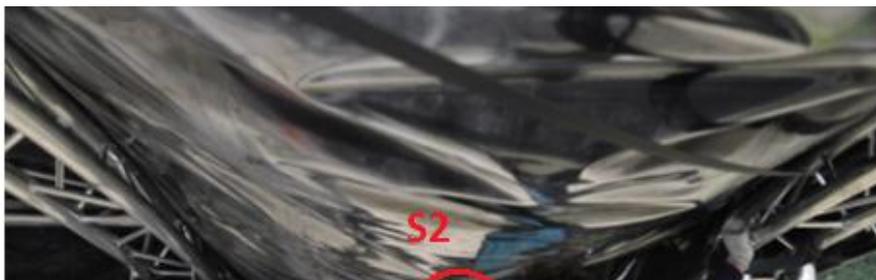
Using a ladder to fix the tarpaulin roof to roof girders as in the pictures. Aluminum tubes should be connected with all the plastic handles installed on the roof beam on both sides of the trailer.

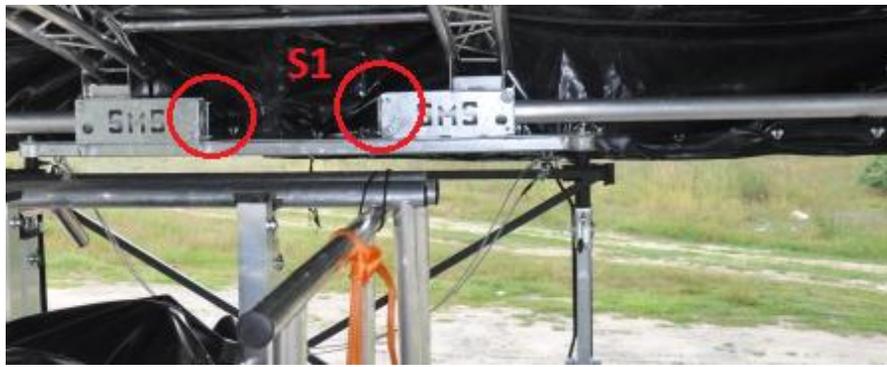


The four corner tabs put on an eyelet and secure by turning the propeller by 90 degrees.



Each of the four telescopes pull out and secure before submitting a screw **S1** of length 120 mm and **S2** screw nut with a length of 90 mm. Remember telescopes eject at the same time (in pairs) so that the beam is always parallel to the trailer frame.





Install the eight bracing beams roof, three on each side of the roof. Installation locations of beam bracing are marked in red (black) points to the roof beams.



Properly installed beam bracing.

ZZ latch is extended.



Undo the straps that secure the transport stairs and landings scene.

Unhook the rubber fixing rails.

Be careful when unfasten the elastics (caution: Risk of injury)

Install three side rails as pictured.

Two of the front of the stage and one of the rear-side mounting stairs.





Install six railings rear.
Railing into the holes in the landings (all the way)

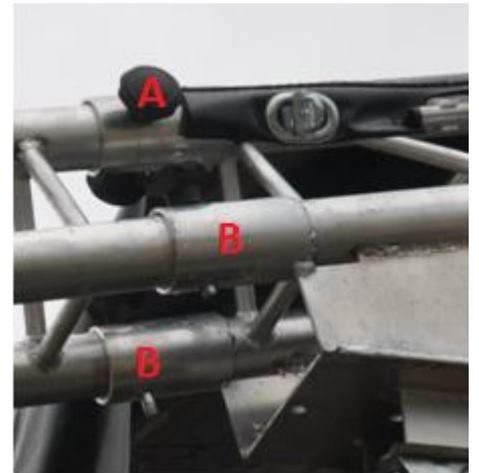


Fix sound platforms to the front of the platform on both sides. Then, holding the platform horizontally slide the foot and secure (torque wrench with a force of 23 Nm). Install the inner leg platform.

Note! Properly installed sound system platform - the pawl of the photos are in the locked position (the latch is in contact with the plate- max extended to sound platforms)

To this end check to make sure that the platform holder is correct platform should jerk a sound platform in several directions with significant force (as in the case of trying to split a connection)

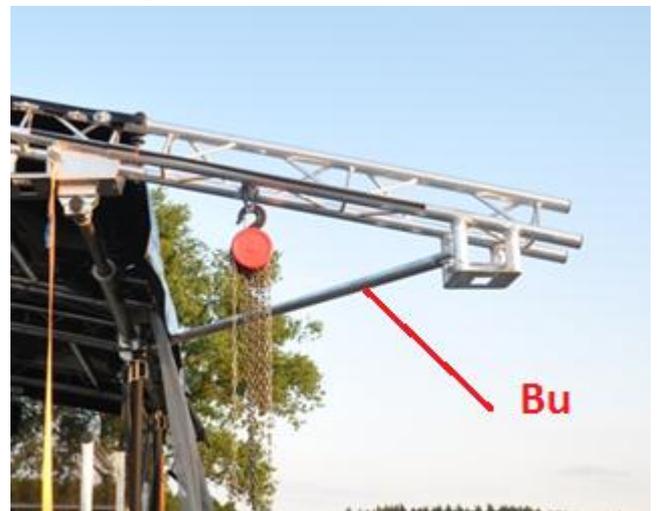




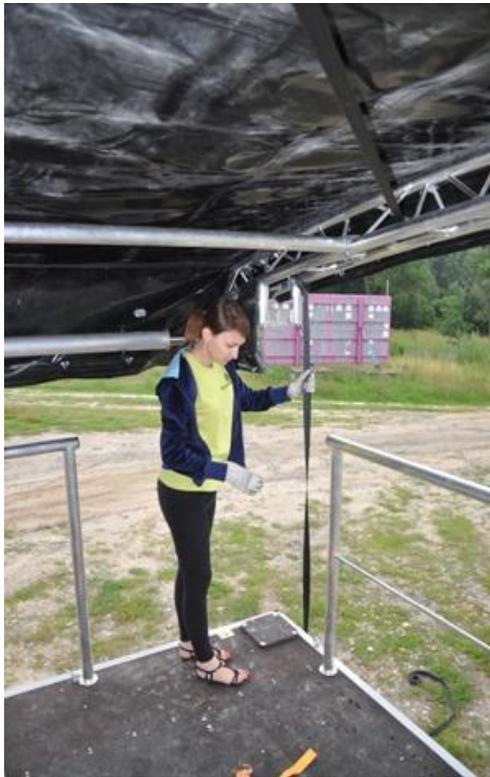
Secure girders sound on both sides of the girder roof-front. After inserting the beams in the socket must be secured each of them against uncontrolled slipping three screws. Screw A with a nut with a length of 70 mm and two screws without thread B with a length of 70 mm each. Install the two beams Bu stiffening sound girders .

Is not necessary to fixing sound system girders. You can skip this step.

To this end install the sound system must be attached winch suspended for sound system beams in the desired location. Winch attached to the pipe 50mm diameter (not to trusses - tube 16 mm)



Note the maximum weight of additional elements over the beam (beam roof + two sound girders) is 75 kg. Exceeding this value may cause damage to the construction stage.



Pull out the two black belts with covers installed at the ends of the roof girder-rear and expand them on the platform.



Check whether the four diagonals of the roof (belts) are strained.



Attach the four lanes P (exhaust) on the lugs in every corner of the scene.

Hang the grid (side curtain) ST - mesh back, 2x Sb - mesh side, 2x Sc-mesh front

Fixing nets is not required and you can skip this step.

Note!

Grids (side curtain) can be installed only in the case when the wind speed does not exceed 30 km / h

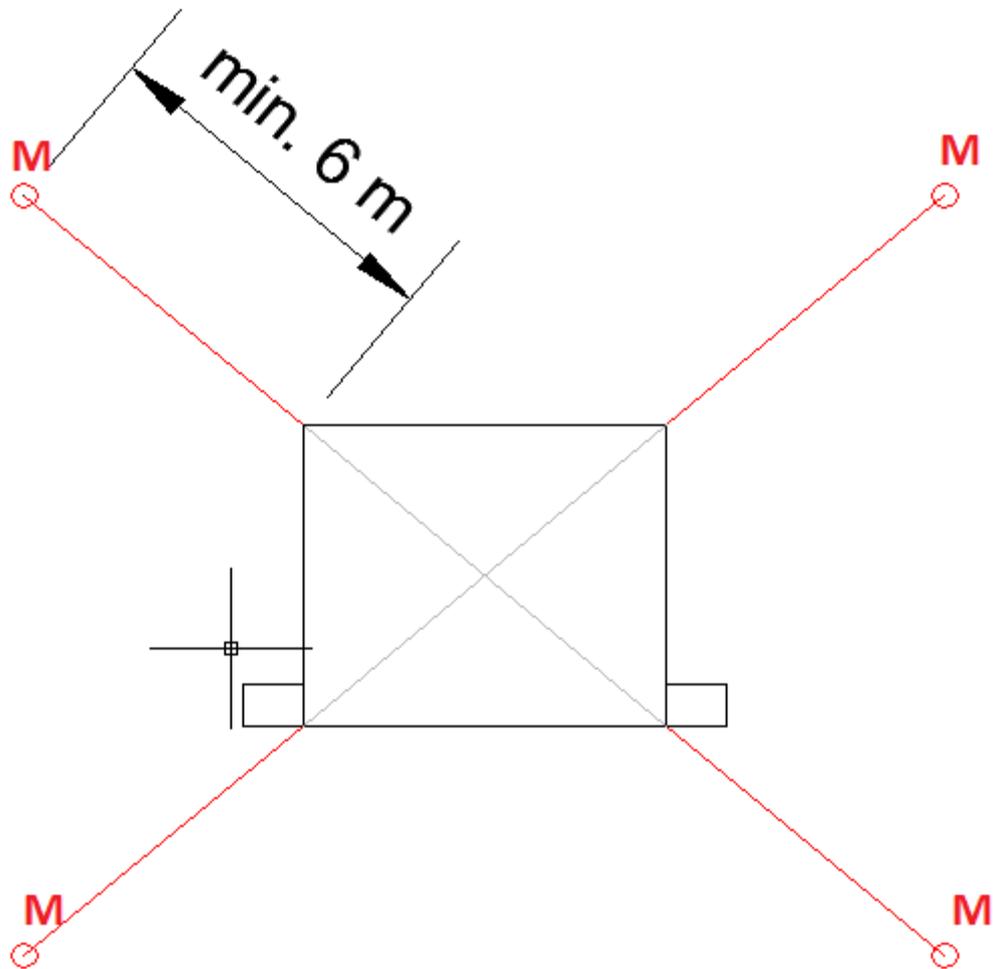


Supporting columns arranged as in the picture.

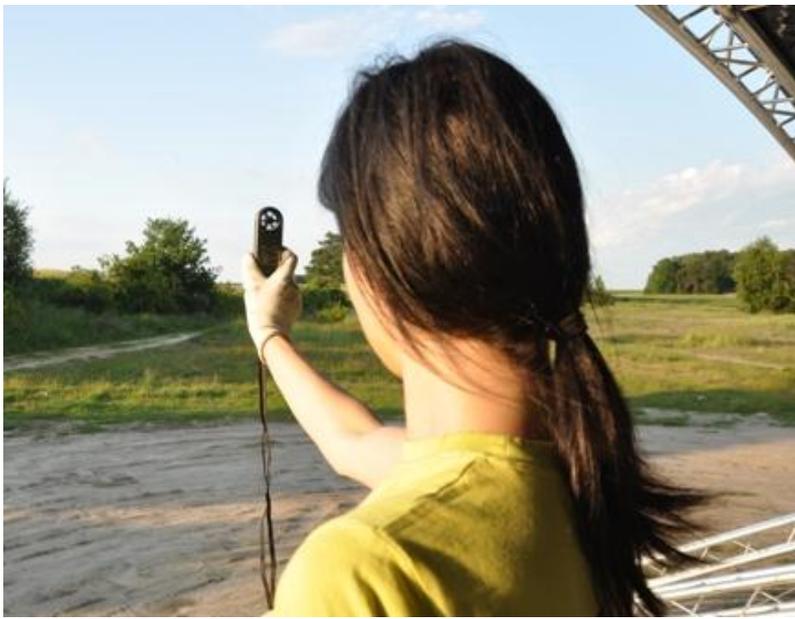
Installation of stage lights and equipment that requires a suspension under the roof made with special care and attention.

Max permissible load of each of the four girders does not exceed 75 kg. Exceeding this value may cause damage to the construction stage.

Prepare points (M) to attach the anchor straps stage to the substrate (exhausts) as shown below. The minimum load capacity of each executed anchoring M should not be less than 500 kg.
(Figure-view from the top of the stage and placement of anchor points to the ground)



Connect the air pump power cable with three-wire differential protection (przeciwporażeniowym). The power cord must have a minimum of 3 m allowance due to the rising roof. The protective conductor must be consistent with the structure of the scene.



Right before you start raising the roof, using an anemometer measure wind speed. After reading the measurement to compare it with the scale of the table.

Max wind speed during assembly and disassembly (raising the roof) (with side-grids curtains)	30 km/h
Max wind speed during assembly and disassembly (raising the roof) (without the side-grids curtains)	42 km/h
Do not begin installation (raising the roof)	Powyżej 42 km/h

When the wind speed does not exceed the specified values in the table can safely start raising the roof.

Note! during the raising the roof on the stage (platforms) can not be people.

Third parties should move away from the device to a safe distance minimum. 10 m

Make sure that all the grid (side curtain), or straps attached to the roof stages are not in any way encumbered or crushed.



Ensure that the four valves X are closed - levers directed vertically. Incorrect closing valves unequal X will raise the roof and then will be damaged. Start the pump. Hold the cord No. 5 in the "forward" There will be an equal and slowly raising the roof of the stage upwards. When the roof ceases to rise, turn off the pump and release the cord 5.



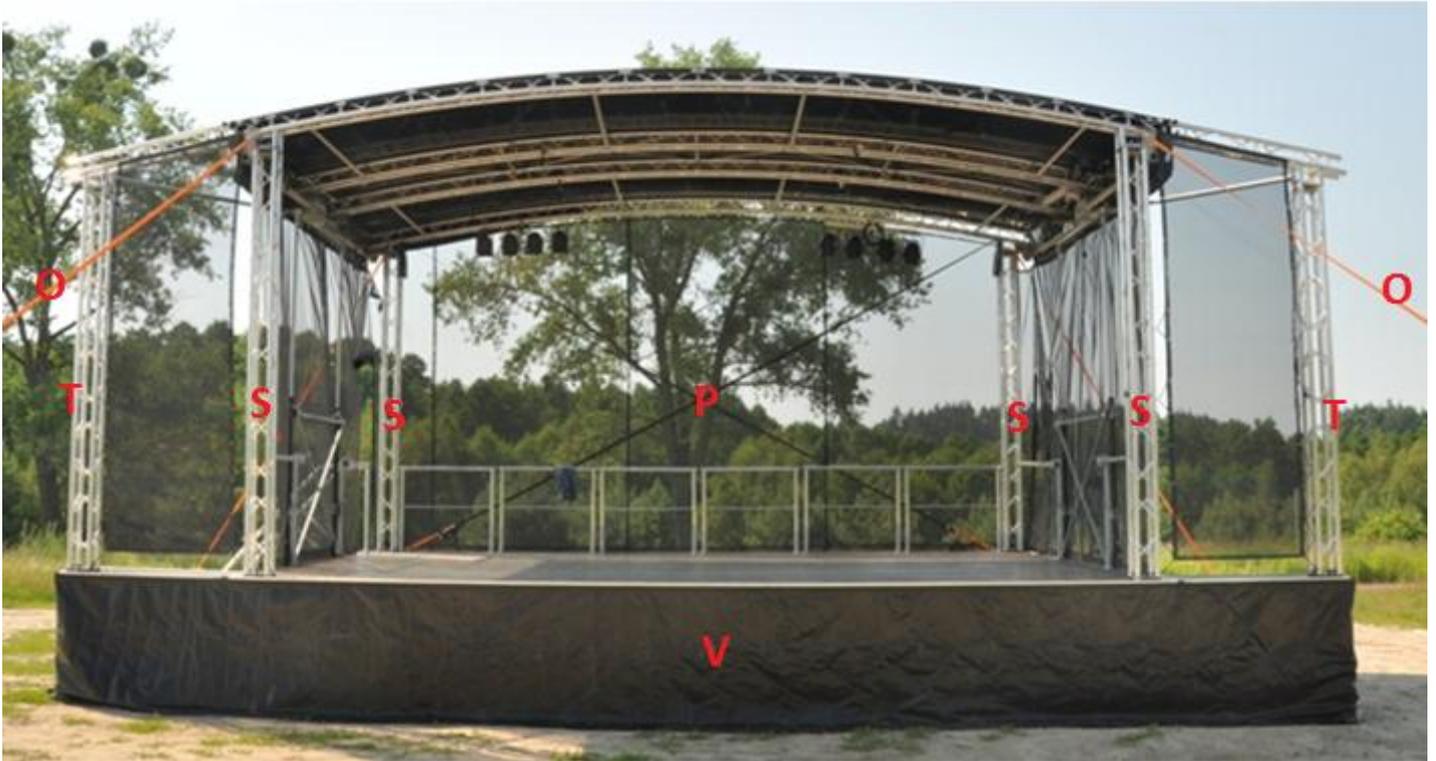
Open the valves X and once again run the pump with the pull rod 5 directed "backwards". Action to stop when the roof cease to rise, and four links L on both sides of the stage will be strained. Close the valves X Turn off the engine of the car. Remove the wires and hide in the box. The control panel (hydraulic) protect with tarpaulin.

Note! The maximum time of continuous use of the hydraulic pump is 10 minutes. After this time, the pump can not be used for a further 30 minutes until it is cool.

Exceeding this time may cause the engine to overheat and damage.



Immediately after lifting the roof should be ready for installation of four poles S and two poles T.



First-pole inserted into the upper roof socket girder. Then slightly lift pole (max 25 kg) and put it on the platform stage on the base M.

Upper plate is properly installed all its column should adhere to the sheet plane on the beam roof.



Each of the six pillars fixed to the roof and the platform. To do this, screw the lug with a rod and a belt to stop the nut mounted to the top base of column and tighten the ratchet strap mounted at the lower base of the column.

Installed on the back wall of the stage two diagonals P. To this end, use a ratchet transport (tensioner) and black belt attached to the top of the roof. Rattle mounted to the lug U and sensitively stretch straps diagonally.

NOTE! Too much tension belts can cause damage to the construction stage.



Four guy wires anchor O fix using transport rattles (Tension) to previously prepared anchor points M. Guy wires O stretch evenly and sensitively so as not to cause a phenomenon tilt the construction scene in the direction of a tension pulls.



Camouflage tarpaulin V forehead landing stage (platform supporting structures) by hooking it to beam platform prepared using Velcro fastener. The ends of the tarpaulin tied to the legs of the platform.



Using the prepared system: Velcro - Secure the mesh to the frame side platforms at the height of the floor.

Install the stairs stage.

Pay special attention - two latches Z must be properly secured and the stairs rigidly attached to the frame of the platform.



Foot steps must both adhere to the substrate. If one of the kick-stands is above ground, use a wooden block to the support of the substrate.



Using the six knobs PO to adjust the angle of attack the stair steps so that they are positioned horizontally. The adjustment range of stairs 0.8m - 1.4m.

Note! All screws of six knobs PO must adhere to the bevel (as pictured) propping steps.

Improper installation can result in damage to the stairs or accident.



Install the rear rail on the opposite side of the stairs. To keep watch if the latch is properly secured and bolted clamp.



Unscrew the mounting poles from the floor of the stage and hide them under platforms stage so that the stage floor was free of obstacles.



Give voltage 230v 50hz to power air pump extension cable with PE. This will start the pump and the chamber on the roof of stage fill with air-tensioning ideal canvas on the roof of stage.

Turn off the pump that can cause rain water will spread on the roof of stage.

Therefore, the pump must always be running, and the air chambers is always inflated. This will allow for perfect drainage of rainwater from the roof of the stage, and thus exclude the risk of uncontrolled charging rooftop rainwater.



Remove the power cords hydraulic pump. Cover the steering console tarpaulin.



Lift up the vertical the drawbar and fix it to the frame of the trailer to the prepared handles. Make sure that the the drawbar is stable tearing him much to the starting position.

Note! - Risk of injury careful and special attention.



After installing the scene should be under constant supervision of trained people (with the appropriate knowledge and skills)

Disassembly



Immediately before starting the disassembly (lowering the roof) stage, using an anemometer measure wind speed. After reading the measurement to compare it with the scale of the table.

Max wind speed during assembly and disassembly (lifting) (with side-grids - curtains)	30 km/h
Max wind speed during assembly and disassembly (lifting) (without the side-grids - curtains)	42 km/h
Do not start disassembling	Powyżej 42 km/h

When the wind speed does not exceed the specified values in the table can safely start raising the roof.

Loosen and remove the four guy wires six pillars supporting the roof. Poles fixed to the previously bolted handles on the floor of the stage. Lower the the drawbar to the horizontal position.



Note! while lowering the roof on the stage (platforms) can not be people.

Third parties should move away from the device to a safe distance of at least 10 m

Ensure that the four valves X are closed - levers directed vertically. Incorrect closing valves X will unequal raise the roof and then will be damaged. Start the engine of the car. Hold the cord No. 5 in the "forward" start the pump by

pressing a key on the remote control. There will be equal and slow lowering of the roof of stage down. When the roof stops falling, turn off the pump and release the cord 5. Open the valves X and start the pump again holding the cord 5 until the complete raising and alignment of the roof. Close the valves X. Turn off car engine.

Note! The maximum time of continuous use of the hydraulic pump is 3 minutes. After this time, the pump can not be used for another 40 minutes until it is cool. Exceeding this time may cause the engine to overheat and damage.

Remove in turn:

1. grid (side curtain), and place them folded in covers
2. sound girders
3. stairs
4. sound platforms
5. disconnect the power cable air pump

remove the 6 crossbars compressive roof beams

Said equipment pack as pictured and carefully fix to the floor of stage with transport belts.

Note! The equipment must be fitted with proper care so that it was impossible to uncontrolled moving.



Remove four guy wires belts and two diagonal stripes on the rear - roll up and put in sacks (bags)

Remove all the screws securing the telescopes girders and slide telescopes.



Slide all the foot platforms and secure by tightening the knob against uncontrolled slipping.

Raise the platform to the height of the forehead. Protect it against accidental drooping by support.

Remove fastening kick-stands and then make a grid kick-stands so as to adhere to the platform and supporting three latches were secured.



Raise the platform to the upright position. Tarpaulin roof during lifting platform flip over so that it was covered.



Note! When performing activities related to the submission of platforms keep special attention because there is a risk of trapping (deadlock) hands or head injury.



After disassembly, secure platforms with transport rattles- tension (minimum 1 ton) on both sides of the trailer as pictured. Belt fastened to the lugs of steel marked in the picture.

Take extra attention since it ensures that the correct mounting platform will be stable during transport, and the risk of uncontrolled opening does not occur.



Remove two supports to the transport position. The support must be rigidly fixed in a holder so that it was impossible to uncontrolled unscrew.



Fold actuators kick-stand. To do this, open the four-valve cylinder and then pull the two rods at the same time "to yourself" with the numbers 1 and 4, then 2 and 3. When the trailer falls on the wheel, run the pump for the total deposit kick-stands. Close up of four valves, actuators.



Close supply wires and put together with a remote control in the box. Cover the steering console tarpaulin.



Stools attached to the floor on the screws with a length of 40mm.



Carefully stretch and fasten the canvas to the trailer onto the prepared mounting and handles.

6. Safety and certificates

PROCEDURE IN CASE OF FIRE

In case of fire must immediately leave the light stage (stage platform). During the evacuation due to the low height of the platform above the ground to find the shortest possible path to being away from the stage and fire places. To notify the department of internships available at the telephone number 999 or 112.

On stage should be installed fire extinguisher.

COURSES AND TRAINING

Manufacturer organizes a mandatory course on how to use the stage.

The course - practical (range-instruction)

WIND

The device as any detached facility (tent), not permanently attached to the ground is significantly exposed to the wind. The following table shows the procedure during assembly / disassembly, and use a scene (stage) depending on the strength of the wind.

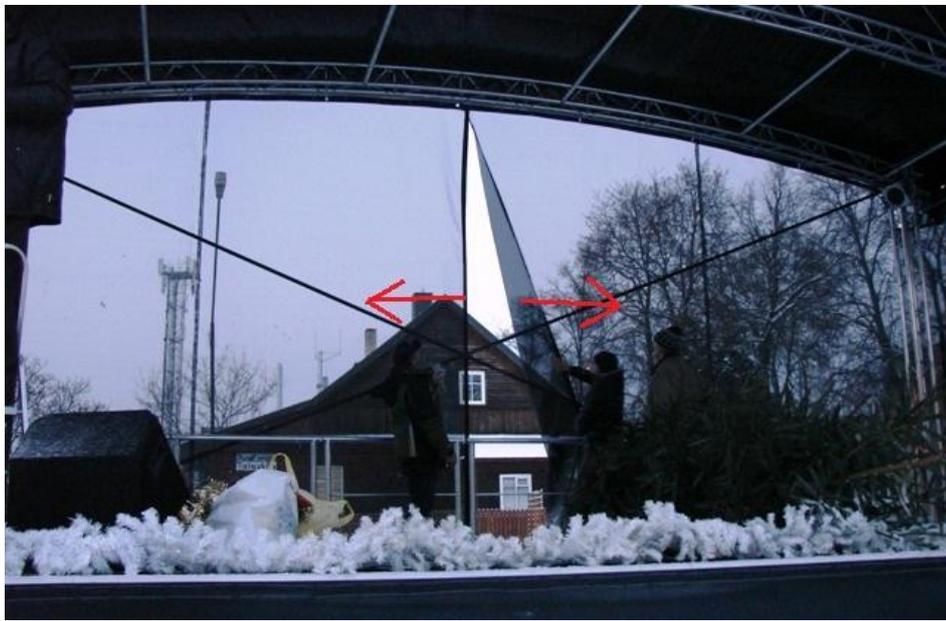
Max wind speed during assembly and disassembly (with side-grids curtains)	30 km/h
Max wind speed during assembly and disassembly (without the side-grids curtains)	42 km/h
Do not begin installation	Powyżej 42 km/h
Max wind speed during use of stage after assembling (with side-grids curtains)	50 km/h
Max wind speed during use of stage after assembling (without the side-grids curtains)	60 km/h
PLEASE STOP ALL PERFORMANCES AND LEAVING THE STAGE	Powyżej 60 km/h
Note! : Due to the unpredictability of the weather (wind), the scene must always be attached to the substrate a minimum of four exhausts corner.	
In the case when the wind speed exceeds 50 km / h, remove the side curtains - grid.	

Wind power should be monitored by an anemometer.

It is forbidden to enclosing wall stage by materials of windproof minimum 50%.

REMOVING THE GRID SIDE DURING USE INSTALLED STAGE - DISPOSAL

Mesh back.



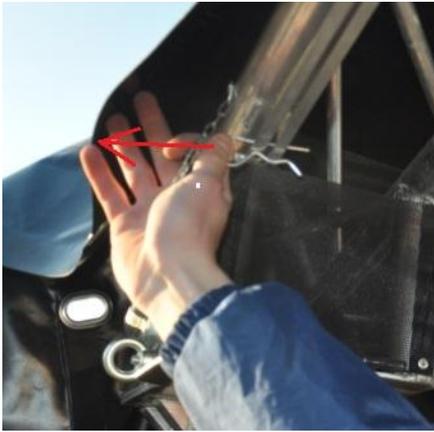
Disconnect velcro grid dividing the middle into two parts.



Grids move toward the poles.



Drawn grid solidly tied to poles.

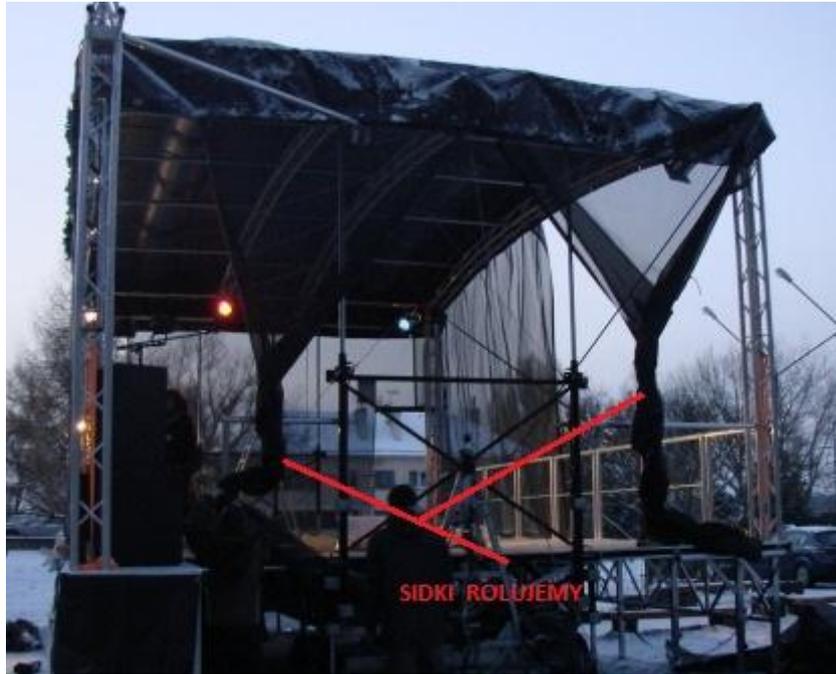


In Case when the wind is very strong and attachment grid to poles is difficult s - grids back to dump.
To this end two cotter pins installed in the corners of the aluminum to be removed.



Pulling grid outward to remove the roll from the guide - grid falls loses connection to the guideline and falls to the ground.

Grids side.



- Divide side mesh into two parts tearing curtains of velcro in the middle.
 - Grids rolled over by wrapping them around their own axis.
 - Grids permanently fastened to the railing stage.
 - Repeat the same operation for the grid on the opposite side of the stage.
-

TEMPERATURE

Suitable for use at from -20 to 40 degrees Celsius

Storage device is permitted at a temperature of from -30 to 40 degrees Celsius

PRECIPITATION

The device is resistant to rain water and snow.

Permissible thickness of snow cover on the roof of the stage: 4 cm

ELECTRICAL EQUIPMENT

When installing electrical equipment to be used on stage wires and electrical devices with differential protection. The protective conductor should be connected to the structure of the metal stage.

TRANSPORT

Max speed during transport: 70 km / h

The required license category B + E

Gross vehicle weight: the GVW

LIMIT LOADS - STATICS OF STRENGTH

Max roof load during lifting and lowering	300 kg (max 75 kg / girder)
Max roof load after installing the stage	120 kg/ girder + 120 kg/ sound hanger
Max load (static) platform	300 kg/m ² (spread evenly)
Note: The device is not a dance platform (max number of people simultaneously dancing-jumping on stage: 6 people)	

APPROVALS AND STANDARDS

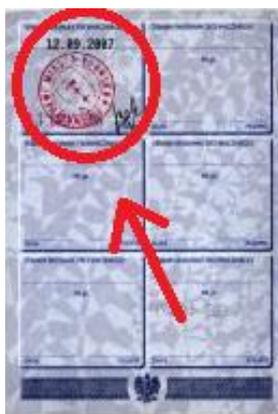
According to the attachments manufacturer declares that this product complies:

- 1) Directive: 2004/108/WE
- 2) Directive: 2006/95/WE
- 3) Directive: 2001/95/WE
- 4) Directive: 2006/42/WE
- 5) Norm: PN-EN 13782:2007

The product has a flammability class B1 according to DIN 4102 and belongs to a group low flammability.

The unit has been sized and converted to conditions : AL76, PN-EN1993-1:2006/AC:2009.

7. Maintenance and Technical



The apparatus as each vehicle type trailer brand SAM GVW over 750 kg is subject to annual inspection in diagnostic station. Service intervals can be found in the registration trailer.

The manufacturer also provides service and technical inspection device (scene-stage). Technical inspections should be performed a minimum of every 12 months. To do this, contact the manufacturer in order to determine the review and provide equipment to the site in a given

period of time. During the warranty servicing are free. Inspections performs producer and confirms his conduct hologram claim on the nameplate of scene-the stage.



Traction and overrun brake must be used according to the manufacturer ALKO Instructions are available in the category of attachments.



In order to extend the lifetime of the latches should be greased. Lubrication of components makes it much easier to hook (assembly) latches. The upper discs posts in total grease lubricated. Lubrication significantly improves ease of assembly and disassembly columns.

Faults and failures.

Procedure to change the wheel (flat tire) - as in the case of other vehicles. Correct tire pressure value described on the tires.

Traction and overrun brake should be checked in accordance with the manufacturer's instructions.

In case of detection of any significant damage or malfunction in the unit, stop using and contact the manufacturer's service:

info@scenymobilne.pl

7. Attachments (MODEL DOCUMENT)

-Attachment no 1

DECLARATION OF CONFORMITY

no XX/201X



1. The manufacturer of the product: ELBRUS ul. Paderewskiego 5, 55-100 Trzebnica

(name and address of the plant manufacturing the product)

2. Product name: Mobile scene (stage)

(name, trade name, type, variety, grade, class)

3. The classification of the product: 13.92.22/29.20.23 (PKWiU)

(SWW symbol or code PKWiU)

4. Purpose and scope of the product: stage performances

(accordance with the reference document - Polish Standard or technical approval)

5. Reference Documents:

PN-EN 13782:2007 – Temporary objects. Tents. Security (PKN)

2001/95/WE – in the range - General product safety

2006/95/WE – in the range - Electrical Equipment

2004/108/WE – in the range - Electromagnetic Compatibility

2006/42/WE - in the range - Machinery Directive

(number, title and year of establishment of Polish Standards or number, title and year of technical approval and the name of the approving)

6. Party of the product covered by a declaration: product unit (*The identification number: 0X/201X*)

(data necessary to identify the party specified in the research program)

I declare with full responsibility that the products of the parties referred to in point. 6 are consistent with the reference documents mentioned in point. 5.

Trzebnica, XX.XX.201Xr

(place and date of issue)

Krzysztof Sadal

(the name and signature of authorized person)

CERTIFICATE OF QUALITY NO. PX/201X (MODEL DOCUMENT)

1. The manufacturer of the product: ELBRUS ul. Paderewskiego 5, 55-100 Trzebnica

(name and address of the plant manufacturing the product)

2. product name: Mobile scene (stage)

(name, trade name, type, variety, grade, class)

3. The classification of the product: 13.92.22/29.20.23 (PKWiU)

(SWW symbol or code PKWiU)

4. Purpose and scope of the product: stage performances

(accordance with the reference document - Polish Standard or technical approval)

5. Reference Documents:

DIN 4102

(number, title and year of establishment of Polish Standards or number, title and year of technical approval and the name of the approving)

6. Party of the product covered by a declaration: product unit: *(The identification number: 05/2015)*

(data necessary to identify the party specified in the research program)

I declare with full responsibility that the products of the parties referred to in point. 6 in accordance with the reference documents mentioned in point. 5 They have a flammability class B1 and belong to the group of products low flammability.

Trzebnica, XX.XX.2015r

(place and date of issue)

Krzysztof Sadal

(the name and signature of authorized person)

INSTRUCTION MANUAL

Axles

Introduction

Ladies and Gentlemen,

Congratulations to you axle trailer fitted with AL-KO. But before they go to you with a trailer on public roads, it is necessary for safety reasons, read the instruction manual.

Safety Directions

- For axis AL-KO nothing can be welded.
- Adjust the parameters of the wheels to the axle (wheel openings, the size of ET and wheel bolts).
- The nameplate can not be unreadable due to obscuring or covering with other parts.

Service

Action:

Working brake basic:

The towing vehicle brakes or going from above - - bolt carrier (Fig. 1/1) of the overrun moves accordance with the amount of force on the drawbar and presses on the lever return (rys. 1/2) - This pulls the brake lever (Fig. 1/3) linkage

Bowden (Fig. 1/4) and lock the cam (Fig. 1/5). This expands separately brake clamp cap (Fig. 1/6) - trailer brakes.

Reverse:

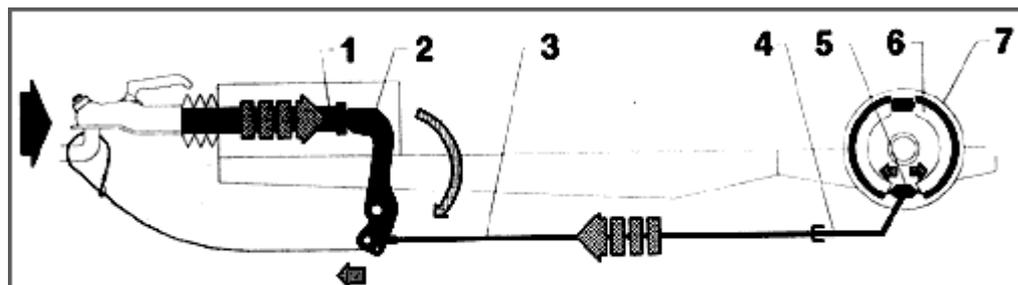
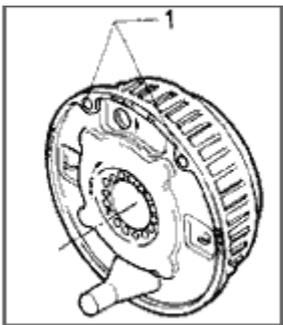
The towing vehicle is going backwards - bolt carrier overrun device moves to stop - brake clamp cap buttons

are the brake drum (Fig. 1/8) by the return lever, brake lever, Bowden cable and lock the cam - drum

Brake rotates back and due to the friction of the jaw is repositioned. When the gear lever

(cam) rotates back and all the way compensates for the action. The brake is thereby almost abolished and

vehicle with a trailer going backwards.



The parking brake

On versions with gas spring should pull the brake lever over dead point.

On versions with the cylinder spring, engage the handbrake lever all the way to the last tooth.

It should be taken into account that the handbrake vehicle can go back about 25 cm to make full use of the parking brake force.

Maintenance and Cleaning

**Euro-Plus
Euro-Compact
Euro-Delta- axle with trailing arm**

Maintenance

Axles AL-KO Euro-Plus / Euro-Compact and the axis of the Euro-Delta-trailing arm bearings are maintenance free bearings HUB UNIT are lubricated and sealed for life.

Note: Bearing HUB UNIT I are not waterproof.

They do not require setting - axial clearance!

After 10000 km or every 12 months to check brake linings for wear wheels - check hole - (Fig. 2/1). If necessary,

adjust. With continuous rides in the mountains of the trailer brakes are stronger wear. With luggage trailer

adjustment is needed earlier.

Note: All necessary maintenance work must be carried out only by trained workshop

vehicle service or an authorized service.

Konserwacja "osi standardowej" - łożyska stożkowe

After 1500 km or 6 months

- Check and if necessary adjust the axial play.

At 10,000 km or 12 months

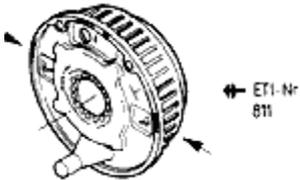
- Check the quantity and condition of the grease or replace

- With Trailer podłozniowych, entering into fresh water or saltwater, new hub bearing lubrication should be carried out shortly after the trailer (with the exception of watertight hubs).

- Every 10000 km or every 12 months to control the wheel brake lining wear - check hole -. Adjust if necessary. With continuous rides in the mountains of the trailer brakes are high wear. With luggage trailer is needed prior regulation.

Maintenance axis of uresorowaniem steel - tapered roller bearings

- at 5000 km lubricate 4 nipples axis of uresorowaniem steel. (Grease:)



- (Other maintenance as the standard axle)

Maintenance axis unbraked

After 1500 km or 6 months

- Check and if necessary adjust the axial play

- When the trailer of boat, placed into fresh water or saltwater, new hub bearing lubrication should be

conducted shortly after the trailer (with the exception of the hubs for watertight).

Care and maintenance parts galvanized

White rust is merely a blemish can not be eliminated.

Can be minimized as follows:

- Ensure an adequate air circulation in premises where stored or part galvanized trailer
- dip
- When driving in winter dip galvanized surfaces clean with clean water (eg, steam washer)
- grease and or oil joints and sliding

Spare parts

parts are parts which constitute about security. In the case of the use of non original spare AL-KO, guarantee and warranty expires, ie, AL-KO as a manufacturer is not responsible for possibly occurring faults and their effects. Damage caused to things or people on the road can not be underestimated; Please consider this when purchasing spare parts!

If necessary, repair the AL-KO has a dense network of service stations in Europe. The list of service you receive on request in our factory. No. 371,912.

Repairs and adjustments must be carried out only by authorized establishments.

To uniquely identify the spare part service stations need data about the type of axis (the axis plate) and No. ETI - a replacement part number. This is stamped on the brakes the wheel or on the nameplate. Please fix the data, before you reach for the phone.

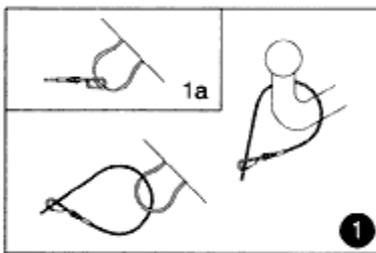
Troubleshooting		
Disruption	Cause	Removal
Too poor brake function	Do not have been run brake linings Damaged or soiled pads Too much friction losses corrosion	Persists after repeated braking Replace the brake clamp cap Release the transfer device including brakes
Reverse impeded or blocked	It occurs only when the installation disc is too tight Immobilized reversing lever machine	Adjust the brake systems Unlocking and lubricate
Overheating of the brakes when driving from the front	Incorrect setting Install the brake when going forward is not completely freed Immobilized lever Feedback A bent rod brake handle Contaminated wheel brakes Bent wire or Bowden cable Return springs clamp cap are weakened or broken The precipitate in the drum brake rust	have adjustment release the brake Check the conveying device (free to move) Check the return lever device overrun (free to move) clean Have the Bowden cable Have the springs Replace the brake drum, if necessary, replace clamp cap
Too weak effect handbrake	Incorrect setting - too much play No have been run linings Too large friction losses	have regulations Release the transfer device including a Bowden cable (oil)
Unsteady behavior of the vehicle or braking intermittently	Too much slack in the brake system damaged shock absorber	have adjustment Have the shock absorber

The device overrun

introduction

Dear Customer,

Congratulations to a trailer equipped with a device overrun AL-KO. But before they go to you with a trailer on public roads, it is necessary-because of the security-acquainted with the machine inertia.



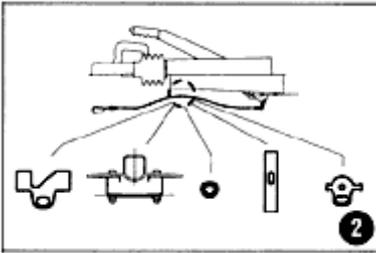
safety measures

- When parking or parking the car with a trailer, engage the parking brake. When you disconnect the trailer from the truck to be additionally secured with two wedges.
- Variety tube with removable (catering trailers) can not be dismantled with the handbrake.

- **NOTE: After the trailer handbrake can go back to about 25 cm before the entire braking force will be used! (When parking the trailer should be considered a suitable distance).**

Handling

The device overrun AL-KO is a mechanical device with hydraulic shock absorber.

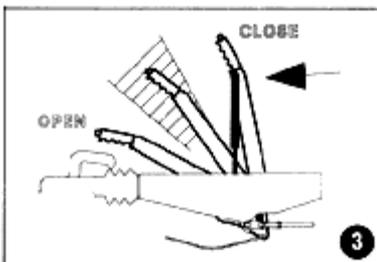


Coupling

- Guide the truck or trailer to the coupling point.

When the hitch coupling ball:

- Open the hitch ball and fit it on the sphere the towing hook. => See operating instructions for the towing hitch.
- Pull the emergency cord by running (Fig. 2) and fasten the hook on the mesh (Fig. 1). This variant permitted only in Scandinavia (see Figure 1a). It should be noted that the cable length is sufficient when cornering. For a short cord can apply the brakes!
- In the absence of mesh wrap the cable to the tow bar and fasten on her carabiner.
- Stranded launches emergency hand brake (emergency) when an unexpected disconnect the trailer from the car. To brake to work properly, it is necessary to translate links through prepared for her conduct.

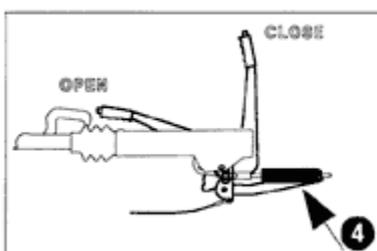


With mesh draft:

- • Attach the lug hook traction in the throat. => See manual tow vehicle.
- • Pull the emergency cord by running (Fig. 2) and fasten the hook on the mesh (Fig. 1). It should be noted that the cable length is sufficient when cornering. For a short cord can apply the brakes!
- In the absence of mesh wrap the cable to the tow bar and fasten on her carabiner.
- Stranded launches emergency hand brake (emergency) when an unexpected disconnect the trailer from the car. To brake to work properly, it is necessary to translate links through prepared for her conduct.

When the hitch coupling ball / mesh draft:

- • Remove the electric plug from the holder and insert into the socket of the car.
- • Adjust the jockey wheel to the maximum upper position and tighten handle them. => See the owner's manual support wheel.
- • Release the brake lever (see Figure 3 - 6)



NOTE: Failure to follow this instruction creates the danger of heating up the brakes while driving!

Details of the handbrake, see: Uncoupling.

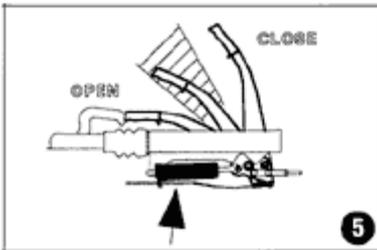
Coupling device overrun 150/200V

- supporting wheel inner tube must be screwed up in the outer tube, i.e. so that the wheel support has been locked in the slot of the outer tube.
- Loosen the outer tube mounting bracket supporting wheel, jockey wheel pick up, so that based on the openings in the unit enclosure overrun. Lock in position by tightening the handle (Fig. 5A).

NOTE: Other location creates the danger of locking the brake lever and brake.

Uncoupling

- Secure the trailer with two wedges.
- Apply the handbrake lever.



There are 4 types of hand brake (see Figure 3-6). For all types observe the following guidelines:

Hand brake lever with gas spring assisted (Fig. 3):

Apply the handbrake off felt dead point (highlighted area). Gas Spring for turning back the trailer will stretch links automatically apply the brakes and the wheels.

Release:

Press the lever and set it in position (press the stop).

Hand brake lever with a cylinder with spring

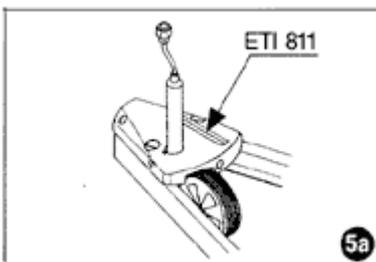
(Fig. 4):

Pull fully in the last notch. The lever is set vertically. The spring is stretched.

NOTE: If the lever is not taken out completely, the trailer is not secured!

Release:

Press the lever and set it in position (press the stop).



Hand brake lever with automatic lever (Fig. 5):

Pull handbrake off appreciable

dead point. By turning the trailer to the rear built-in spring or gas spring will stretch automatically.

Release:

Handbrake lever must be pulled through the dead center (see highlighted area) to its original position.

Hand brake lever with gas spring assisted cylinder and spring (Fig. 6):

Pull the last notch outside noticeable dead point. The lever is set vertically. The spring is stretched.

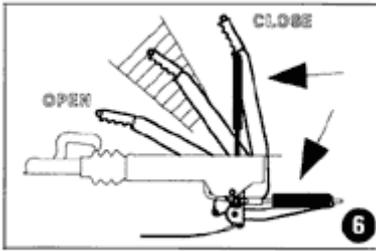
NOTE: If the lever gets totally is not dragged, the trailer is not protected!

Release:

Press the handbrake lever and the lever in position (press the

stop).

NOTE:



After the trailer handbrake can go back to about 25 cm before the entire braking force will be used! (When parking the trailer should be considered a suitable space).

Maintenance

Every 10,000 - 15,000 km or every 12 months:

Grease or oil of sliding and articulated devices overrun!

Lubrication, see Figure 7

Multipurpose grease for DIN 51825 KTA 3K4

Care and maintenance parts galvanized.

Białe rdzewienie jest wadą wyglądu zewnętrznego i nie może być całkowicie wyeliminowane. Można je jednak zminimalizować poprzez:

- Caring for adequate air circulation in the room where you keep the trailer or parts hot dip galvanized.
- Clean galvanized surfaces clean
- water (eg pressure washer steam) after rides in winter.

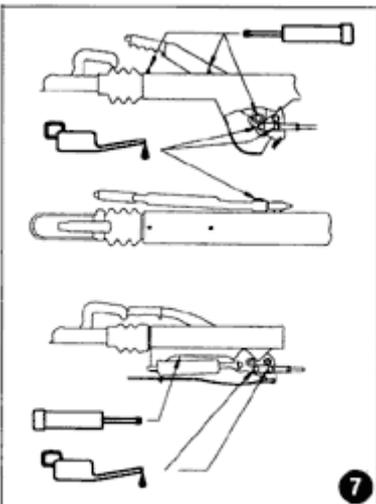
Spare parts

Spare parts are parts that have an impact on safety. The use of non-original spare parts AL-KO will void the warranty and product liability extinction, ie, AL-KO, as a producer, will not be responsible for any defects and their consequences. Damages resulting from defects, including for personal injury can not be underestimated; it is worth to think about when selecting the spare parts!

If repair is required, we in Europe, a dense network of service stations AL-KO. List of service stations, you can-if necessary-get directly from us.

Repairs and regulatory work can be carried devoured by a competent, professional factory.

For unambiguous identification of spare parts is needed overrun device type and number of ETI = identification number of the parts of the cabinet inertia (see Figure 8). The devices inertia Euro will find the nameplate data along with the number of ETI on the handbrake lever (see Figure 5a).



Please find this information before you reach for the phone.

Troubleshooting		
disruption	cause	removal
Too poor brake function	Too much friction losses in the device overrun corrosion Major damage when maneuvering	Loosen the transmission system including the Bowden cables
Overheating of the brakes when driving forward	Not released the handbrake Support wheel brake to lock the rod	Release the handbrake; Check the transmission system (free to move) Check the return lever device overrun (free to move) Loosen the support wheel and lock it into position.
Too a weak effect handbrake	Faulty gas spring	Replace the gas spring
Unsteady behavior of the vehicle or braking intermittently	damaged shock absorber	replace the shock absorber
Trailer brakes after deduction of gas	damaged shock absorber	replace the shock absorber