

SHROMA

Product Manual

1275 Trailer

964 Trailer



SHROMA

Contents:

1. Introduction.
2. Safety requirements
3. Instructions for use
4. Technical information
5. Maintenance
6. Warranty conditions
7. Technical drawing

1. Introduction.

This current production manual provides an overview, maintenance instructions and technical specifications of agricultural trailers produced by company Stalkars.

Following the requirements and suggestions described in this manual will provide to you a long-term and safe use of the trailers.

Dumper trailers, listed in this manual, are constructed for transportation purposes in agricultural nature only. They are allowed to use with agricultural tractors only with maximum speed of 40 km/h.

Special attention should be given to maintenance. In the event of unexpected problems, please contact your local dealer or manufacturer.

User of the trailer is obligated to follow all requirements described in this manual.

2. Safety requirements.

Instruction manual must be read carefully before using dumper trailer.

The user must have an appropriate and valid certificate in order to work with a hauling tractor and a dumper trailer.

2.1 The trailer should only be used for its designated purpose.

2.2 Before starting working verify the proper functioning of the brakes and rear lights.

2.3 Do not use any additional equipment that has not been accepted by the manufacturer.

2.4 Do not make any alteration or repair work on the trailer that has not been previously approved by the manufacturer.

2.5 In order to hold the crate in the upward position, use original crate support only.

NB! Make sure the crate is empty before supporting.

2.6 To avoid corrosion on the elevation cylinder, do not hold crate elevated longer than needed.

2.7 It is forbidden to unload on tilted or uneven ground.

2.8 Constantly observe the proper functioning of the hydraulic and pneumatic circuits.

Make sure, that no hydraulic oil leaks into the environment. NB! Make sure that pressure in hydraulic and pneumatic circuits has been released, before starting any maintenance work. Use protective glasses and gloves, because hydraulic oil is dangerously irritative to eyes and skin.

2.9 Observe traffic regulations when operating the vehicle on the road.

2.10 Make sure to observe the appropriate safety radius if you are working near the power transmission lines.

IT IS STRICTLY FORBIDDEN:

- To work with trailer under the influence of alcoholic, narcotic or psychotropic substances.
- To use the trailer to transport people.
- To use the trailer, when towing eye fastening nut and/or locking pin are loosend.
- To use bare hands to check the possible leakage of pressurized circuits.
- To carry out repair works or to use materials for this purpose, that have not been previously approved by the manufacturer.
- To park the trailer without wheel wedges or on tilted ground.

3. Instructions for use

- Use only the coupling device approved by the manufacturer, when connecting the trailer with the tractor. Pay attention to following requirements:
 - When picking up the trailer, it should stand on even and strong ground.
 - Do not forget to lift support leg into the upper position before removing the trailer.
 - Check proper functioning of brakes and lights.
 - Check wheel pressure before working. Nominal pressure for wheels you can find in the technical information pos 4.
- Make sure that there are no people in the working area, safety radius is 10 meters.
- Special attention is required when driving in reverse or unloading the load – due to inappropriate visibility behind the trailer, the driver must be extra careful.
 - Do not overload the trailer – elevating cylinder is calculated to lift only nominal payload.
 - Make sure that the load is placed as evenly as possible.
 - When needed, use the fixing hooks inside the crate to fix the load. When using additional extensions, make sure that they are mounted properly.
- Be aware of the fact that the trailer is wider than many tractors used for towing it. Do not put other drivers in danger.
 - Do not exceed speed limit – 40 km/h is maximum allowed speed for this trailers. Adjust your driving speed according to the road and weather conditions. Be especially careful when driving through tilted ground.
 - When possible, try to avoid sharp turns with loaded trailer, it causes very high tension to the tyres.

4. Technical information.

	964 Trailer	1275 Trailer
Overall length	5540mm	6250mm
Width	2550mm	2550mm
Height	1700 mm	1740 mm
Base	4,1/1,05 m	4,67/1,05 m
Internal measures of crate	4x2,31x0,7 m	4,66x2,31x0,7 m
Empty weight/ on support leg	2400 kg/ 500 kg	2700 kg/ 550 kg
Max load	9 ton	12 ton
Total weight	11,4 ton	14,7 ton
Towing eye load horizontal/vertical	17/3 ton	17/3 ton
Capacity (Extended)*	6,33(13,65) cub.m.	7,43(15,96) cub.m.
Crate thickness bottom/walls	5 mm / 4 mm	6mm / 5 mm
Stubaxles	70x70mm F6	80x80mm F8
Brakes 300Gx90 standard/optional	Pneumatic/hydraulic	Pneumatic/hydraulic
Pneumatic brake pressure	8 bar	8 bar
Hydraulic brake pressure	160 bar	160 bar
Elevation cylinder/oil volume/	NA 5 / 9,5 liter/	NAS 6 / 14,2 liter
Elevation angle	52 deg.	52 deg.
Hydraulic circuit pressure	180 bar	180 bar
Wheels standard/pressure	400/60-15,5 / 3,5 bar	520/50-17 / 4 bar
Wheels optional/pressure	480/40-17 / 3,2 bar	505/50R17 / 5 bar
Wheels optional/pressure **	520/50-17 / 4 bar	
Backdoor standard/optional	Hydraulic/mechanic	Hydraulic/mechanic

* Extension set for trailer 964 is marked 73. Extension set for trailer 1275 is marked 85.

** When trailer type 964 is assembled with wheels 520/50-17, manufacturer allows max load up to 10 tons.

5. Maintenance.

5.1 Wheel fastening nuts must be retighten before starting working, after first 8 hours of work and afterwards after every 50 hours of work or as needed.

5.2 Stubaxle bearing nuts (under the protective cup of the stubaxle) must be checked and retighten after first 8 hours of work Afterwards it is suggested to check after every 50 hours and retighten as needed. Wheel must rotate freely after tightening.

5.3 Frequently check the pressure of tyres. Nominal pressures given in chapter 4 - Technical information.

5.5 Trailer has 19 points of lubrication:

- Under the towing eye - 1point
- Eyes of the elevating cylinder - 2points
- Eyes of the backdoor cylinders - 4 points
- Crate elevation hinges - 2 points
- Backdoor elevation hinges - 2 points
- Backdoor locking clamp axles - 2 points
- Swing boggie axles - 2 points
- Stubaxle bearings - 4 points

These points are recommended to lubricate with Multipurpose GR Moly, Mobilux EP2 or similar type of greases. When trailer is in use, these points should be lubricated at least once in every week.

5.6 Every time connecting the trailer to a tractor check the fastening nut and locking pin of the towing eye. **IT IS FORBIDDEN TO USE THE TRAILER** when the locking pin is not correctly fixed and/or fastening nut is loosend.

Manufacturer of towing eye accepts 10% wearing off without significate loss of its efficiency.

6. Warranty conditions.

Manufacturer will supply this product with one year limited warranty from the day of delivery.

Warranty is valid only if :

- The trailer has not been overloaded.
- Required pressure has been used in the working circuits.
- The maintenance work has been carried out on times required and by personnel with an appropriate qualification.
- During the maintenance there will be used original, or previously approved by the manufacturer spare parts, materials or work methods.

Wheel manufacturer supplies 6 month of warranty to the wheels, which does not cover wearing of tyres.

Warranty is not valid if there are any alterations or repair work done that has not been previously approved by the manufacturer or if damage has been caused due to the incompetence or incorrect use of the product. The product warranty does not cover any transportation costs nor any income not received due to any kind of failure.

Manufacturer:

Shroma OÜ
Kiviõli , Vabaduse pst.18
42122 Estonia
Phone/Fax +372 33 95 841
GSM +372 53 402 916
www.shroma.ee

7. Technical drawing.

