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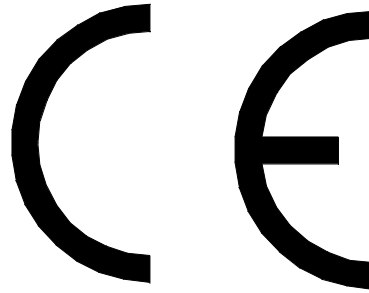
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Towed Hoses Reeler



Operating and maintenance instructions

The "Original instructions" are only in Italian language- See Art. 1.7.4.1-a of the Machine Directive 2006/42/EC



DECLARATION OF CONFORMITY

We declare under our own responsibility that the machine:

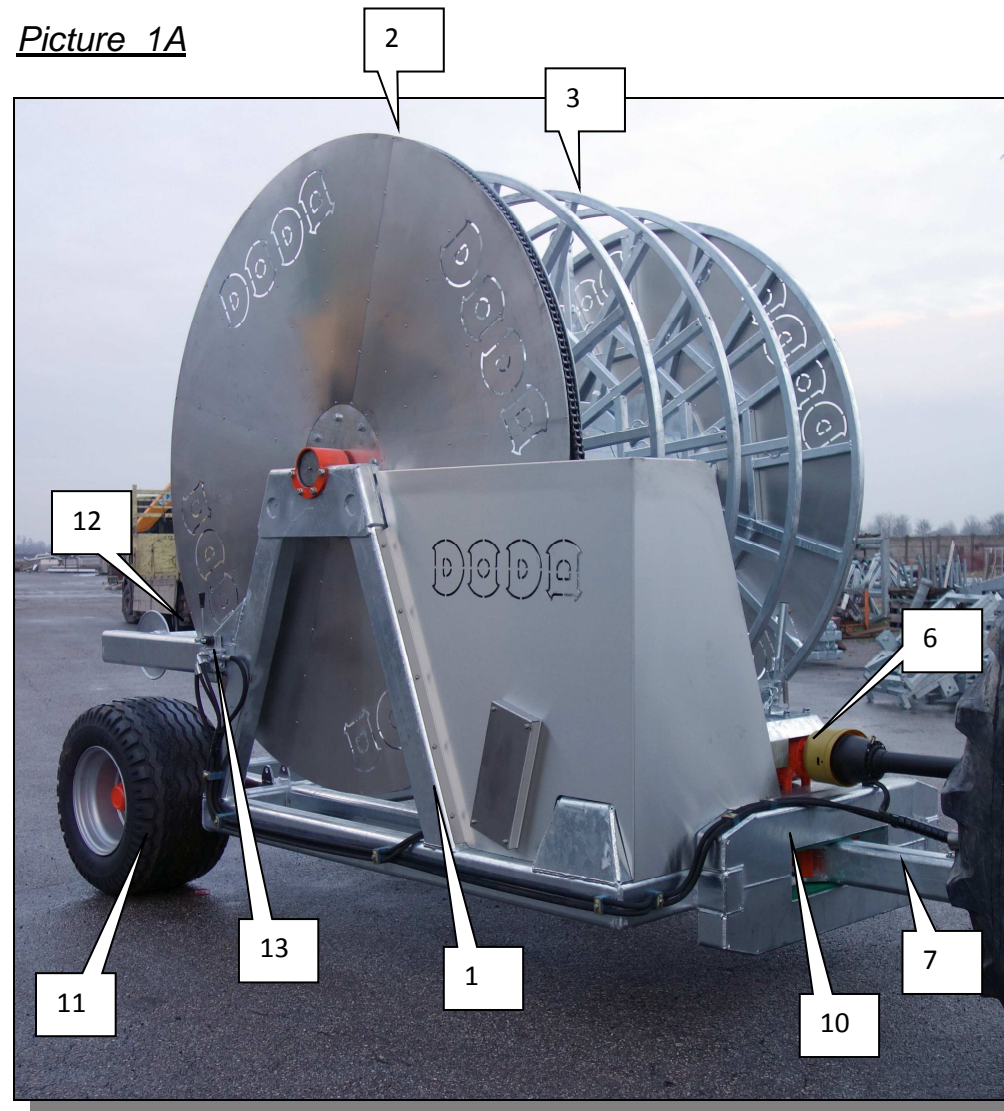
TYPE:	<u>TOWED HOSES REELER</u>
MODEL:	<u>MORDS</u>
SERIAL NUMBER:	<u></u>
CONSTRUCTION YEAR:	<u></u>

We hereby declare own responsibility that the machine complies with the safety and health requirements by European Machine Directive 2006/42/EC. The following harmonized standards have been used for adapting the machine: EN-ISO 4254-1:2013 – EN-ISO 16119-1:2013.

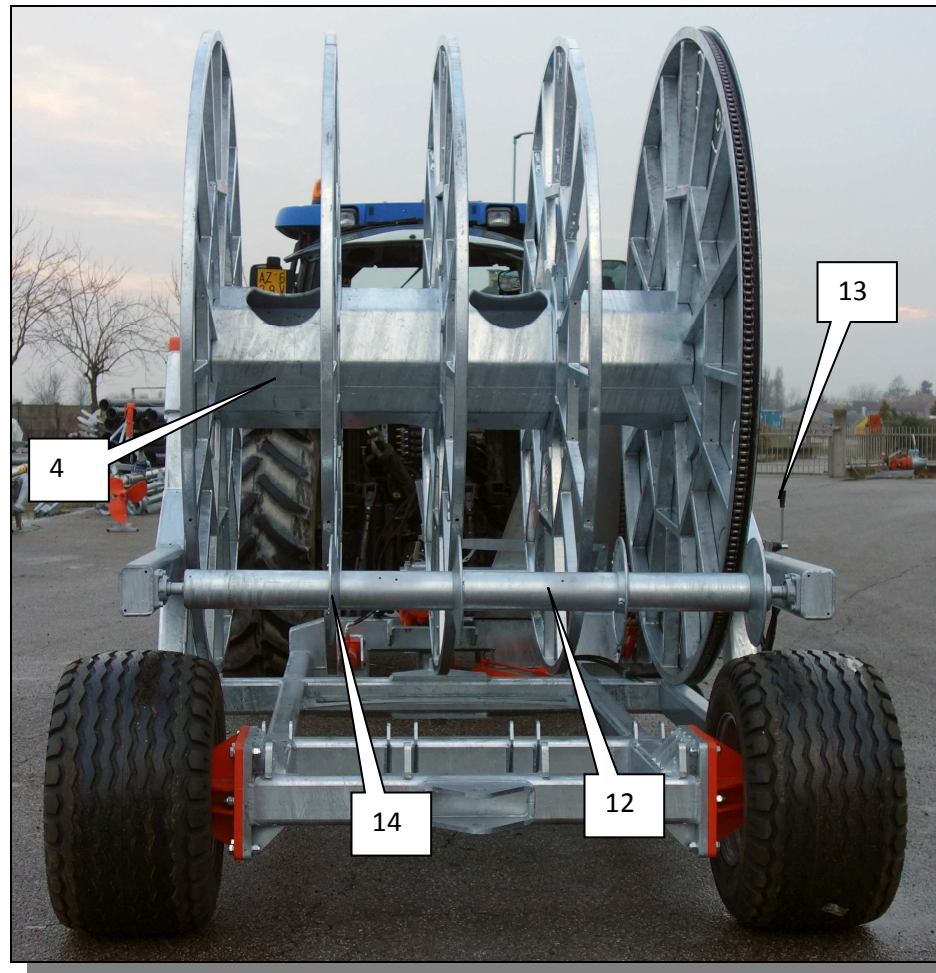
Signature

TOWED HOSES REELER

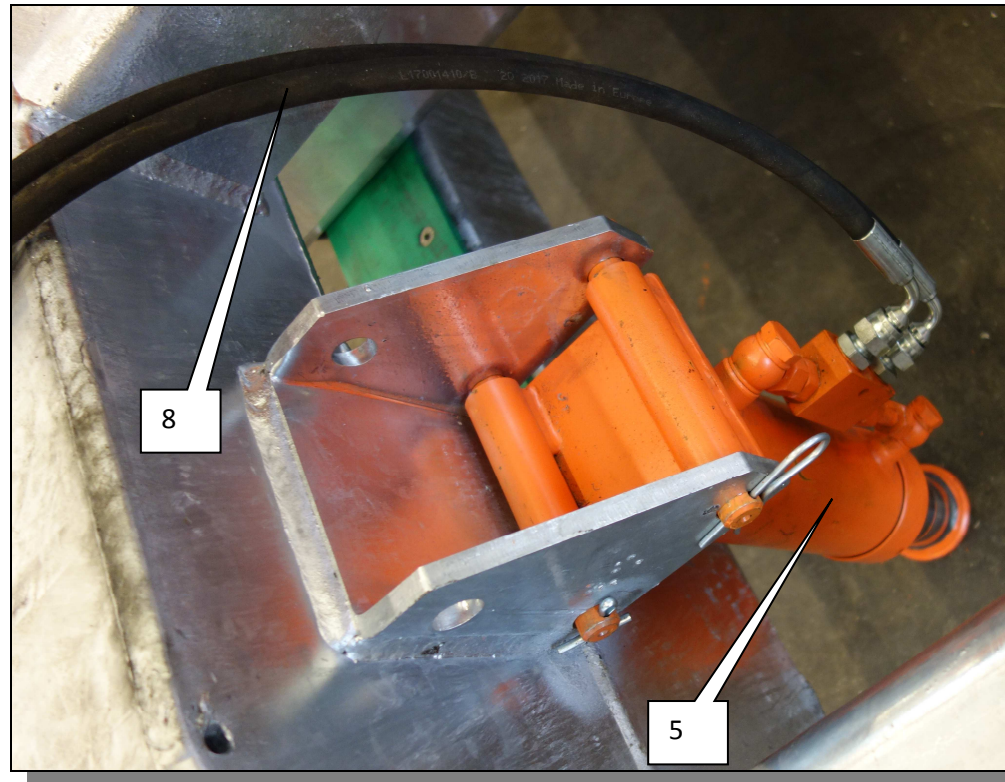
Picture 1A



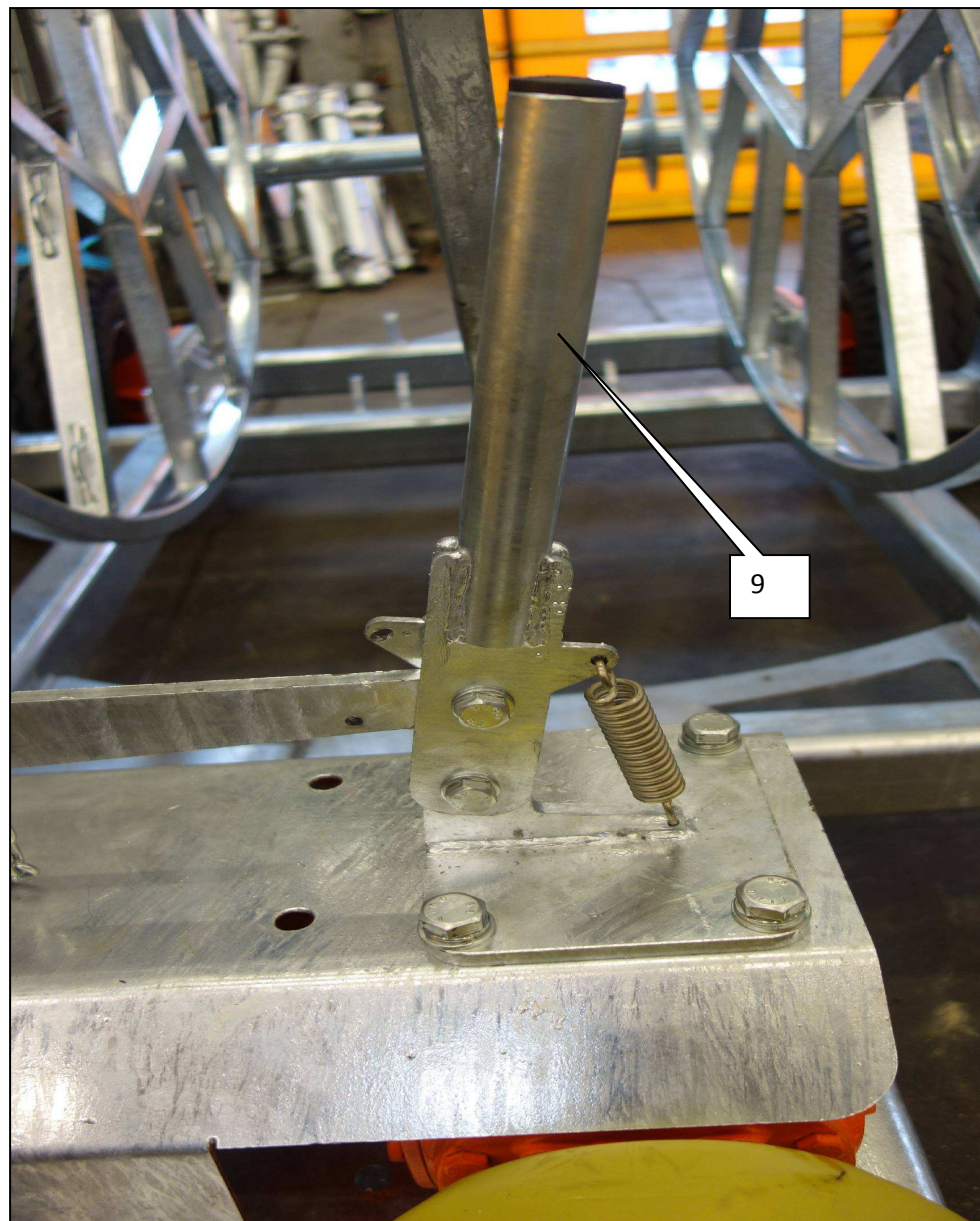
Picture 1B



Picture 1C



Picture 1D



EXPLANATION PICTURES 1A, 1B, 1C and 1D

- 1) Frame
- 2) Wrapping Wheel
- 3) Removable Dividers Rings
- 4) Flexible Hose
- 5) Foot for hydraulic support
- 6) PTO for Hoses retrieval
- 7) Rudder
- 8) Hydraulic tubes for connection to the Tractor
- 9) Lever for engaging /disengaging mechanism for Flats retrieval
- 10) Machine identification plate
- 11) Tires / Pneumatics
- 12) Tube for support / guide for the laying / retrieval of the flats
- 13) Hydraulic distributor for machine “tilting”
- 14) Guiding rings for the laying / retrieval of the hoses

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EXPLANATION PICTURES 1A, 1B, 1C and 1D

- Picture 1A, 1B, 1C and 1d – Overall views of the machine
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- Picture 2 – Hose Drum dragging system
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FOREWORD

THIS OPERATING MANUAL IS INTEGRATING PART OF THE TOWED HOSES REELER AND MUST BE CAREFULLY KEPT IN MACHINE PROXIMITY AVAILABLE TO THE OPERATOR.

The buyer is responsible for the machine. If he wishes to consign the use or maintenance to other people, these must be previously authorized and properly trained.

This operating manual provides all necessary instruction for use and maintenance of the Towed Hoses Reeler, as well as the related **Safety and Accident Prevention Rules**.

From the correct use and proper maintenance depends the steady functioning of the Machine.

The operator must **carefully read** all sections of this operating manual and scrupulously observe what described, in order to prevent any trouble which can prejudice its smooth functioning in safety and its own operating lifespan.

Is it also important to comply to what described in this operating manual since the Manufacturing Company declines any and all liabilities due to negligence and failure to comply with such rules.

Our **Technical Assistance Service** is anyway fully available to ensure an immediate and accurate technical assistance and everything that may be necessary for a better functioning and best performance of the Hoses Reeler, in **full safety conditions**.

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The manufacturing Company reserves the right to modify machine without updating this operating manual. In case of dispute, the valid reference text is the Italian one.

WARRANTY

Verify on delivery that the Towed Hoses Reeler is intact, complete with all accessories and has not been damaged during transport. Any complaint must be submitted in writing within 10 days from the delivery of the Towed Hoses Reeler.

The buyer can only assert his warranty rights when he has complied with the conditions set forth in the supply contract.

WARRANTY EXPIRATION

The Warranty is void when the operator doesn't use the Towed Hoses Reeler in the proper way, not respecting the operating instructions described in this Operating Manual or the warnings on the labels applied on the machine. It is void also in all the following cases:

- arbitrary replacement and/or modification of any machine component.
- tampering and/or arbitrary modification of calibration values set by Manufacturer on the various hydraulic valves
- when, both in the recovery and unrolling phase, the machine is subjected to stresses and / or speeds exceeding those permitted.
- when the speed is exceeded 10 Km/h during the transport phase of the machine or anyway when an inopportune speed is used on uneven and/or dangerous routes.

Pay particular attention to warning sign, where indicated, in this Operating Manual. Warning signs are of three levels:



WARNING: This signal warns that if the described operations aren't carefully observed and correctly executed there can be serious injury, death, or long-term risks to health



WARNING: This signal warns that if the described operations aren't carefully executed there can be serious injuries, death, or long-term risks for the health



WARNING: This signal warns that if the described operations aren't correctly executed they can cause damages to the machine there can be serious injury, death, or long-term risks to health

GENERALITIES

Use in line with the rules

- The Towed Hoses Reeler is built for common agricultural works only (use according to the rules).
- A different use from the one mentioned above doesn't comply with the rules. The Manufacturer isn't liable for any damage resulting from such use, the User must assume any and all the risks.
- The use of the machine is strictly FORBIDDEN to all those who don't know the prescriptions and rules described in this Operating Manual.
- The use of the machine is strictly FORBIDDEN to all who are under the influence of sedatives, alcohol or any kind of drugs.
- The use according to the rules implies also maintenance in the prescribed terms by the Manufacturer regarding the working conditions, maintenance and maintenance repairing.
- The use of the Towed Hoses Reeler, maintenance works and repairing must be carried out by trained personnel who sufficiently knows the machine and the related risks.
- Always comply with the rules in force for accident preventions and the general rules regarding technical safety, occupational medicine and traffic rules.
- Changes made to the machine on its own initiative exclude any liability by the Manufacturer for any resulting damages.
- Use this Operating Manual in a way to prevent any kind of deterioration; it is forbidden to remove, add, modify and/or rewrite any part of this Operating Manual. Only the Manufacturer of the machine can modify the Operating Manual.
- This Operating Manual must be always handed over to any other User and/or new Owner of the Machine.
- The Employer (User) is liable for the disclosure of this Operating Manual: this Operating Manual must be made available and disclosed to all the personnel who will interact with the machine. In case of loss, destruction or damage (even partial) of this Operating Manual, the Employer agrees to obtain a new copy of the same Operating Manual.

BASIC RULES



Before circulating on public roads and before each starting up, check the safe functioning of the Towed Flat Hoses Reeler and road travel of the tractor.

Safety and accident prevention rules

- 1) Besides the recommendations in these operating instructions for use, observe the General Rules valid for safety and accident prevention!
- 2) Before starting to work become familiar with the devices and operating elements and also with their function. It may be too late during the use of the machine.
- 3) The User clothing must be adequate to the use and must be tight. Avoid wide clothing. Use always PPE (personal protective equipment) fit for the purpose! (gloves, protective glasses, safety shoes, helmets, etc.)



- 4) To avoid the risk of fire keep the machine clean especially from flammable agents (oils, fats, oil, etc.)
- 5) Before starting the system and move check the surrounding area! (Watch out for children!) Make sure you have sufficient visual!
- 6) It is forbidden to carry passengers on the machine during operation and during transport.
- 7) Connect the equipment according to specifications, fasten and secure them only on prescribed devices!
- 8) During assembling and de-assembling put the supporting devices in the respective positions!
- 9) It is needed to take special care during coupling and decoupling of equipment to the tractor!
- 10) Install and check the transport equipment, warning devices and any protective equipment
- 11) The actuating devices (ropes, chains, linkages, etc.) and remote controlled devices must be put in a position such as to avoid causing involuntary movements during all transport and working positions

- 12) When driving on the road put the equipment in the prescribed condition and lock according to the instructions of the manufacturer
- 13) While driving absolutely do not leave the driver's seat
- 14) The running speed must always be adapted to the circumstances! When traveling uphill, downhill and on inclines with a slope; avoid sharp and abrupt turns
- 15) Driving behavior, the steering and braking capacity can be influenced by the attached or installed equipment and their weight. For this reason, always take into account the capacity of steering and braking
- 16) During curving, take into account the size and/or the centrifugal mass of the machine and its load
- 17) Operate the machine only if all protective devices are mounted and adjusted properly
- 18) It is forbidden to stay in the work area
- 19) Do not stand in the range of rotation, overturning and movement of the machine
- 20) All hydraulically driven components must be actuated only if in their range there are no persons
- 21) In the parts operated by external forces (e.g. Hydraulic) there may always be crushing and/or cutting points
- 22) Before leaving the tractor put the machine on the ground, switch off the engine and remove the key to power on
- 23) No one should stand between the tractor and the machine

Hooked equipment

- 1) Secure the equipment to avoid involuntary movements!
- 2) Comply with the maximum load allowed for the drawbar and/or drawbar

Hydraulic System

- 1) N.B. – The hydraulic system is under pressure
- 2) To connect the hydraulic components (valves, distributors, cylinders, motors, etc.), comply with the connection indicated for hydraulic hoses
- 3) Before any connection with the hoses, eliminate the pressure from the hydraulic system of the machine!
- 4) Check AT LEAST ONCE A YEAR the state of all hydraulic flexible connections. In case of bruising and/or defects REPLACE IMMEDIATELY. The new hoses must conform to the technical requirements laid down by the machine Manufacturer
- 5) Every 5 years REPLACE ALL the hydraulic connection hoses. The replacing hoses must comply with the technical requirements provided by the Manufacturer of the machine
- 6) In order to avoid all the risks of accidents during the location of the leakage points, use all the relevant personal protection devices! (gloves, protection glasses, accident-prevention shoes, etc.)



- 7) The high-pressure liquids that go out (hydraulic oil) may penetrate into the skin and cause serious lesions. In case of lesions, immediately undergo a medical examination. Danger of serious infections.
- 8) Before carrying out any work on the hydraulic system, replace the machine and eliminate the pressure from the system.

Maintenance

- 1) Maintenance, repair and cleaning operations as well as the elimination of operating inconveniences, must be always carried out when the machine is disconnected and the engine stopped. Always pull out the ignition key.
- 2) Check periodically nut and screw tightening and, if necessary, tighten them.
- 3) In case of maintenance operations etc. with the machine lifted up, always secure it by means of the appropriate support elements.
- 4) To replace sharp or angular parts, use suitable equipment and protection gloves!
- 5) Oil, grease and filters must be disposed of in an appropriate way
- 6) If the protection devices are worn-out, they must be periodically checked and, if necessary, replaced in good time
- 7) During the carrying out of electric welding on the tractor and the equipment fitted, disconnect the cable of the generator and the battery
- 8) Spare parts must always comply with the technical requirements indicated by the Manufacturer. They also must have the CE marking. This can be always guaranteed by **Original Spare Parts**. The Manufacturer declines/refuses every responsibility that concern the use of NOT original spare parts and/or NOT marked CE

INTRODUCTION

The Towed Hoses Reeler is equipped with all the necessary safety (protection) devices. Nevertheless, in order not to compromise machine functionality, it was not possible to completely protect all its dangerous points. These residual risks are signaled on the machine by means of suitable signal plates.

Danger signaling are indicated by means of warning symbols. The position of these plates and their meaning/explanation are detailed in the following pages.

The machine has also a series of other signal plates that are necessary for a correct use and control of the machine; the Irrigator has the signal plates that follow:

- WARNING SIGNS
- DANGER SIGNS
- INDICATION SIGNS



We advise to familiarize with ALL the signs described here below. The text aside and their position on the machine provide for important information about WARNING, DANGER, CONTROL and/or DIRECTION points of the machine.

Each Towed Hoses Reeler has also an **Identification Plate** (Fig. 1A Pos. 10 and picture in this page) where are reported:



- Manufacturer's Address
- Type and model of the machine
- Serial Number
- Anno produzione

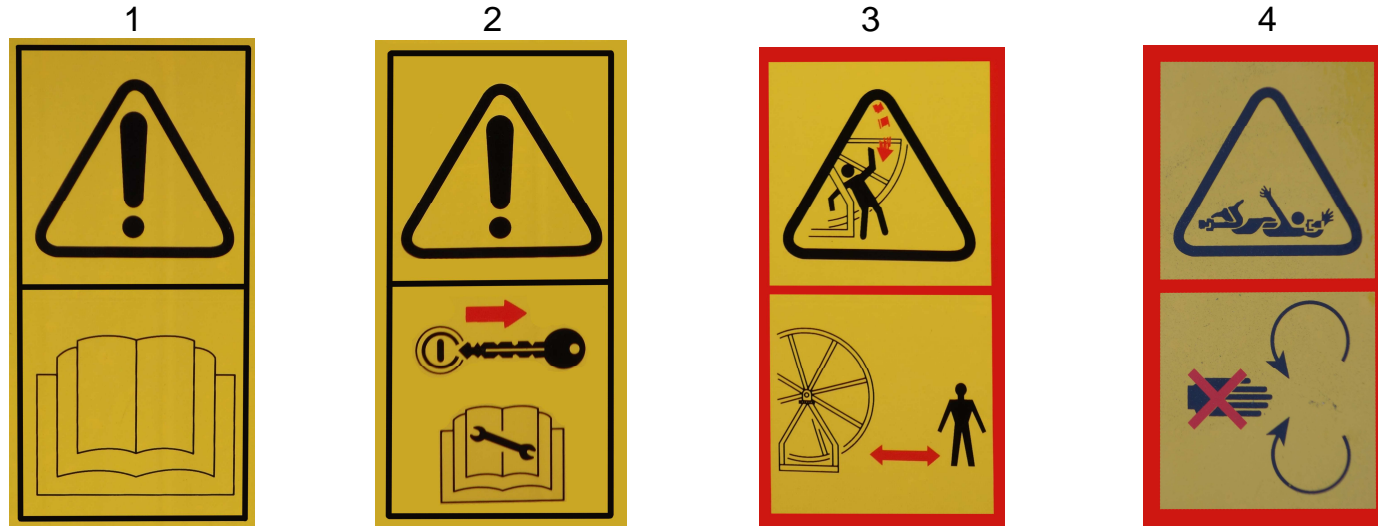


It is absolutely recommended NOT to remove and/or damage the identification plate. If it is damaged or lost, it is possible to ask for another one to the manufacturer.

Position of the warning plates on the machine



WARNING and DANGER signs



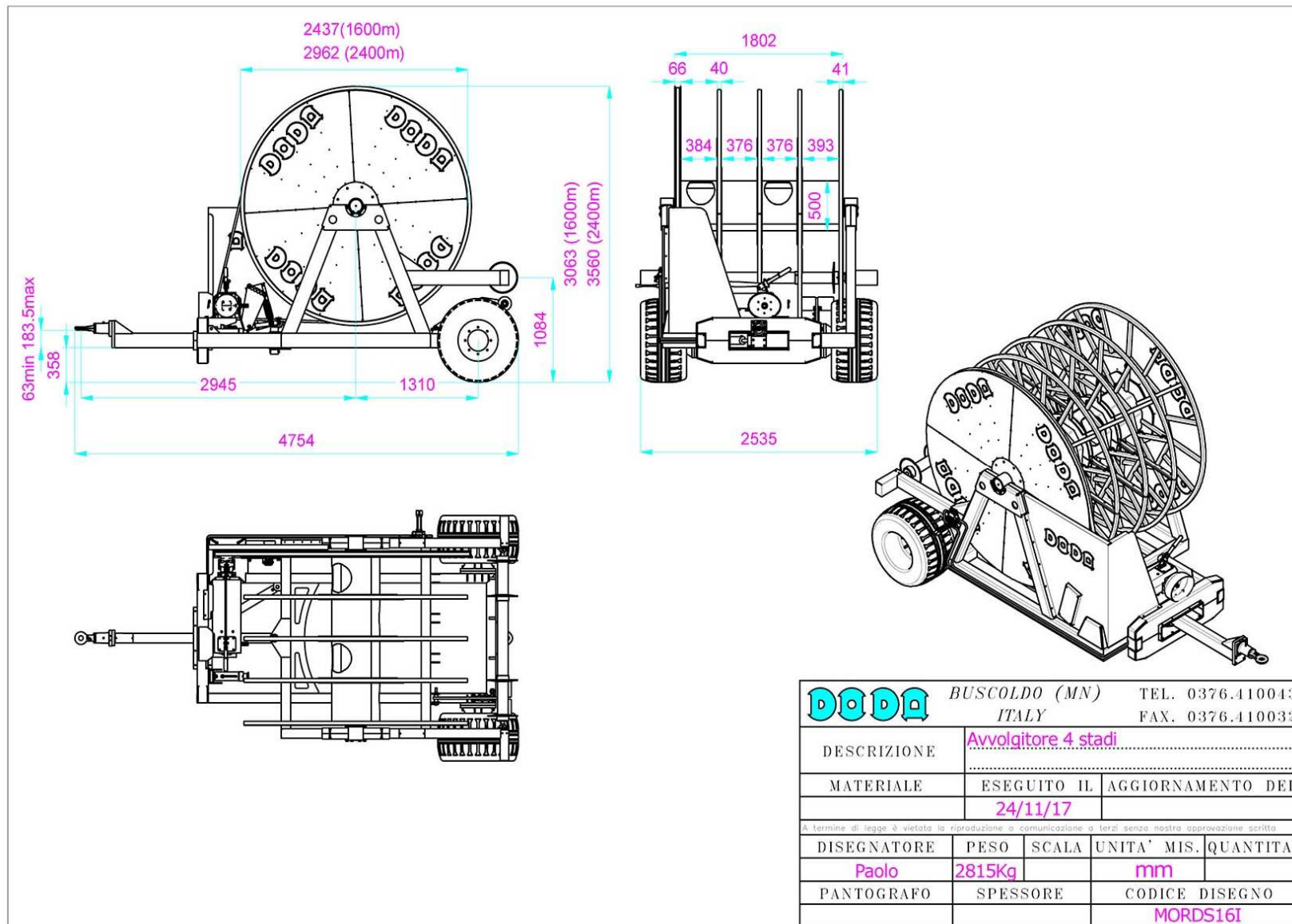
WARNING signs

- 1) Before starting working, read the operating manual carefully.
- 2) Before any maintenance operations, stop the machine, extract the ignition key and check that the backstop devices and/or the brake are connected. Look up in the operating manual.

DANGER signs

- 3) Danger of being hooked by the rotation of the tube-holder wheel. Do not approach the moving gears both in the tube unrolling and in the tube recovery phases.
- 4) Danger of being hooked by the cardan shaft. Do not approach the moving gears

TECHNICAL DATA OF THE MACHINE



• Total length	4,75	m
• Max Width	2,54	m
• Max height Wheel Ø2400	3,06	m
• Max height with Wheel Ø2900	3,56	m
• Max Flat length Ø150 (225 x 20 flattened) - Nr 4 coils - with Wheel Ø2400	1.600	m
• Max Flat length Ø150 (225 x 20 flattened) - Nr 4 coils - with Wheel Ø2900	2.400	m
• Overall Max Mass (without Flat)	2.850	kg
• Overall Max Mass (with 2.400 mt of Flat Ø150)	7.000	kg
• Max Mass on center-towing eye (with 2.400 mt of Flat Ø150)	2.300	kg
• Max Mass on wheel center (with 2.400 mt of Flat Ø150)	4.700	kg
• Max pressure allowed for hydraulic system	150	bar
• Revolutions of cardan shaft	540	g/min'
• Installed Tires	19 /45 – 17°	
• Pressure of the tires	3,0	bar

FUNCTIONING


Basic principle of functioning

The Towed Hoses Reeler is mainly composed of a steel frame with two supports to hold and the guide the Hose Drum. At the center of the machine the Hose Drum (on which normally are placed flexible flats) is rotated through a chain drive (switchable).

In a first step the flexible flat is unrolled and laid on the ground. At the end of the "campaign" the flats are wound on the central drum. The rewinding is controlled by a cardan shaft connected to the "PTO" of the tractor. The Hose Drum is equipped with three rings of separation that can be positioned in any axial position: they allow to wrap at least 4 coils of flats on the Hose Drum, perfectly separated from each other.

Safety standards and accidents preventions during use

Read carefully all instructions before use of the Towed Hoses Reeler: in case of doubt, please contact the Dealer's/Manufacturer's technicians. The manufacturing company declines all and any responsibilities for the non-compliance with the safety and accident prevention rules described as follows:

- 1) Pay attention to the danger signs reported in this handbook and on the machine.
- 2) Scrupulously comply with all accident prevention measures recommended and described in this handbook.
- 3) Do not touch in any way the moving parts. Attention, some parts of the machine turn very slowly.
- 4) Before carrying out any interventions on the machine, stop the tube recovery system, check that there is no pressure in the hydraulic tube. Stop the Diesel engine. Take off the key.
- 5) Before setting the machine at work, check the perfect integrity of all safety devices for transport and use.
- 6) Before starting working with the machine, make yourself familiar with all its control devices and with their functions.
- 7)  **WARNING: it is absolutely forbidden to stay in the action area of the Towed Hoses Reeler where there are moving parts**
- 8) It is absolutely forbidden to carry people or animals on the Towed Hoses Reeler or place objects or disassembled accessories
- 9) It is absolutely forbidden to exceed the speed of 10 km/h, it is also forbidden to drive or to let drive the Tractor with the Towed Hoses Reeler coupled and/or the position and the adjustment of the machine by personnel without proper driving license, not skilled and or in good health
- 10) The coupling of the Towed Hoses Reeler to the tractor involves a different distribution of the weight on axles. If necessary add proper front weights to have the right balance

- 11) Is it very important to keep in mind that the road grip and the capacity of steering and braking of the tractor can be significantly affected by the presence of a towed sprinkler.
- 12) Pay attention during cornering to the centrifugal force exerted in a different position from the center of gravity, with or without the Reeler towed.
- 13) It is absolutely forbidden to interpose between the Towed Hoses Reeler and the tractor when the engine is running and if you didn't previously insert the parking brake and a blocking shoe or a stone under the wheels.
- 14) Before leaving the tractor with the coupled irrigator, stop the engine, insert the parking brake, take off the starting key of the control board.
- 15) Before leaving the Towed Hoses Reeler uncoupled from the tractor, lean the front Support Foot (Pict.1C Pos. 5) to the ground, and remove the 2 connecting hydraulic tubes (Fig. 1C Pos. 8)
- 16) Before unhooking the Towed Hoses Reeler from the tractor, make sure the Reeler is "on level ground"



- 17) **WARNING: During use and immediately after, all pipes, fittings and all components of the hydraulic system can reach high temperatures. Avoid touching these items for a burn hazard.**

- 18) Periodically check the clamping and the tightness of the nuts and bolts and eventually re-tighten them.
- 19) The spare parts must be in conformity to the requirements defined by the Manufacturer. **Use only original spare parts.**
- 20) Observe the compliance of the recommended oils.
- 21) The instruction manual must be conserved for the entire duration of the machine.



- 22) **CAUTION:** pay the utmost attention during all the operations of connection of the two connecting hydraulic pipes (Pict. 1C Pos. 8) to the relating sockets on the rear of the tractor. For this operation are always **ESSENTIAL** the appropriate PPE (goggles, gloves, helmet etc.).



INSTRUCTION BEFORE USE



ATTENTION !!!

Before the setting of the Towed Hoses Reeler, install all accident prevention protection eventually disassembled for transport reasons. The assembling of those disassembled parts must be carried out by the Tester of the local Dealer or directly by the Manufacturing Company. Such tester is particularly trained for both the correct assembly and the instructing of the User with respect to the setting of the Towed Hoses Reeler. Carefully follow the instructions received by the tester. Carefully read the instructions in this Operating Manual. Before operating the Towed Hoses Reeler verify that the machine is in perfect order.

OPERATING RULES

Hooking to the tractor and transport

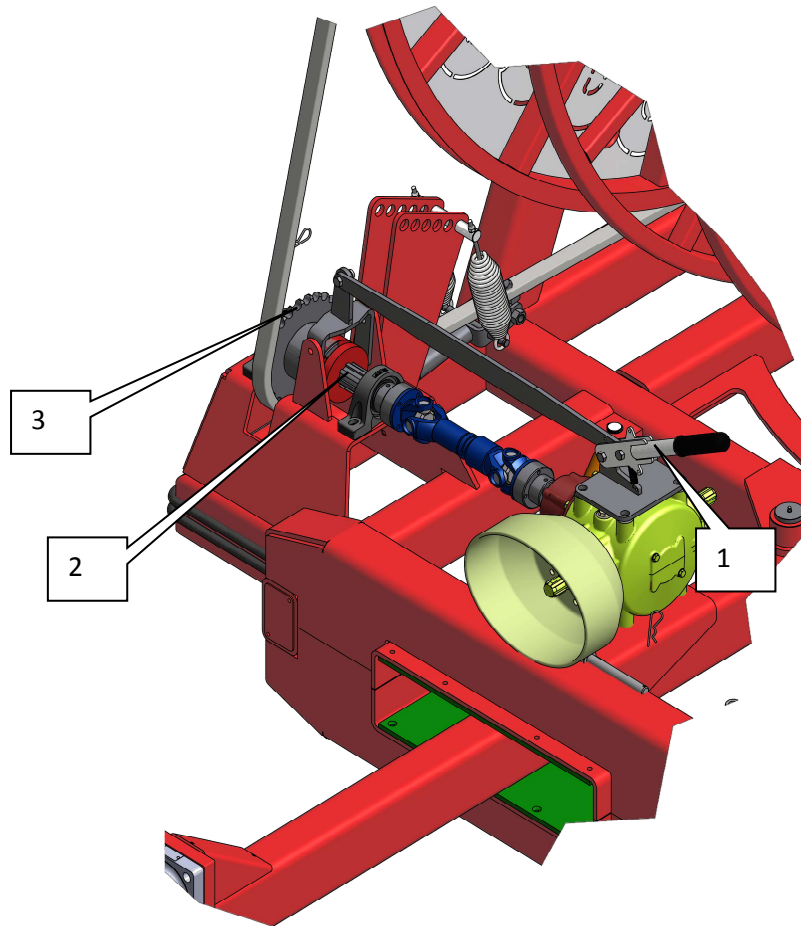
- 1) Position the tractor in the coupling area of the Towed Hoses Reeler.
- 2) If the height of the rudder is not suitable for the towing hook of the tractor, connect the hydraulic hoses of the lifting foot of the machine carriage (Pict. 1C Poc. 5). Operate the control to raise the rudder "eye" in the right position for coupling to the tractor
- 3) Use a tractor of adequate power and verify that the weight that can be sustained by the hook is greater than the weight shown on the Identification Plate on the towing eye. (Pict. 1A Pos. 10 e Picture at page 16)
- 4) Hook the tractor by inserting the plug and the respective safety. Turn off the tractor and put the parking brake.
- 5) Now connect the 2 hydraulic pipes that feed the lever distributor to the respective sockets on the rear of the tractor (See also Chapter "Safety and accident prevention rules")
- 6) Operate the control handle and lift the front support foot (Pict. 1A Pos. 5) bringing it back completely



- 7) **DANGER:** Now the machine is in transport position. To safely operate see chapter "Safety and accident prevention rules during use"

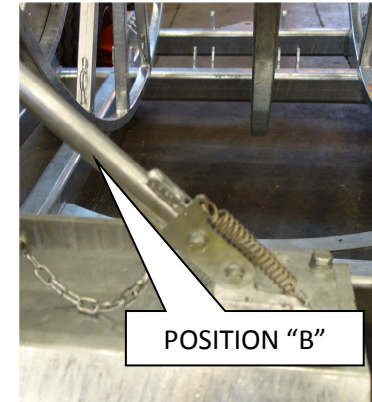
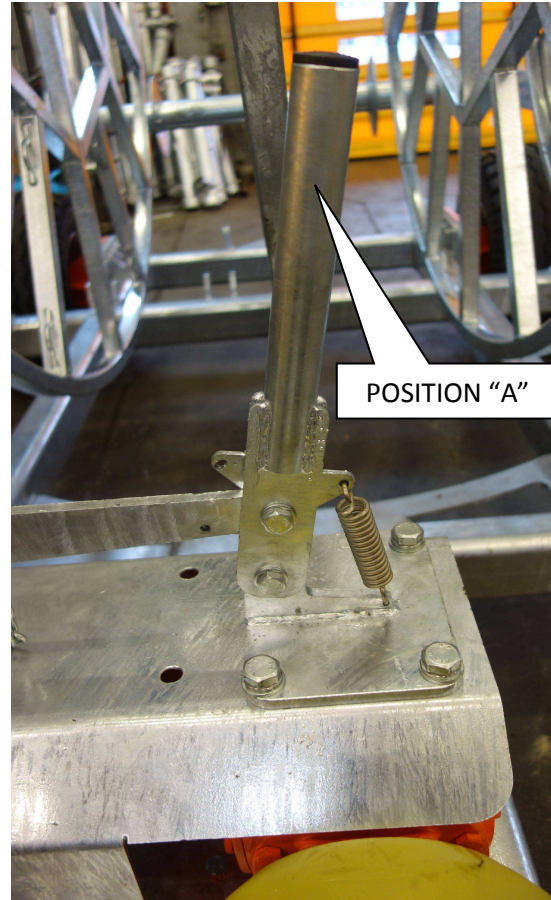


- 8) Transfer the Towed Hoses Reeler in the working position, remembering to never exceed the speed of 10 km/h.
- 9) **WARNING:** **before starting the transport, always verify** that the Flats are properly secured in place on the flats holder wheel



Legenda:

- 1) Gear Control Lever
Pos. "A" - Graft inserted in the ring gear (Retrieve)
Pos. "B" - Graft disc. from ring gear (Flats unrolling)
- 2) Grooved shaft
- 3) Ring Gear



Flats Laying

- 10) Unroll the flats always on a dry and level ground.
- 11) Place the tractor with the Towed Hoses Reeler in the area where the flats will be unrolled: WARNING – the Hose Drum is equipped with 4 separated sectors, delimited by 3 dividers rings (Pict. 1A Pos. 3). Place the Towed Hoses Reeler in the right transverse direction to start the laying of the desired flat.
- 12) Move the gear control lever (Pict. 2 Pos. 1) in “B” position: in this way the Reeler Hose Drum is free to turn.
- 13) Extract manually the first flat to be laid and after having passed it **under** the Support/Guide Tube (Pict. 1B Pos. 12) secure it to the ground. Eventually (recommended) secure the guide rings (Pict 1B Pos. 14) in correspondence of the flat to be laid.
- 14) Advance with the tractor and the Towed Hoses Reeler at low speed (Max. 5 Km/h) observing always that on the machine everything is normal
- 15) When the unrolling is completed, reposition the Tractor and Towed Hoses Reeler and repeat the operation.

Retrieval of the flats from the ground

At the end of the use for their recovery it is necessary to operate as described below

- 16) Position the tractor with the Towed Hoses Reeler in the area where it is necessary to retrieve the first flat: WARNING – the Hose Drum is equipped with 4 separated sectors, delimited by three divider rings (Pict. 1A Pos. 3). Place the Towed Hoses Reeler in the right transverse position to begin with the retrieval of the desired.
- 17) Verify that the gear control lever (Pict. 2 Pos. 1) is in the position “A” indicated in Picture 2 (if not move it in position “A”).
- 18) Hook the flat to be retrieved to the Hose Drum **after having passed under the Support/Guide Tube** (Pict. 1B Pos. 12) and position correctly the guide rings (Pict. 1B Pos. 14) in correspondence to the sector in which is intended to retrieve the flat.



DANGER: before starting the retrieval of the flat from the ground verify that the tractor is hooked, with parking brake engaged

- 19) Insert a Cardan shaft of adequate length and power between tractor PTO and Towed Hoses Reeler PTO (Pict. 1A Pos. 6)

- 20) Turn on the tractor and gradually and carefully take the cardan shaft to 540 r.p.m. (absolutely don't exceed this speed). The flats holder wheel starts to turn and retrieve the flat from the ground.



DANGER: move away from the area of passage of the flat in the guide Rings (Pict. 1B Pos. 14) in the flat holder Wheel: due to the tension that may be created by the flat, in case of breakage of the same, the residual tension may cause severe and serious damages to persons and things !!!

- 21) As long as the flat is retrieved from the ground and wrapped on the flats holder Wheel, it is possible to tilt the machine in both directions acting on the hydraulic distributor placed in the rear area of the Towed Hoses Reeler (Pict. 1A and 1B Pos. 13). This maneuver is very useful to obtain the correct position of the flat being retrieved in the appropriate sector of the flat holder Wheel, delimited by the Dividers Rings (Pict.. 1A Pos. 3) previously placed.
- 22) At the end of the retrieval (with sector of flat holder Wheel full) replace the Tractor and Towed Hoses Reeler and repeat the operation-

MAINTENANCE

Here below are listed the maintenance operations to be performed periodically. Duration and operating costs of the Towed Hoses Reeler depend from the methodic observance of such rules.

CAUTION: intervention times listed below are only for your information. With heavy duties and special conditions there may be the need of more frequent maintenance operations. It is advisable to inject in all grease nipples the waterproof grease like AGIP GRSM molybdenum disulfide or equivalent. Before injecting the lubricant grease in the grease nipples it is necessary to thoroughly clean the same grease nipples.



WARNING: observe the rules for the disposal of oils, greases and lubricants and various liquids. In this regards see also the Chapter “Basic Rules” Maintenance on page 13 of this Operating Manual.



WARNING: the User clothing must be adequate to the use and must be tight. Avoid wide clothing. Use always PPE (personal protective equipment) fit for the purpose (gloves, protective goggles, safety shoes, helmets, etc.)



After the first 15 hours

- Carry out a general inspection of the machine and the tightness of all the bolts. Apply a little bit of grease with a brush on the grooved shaft of the coupling unit (Pict. 2 Pos. 2)

Every 100 hours

- Lubricate all grease nipples of the machine
- Carry out a general inspection of the machine and the tightness of all the bolts. Apply a little bit of grease with a brush on the grooved shaft of the coupling unit (Pict. 2 Pos. 2)

Every 500 hours, and at least once a year

- Lubricate all grease nipples of the machine
- Carry out a general inspection of the machine and the tightness of all the bolts. Apply a little bit of grease with a brush on the grooved shaft of the coupling unit (Pict. 2 Pos. 2)
- Check the tension of the chains
- Check the tires pressure and back it to the value indicated on the plate if needed
- Check the condition of all hydraulic flexible connecting tubes. In case of bruising and/or defects REPLACE IMMEDIATELY. The new tubes must conform to the technical requirements provided by the machine Manufacturer.

WINTER BREAK PREPARATION

Special advices about safety



- All routine, supplementary, assistance and cleaning interventions can be only carried out when the machine is motionless
- Lock the machine (and, in case, the tractor) so that they cannot move (wedge locks).
- Once the operations of assistance and/or maintenance have been carried out, fit again all protection and safety devices in a correct way.
- Avoid skin contact with oil and/or grease
- In case of wounding caused by oil loss, consult immediately a doctor → DANGER OF INFECTIONS!
- Strictly comply with all other safety advices, in order to avoid wounding and accidents – See chapter “Basic Rules” of this Operating Manual

The Towed Hoses Reeler is a seasonal machine and it usually has a long period of inactivity; a correct preparation for this period of time is very important!!

- 1) Carefully clean the Towed Hoses Reeler, inside and outside. For this purpose can be used a device for high-pressure washing, but without directing the jet of water directly to the bearings.
- 2) After washing lubricate all the points indicated by their specific tags. Do not remove the bearings etc. and grease that comes out; the border of grease constitutes a further protection against moisture
- 3) Check that all “movable” components move properly. If necessary remove them, grease and reassemble. Replace if necessary. **Always use original spare parts from DODA.**
- 4) Retouch any damage to the paint and apply a rust inhibitor on parts without varnish.
- 5) Keep the Towed Hoses Reeler and the respective flat winder wheels in a dry place, indoor but not close to chemical fertilizers or stables. Place the front support foot (Pict. 1A Pos. 5) to the ground and on a level ground. Insert also logs as blocks for the wheels.
- 6) Avoid leaving unnecessarily the machine exposed to the sun when not in use.
- 7) Protect the tires from external actions, such as oil, grease, sunlight, etc.

Perform the necessary routine maintenance immediately after the season of use of the Towed Hoses Reeler. Bring a list of all required spare parts. In this way you will help the handling of your possible orders and you will be sure that your machine, at the beginning of the next season, will be ready for use.

If these operations are carried out with care, the benefit will be only for the User, as at the resumption of the work the machine will be in perfect

RESTARTING AFTER WINTER BREAK

Special advices about safety



- All routine, supplementary, assistance and cleaning interventions can be only carried out when the machine is motionless
 - Lock the machine (and, in case, the tractor) so that they cannot move (wedge locks).
 - Once the operations of assistance and/or maintenance have been carried out, fit again all protection and safety devices in a correct way.
 - Avoid skin contact with oil and/or grease
 - In case of wounding caused by oil loss, consult immediately a doctor →DANGER OF INFECTIONS!
 - Strictly comply with all other safety advices, in order to avoid wounding and accidents – See chapter “Basic Rules” of this Operating Manual
- 1) Grease all the lubrication points indicated by the appropriate. Clean the grease exceeding from the lubricating points
 - 2) Check the seal of the flexible tubes and hydraulic lines and, if necessary, replace them
 - 3) Check tire pressure and, if necessary, inflate them.
 - 4) Check the tightening of all the screws and, if necessary, tighten them.

Please remember that DODA is always available for any explanation and/or need of assistance and spare parts!

MACHINE SCRAPPING AND WASTE DISPOSAL:

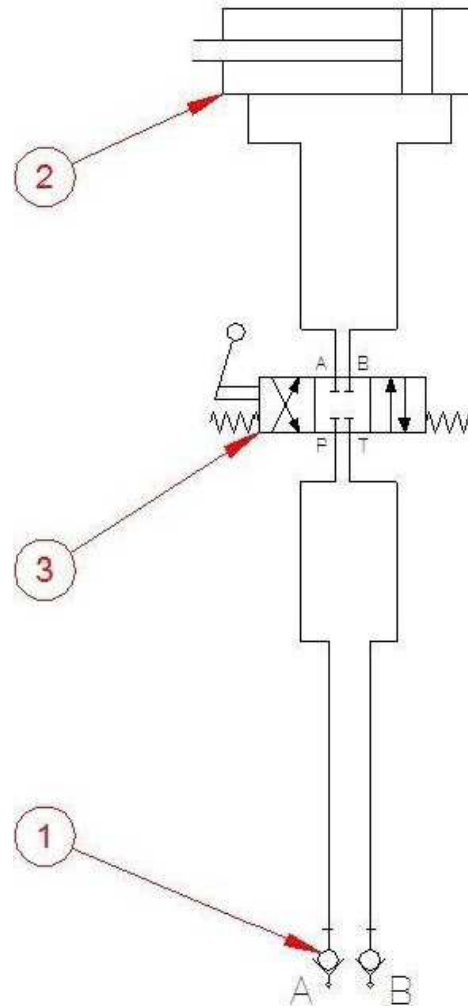
The disposal do not imply particular precautions because the machine is made without harmful materials; as a matter of it is made by iron and non-iron material, by plastic accessory (electric and hydraulic system), by coppered parts in the electric cables, by engine, pump and reducer.

For the waste storage coming from the machine dismantling, it will be necessary to use suitable containers in compliance with what is ordered by the European Directive and/or by national laws of the State in which the machine will be dismantled.

The machine must be scrapped in suitable dump following the laws in force of the State in which it will be dismantled. Collect the exhaust oils and dispose them in the specific collecting centers.

Before starting the scrapping it is necessary to separate the parts of gum or plastic and the electrical material. The parts made only by plastic, steel, aluminum can be recycled if they are collected in the specific collecting centers.

Oleodynamic Plant Diagram



Explanation of the OLEODYNAMIC PLANT DIAGRAM

- 1) Quick couplings for hydraulic connecting hoses to the tractor (Pict. 1A Pos. 8)
- 2) Hydraulic cylinder for "tilt machine"
- 3) Distributor command for the cylinder (Pict. 1A and 1B Pos. 13)

NOTE: