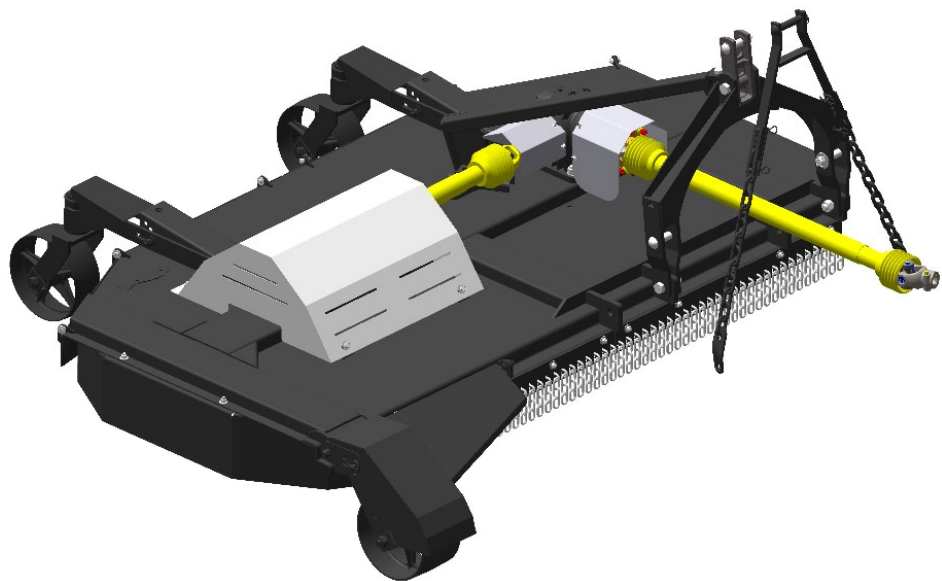


Instruction Manual



RDD-E 2600

Rotary Cutter Double Direct Special

 **BALDAN**

■ Presentation

We appreciate your preference and congratulate you for the Excellent choice you have just made, as you have purchased a product manufactured with **BALDAN**



IMPLEMENTOS AGRÍCOLAS S/A.

This manual will guide you through the procedures that are necessary since its acquisition until the operating procedures of use, safety and maintenance.

BALDAN guarantees that it delivered this implement to the reseller complete and in perfect condition.

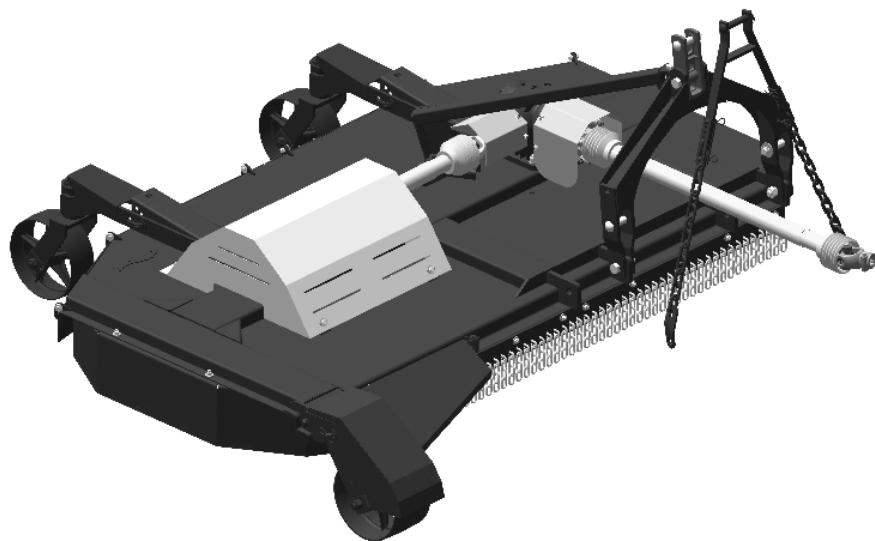
The resale is accountable for the custody and maintenance during the period it was in its power, and also for assembly, retightening, lubrication and overhaul.

In technical delivery, the dealer should guide the user customer regarding maintenance, security, their obligation to possible technical assistance, the strict observance of the warranty and reading the instructions manual.

Any request for technical assistance under warranty must be made to the dealer where it was purchased.

We reiterate the need for careful reading of the warranty certificate and the observance of all items in this manual, because doing so will increase the life of your implement.

Instruction Manual



RDD-E 2600

Rotary Cutter Double Direct Special

BALDAN IMPLEMENTOS AGRÍCOLAS S/A.
CNPJ: 52.311.347/0009-06
Insc. Est.: 441.016.953.110



Scan the QR Code on the
identification plate of your
device and access this
Instruction Manual Online

 **BALDAN**

▪ Index

BALDAN WARRANTY	07
GENERATION INFORMATION	08
<i>To the owner</i>	<i>08</i>
SAFETY STANDARDS	9
<i>Ao operador</i>	<i>9 - 12</i>
WARNINGS	13 - 14
COMPONENTS.....	15
<i>RDD-E - Rotary Cutter Double Direct Special</i>	<i>15</i>
DIMENSIONS	16
<i>RDD-E 2600</i>	<i>16</i>
SPECIFICATIONS	17
<i>RDD-E - Rotary Cutter Double Direct Special</i>	<i>17</i>
HITCH.....	18
<i>Tractio hitch</i>	<i>18</i>
<i>Adjusting the length of the cardan - Part I</i>	<i>19</i>
<i>Adjusting the length of the cardan - Part II</i>	<i>20</i>
ADJUSTMENT	21
<i>Centralization</i>	<i>21</i>
<i>Levelling.....</i>	<i>22</i>
<i>Adjustment of cutting height - Part I</i>	<i>23</i>
<i>Adjustment of cutting height - Part II</i>	<i>24</i>
<i>Working position - Part I.....</i>	<i>24</i>
<i>Working position - Part II.....</i>	<i>25</i>
<i>Working position - Part III.....</i>	<i>26</i>
<i>Friction - Part I</i>	<i>27</i>
<i>Friction - Part II</i>	<i>28</i>
OPERATIONS.....	29
<i>Cardan recommendations</i>	<i>29</i>
<i>Blade position and rotation direction.....</i>	<i>30</i>
<i>Recommendations for operation.....</i>	<i>31</i>
MAINTENANCE	32
<i>Front, rear and side shields</i>	<i>32</i>
<i>Blade exchange - Speed multiplier box.....</i>	<i>33</i>
<i>Blade exchange - Speed transmitter box</i>	<i>34</i>
<i>Lubrication.....</i>	<i>35</i>
<i>Lubrication every 8 hours of work</i>	<i>36</i>
<i>Oil change.....</i>	<i>37</i>
<i>Storage</i>	<i>38</i>
<i>Post storage.....</i>	<i>38</i>

▪ **Index**

<i>Operational maintenance</i>	<i>39 - 40</i>
<i>Cares</i>	<i>41</i>
<i>General cleaning</i>	<i>42</i>
<i>Rotary cutter conservation</i>	<i>42 - 43</i>
OPTIONAL	44
<i>Optional accessories</i>	<i>44</i>
IDENTIFICATION	45
<i>Identification plate</i>	<i>45</i>
<i>Product identification</i>	<i>46</i>
NOTES	47
CERTIFICATE	48
<i>Certificate of warranty</i>	<i>48 - 54</i>

▪ **Baldan Warranty**

BALDAN IMPLEMENTOS AGRÍCOLAS S/A guarantees the normal operation of the implement to the dealer for a period of 6 (six) months from the date of delivery on the resale invoice to the first end consumer.

During this period, **BALDAN** undertakes to remedy defects in materials and/or workmanship of its responsibility, being labor, freight and other expenses the dealer's responsibilities.

During the warranty period, the request and replacement of any defective parts must be made to the regional dealer, who will send the defective part for analysis at **BALDAN**.

When such procedure is not possible and the reseller has exhausted its resolution capacity, it will request support from **BALDAN's** Technical Assistance, through a specific form distributed to resellers.

After analyzing the replaced items by **BALDAN's** Technical Assistance, and concluding that it is not a warranty, then the costs related to the replacement will be the responsibility of the dealer;

as well as expenses for material, travel including accommodation and meals, accessories, used lubricant and other expenses arising from the call for Technical Assistance, and the company **BALDAN** is authorized to make the respective billing on behalf of the reseller.

Any repair made to the product that is within the warranty period by the dealer, will only be authorized by **BALDAN** upon prior presentation of a quote describing parts and labor to be performed.

This term excludes the product that undergoes repairs or modifications by officials who do not belong to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product.

This guarantee will become null when it is determined that the defect or damage is resulting from improper product use, failure to follow instructions or the inexperience of the operator.

It is agreed that this warranty does not cover tires, deposits of polyethylene, cardans, hydraulic components, etc., which are equipment guaranteed by their manufacturers.

Manufacturing and or material defects, object of this warranty term, will not constitute, under any circumstances, reason for purchase and sale contract termination, or compensation of any nature.

Baldan reserves the right to change and/or improve the technical characteristics of its products, without prior notice, and without obligation to do so with previously manufactured products.

▪ General Information

• To owner

BALDAN IMPLEMENTOS AGRÍCOLAS S/A, is not responsible for any damage caused by accident from use, transport or in improper or incorrect storage of your implement, whether by negligence and / or inexperience of anyone.

Only people who have full knowledge of the tractor and the implement must make the transport and the operation thereof

BALDAN is not responsible for any damage caused in unpredictable situations or others to implement's normal use.

Improper handling of this equipment can result in serious or fatal accidents. Before putting the equipment into operation, carefully read the instructions contained in this manual. Make sure that the person responsible for the operation is instructed in the correct and safe handling. Also make sure the operator has read and understood the product instruction manual.

ATTENTION

NR-31 - SAFETY AND HEALTH AT WORK IN AGRICULTURE, LIVESTOCK FORESTRY, LOGGING AND AQUACULTURE.

This Regulatory Standard is to establish the principles to be observed in the organization and in the workplace, consistent with planning and development of agricultural, livestock, forestry, logging and aquaculture activities with safety and health, environment of Work.

MR. OWNER OR EQUIPMENT OPERATOR.

Read and follow carefully the provisions of NR-31.

More information, visit the website and read in full the NR-31.
<http://portal.mte.gov.br/legislacao/normas-regulamentadoras-1.htm>

▪ Safety Standards

- To operator



THIS SYMBOL INDICATES AN IMPORTANT SAFETY WARNING. IN THIS MANUAL, WHENEVER YOU FIND IT, CAREFULLY READ THE FOLLOWING MESSAGE AND BE AWARE OF THE POSSIBILITY OF PERSONAL INJURY.



ATTENTION



Read the instruction manual carefully for recommended safety practices.



ATTENTION



Only start operating the tractor when you are properly accommodated and with the seat belt fastened.



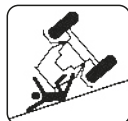
ATTENTION



Do not transport people on the tractor or inside or on the equipment.



ATTENTION



There is a risk of serious injury from tipping over when working on slopes. Do not use excessive speed.



ATTENTION



Do not work with the tractor if the front is without enough ballast for the rear equipment. If there is a tendency to lift, add weights or weights to the front or front wheels.



ATTENTION



Before doing any maintenance on your equipment, make sure it is properly stopped. Avoid getting run over.

▪ Safety Standards

ATTENTION

FOLLOW ALL RECOMMENDATIONS, WARNINGS AND SAFE PRACTICES RECOMMENDED IN THIS MANUAL, UNDERSTAND THE IMPORTANCE OF YOUR SAFETY. ACCIDENTS CAN LEAD TO DISABILITY OR EVEN DEATH. REMEMBER, ACCIDENTS CAN BE AVOIDED!

ATTENTION



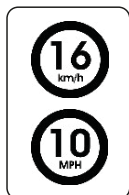
Before starting work on or transporting the RDD-E, check it for people or obstructions.

ATTENTION



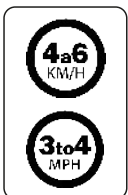
Always keep the access and work places clean of residues such as oil or grease, as they can cause accidents.

ATTENTION



When transporting the RDD-E, do not exceed a speed of 16 km/h or 10 MPH, avoiding the risk of damage and accidents.

ATTENTION



When working with the RDD-E, do not exceed a speed of 4 to 6 Km/h or 3 to 4 MPH, avoiding the risk of damage and accidents.

ATTENTION



Do not make adjustments with the RDD-E in operation. When doing any work on the RDD-E, turn off the tractor first. Use proper tools.

ATTENTION

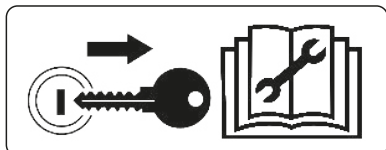


Improperly disposing of waste affects the environment and ecology, as it will be polluting rivers, canals

or the soil.

Find out about the correct way to recycle or dispose of waste.

PROTECT THE ENVIRONMENT!

▪ Safety Standards**! ATTENTION**

Remove the ignition key before performing any maintenance on the RDD-E.

- Protect yourself from possible injury or death caused by an unforeseen departure of the RDD-E.
- If the RDD-E is not properly engaged, do not start the tractor.

! ATTENTION

There are risks of injury or death to the mower operator and bystanders during operations for the following reasons:

- Body contact with rotating knives.
- Wrapping the body in transmission shafts and rotary shafts.

! ATTENTION

To prevent serious injury or death, when the cutter is in operation and the knives are rotating, proceed as follows:

- Stop and turn off the equipment if people are less than 50 meters away.



- Do not put hands or feet under the chassis. Contact with knives can cause serious injury or death.



- Never allow people on or under the cutter, especially children.

! ATTENTION

The cutters can drop fragments or throw objects at high speeds which can cause serious injury or death to those nearby.

▪ Safety Standards

• PPE Equipment

! ATTENTION | DO NOT WORK WITH THE RDD-E WITHOUT PUTTING THE PPE (SAFETY EQUIPMENT) ON BEFORE. IGNORING THIS WARNING COULD CAUSE HEALTH DAMAGE, SERIOUS INJURY OR DEATH.

When performing certain procedures with the **RDD-E**, put the following PPE (Safety Equipment) below:























! IMPORTANT

The safety practice must be carried out at all stages of work with the RDD-E, thus avoiding accidents such as impact from objects, falls, noise, cuts and ergonomics; that is, the person responsible for operating the RDD-E is subject to internal and external damage to his or her body.















🔍 OBSERVATION | All PPE (Security Equipment) must have a certificate of authenticity.



▪ Warnings

-  When operating with the RDD-E, do not allow people to stand too close or on top of it.
-  When carrying out any maintenance service, use the PPE equipment.
-  Do not make adjustments with the RDD-E in operation.
-  Do not travel on highways, especially at night. Use warning signs throughout the route.
-  If there is a need to travel with the RDD-E on the highways, consult the transit agencies beforehand.
-  Do not wear clothes that are too loose, as they may become entangled in the RDD-E.
-  When starting the tractor engine, be properly seated in the operator's seat and aware of complete knowledge of the correct and safe handling of both the tractor and the RDD-E. Always place the gearshift lever in the neutral position, disconnect the control gear from the power take-off and place the hydraulic controls in the neutral position.
-  Do not start the tractor engine indoors, without adequate ventilation, as the exhaust gases are harmful to health.
-  When maneuvering the tractor to RDD-E hitch, make sure you have the necessary space and that no one is too close, always maneuver at idle speed and be prepared to brake in an emergency.
-  When working on sloping terrain, proceed with care always trying to maintain the necessary stability. In case of an imbalance beginning, reduce the acceleration, turn the wheels to the side of the terrain slope and never raise the RDD-E.
-  Always drive the tractor at speeds compatible with safety, especially when working on rough terrain or on slopes, keep the tractor in gear at all times.
-  When driving the tractor on roads, keep the brake pedals interlocked and use safety signs.
-  Do not allow the RDD-E to be used by people who have not been trained, that is, who do not know how to operate it correctly.
-  Do not transport or work with the RDD-E near obstacles, rivers or streams.
-  Only operate the RDD-E if all protections are installed and correctly.
-  Do not, under any circumstances, remove the protective components of the RDD-E.
-  Do not operate the tractor with a light front. If the front tends to lift, add more weight to the front or front wheels.
-  When leaving the tractor, place the gearshift lever in neutral position and apply the parking brake. Never leave the RDD-E hitched to the tractor in the raised position of the hydraulic system.
-  The transport of people on self-propelled machines and implements is prohibited.
-  Alterations to the original RDD-E characteristics are not authorized as they may alter safety, function and affect service life.

▪ Warnings

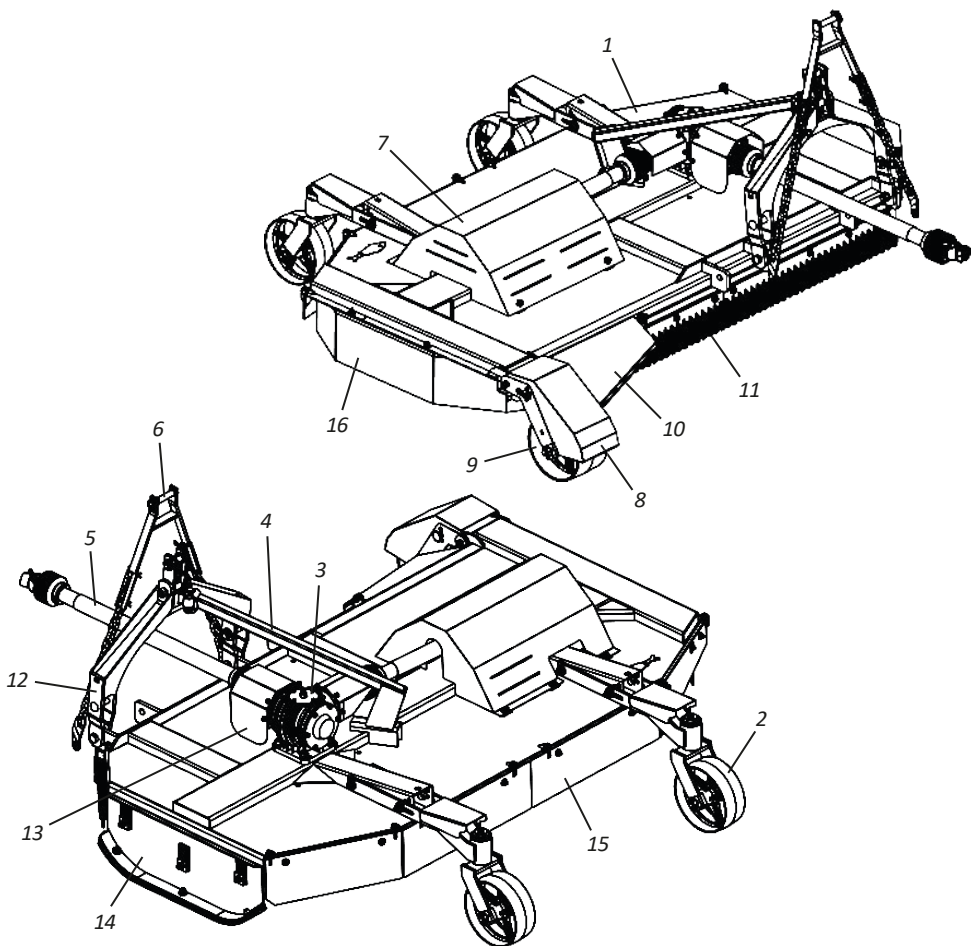
-  Carefully read all safety information contained in this manual and on the RDD-E.
-  All inspections must be done with the RDD-E stopped and turned off, using secure means of access.
-  Access, maintenance and especially inspection in risk areas of the RDD-E must only be done by a trained or qualified worker, observing all safety guidelines.
-  Periodically check all components of the RDD-E before using it.
-  Depending on the equipment used and the working conditions in the field or in maintenance areas, precautions are necessary. Baldan has no direct control over precautions, therefore it is the owner's responsibility to put in place safety procedures while working with the RDD-E.
-  Any and all maintenance on the RDD-E must be done with the same shutdown and with the tractor turned off.
-  Operate the RDD-E from the driver's seat only. Do not release controls until movements are complete.
-  Do not leave the seat before locking the controls to prevent any movement.
-  Regularly check for the presence of safety pins and screws. Do not substitute with other objects such as nails, wires, etc.
-  The maintenance of the RDD-E must only be done by specialized people. Before starting maintenance, disconnect all drive systems from the RDD-E.
-  The warranty is immediately void when the RDD-E assembly, adjustment, operation and maintenance instructions are not observed.
-  Unqualified persons and children are prohibited from operating the RDD-E.
-  Alcoholic beverages or some medications can cause loss of reflexes and alter the operator's physical condition. Therefore, never operate this RDD-E under the use of these substances.
-  Read or explain all the procedures in this manual to the user who cannot read.

If in doubt, contact the After Sales.
Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br

▪ Components

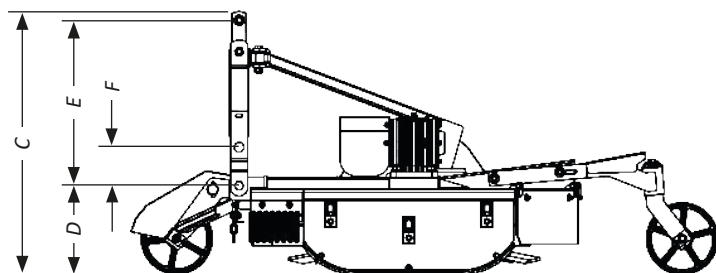
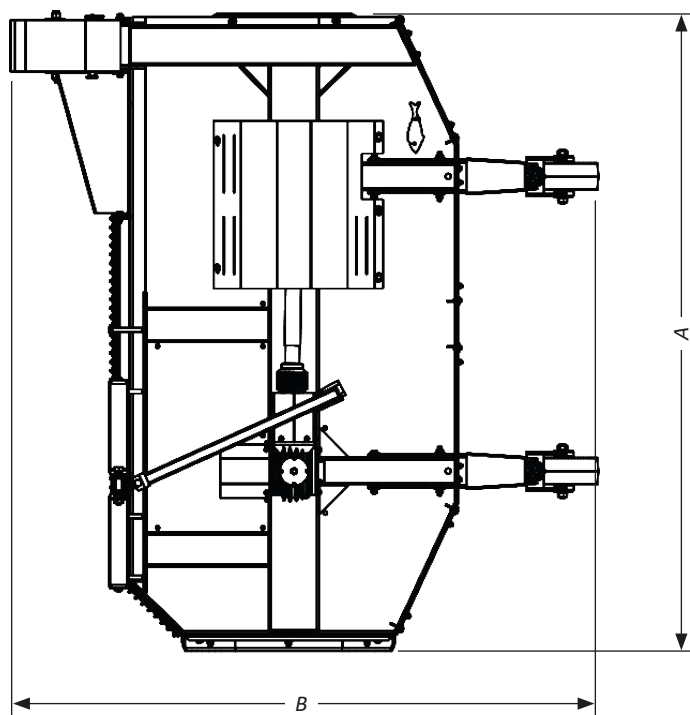
• RDD-E - Rotary Cutter Double Direct Special

- | | |
|------------------------------|-----------------------------|
| 1. Blade protection box | 9. Front depth wheel |
| 2. Back depth wheel | 10. Front protection plate |
| 3. Multiplier box | 11. Protective chains |
| 4. Stabilizer support | 12. Coupling head |
| 5. Cardan | 13. Drive shaft protection |
| 6. Height-limiting coupling | 14. Cutting regulation shoe |
| 7. Gearbox protection | 15. Rear guard |
| 8. Front depth wheel support | 16. Lateral protection |



▪ Dimensions

• RDD-E 2600



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
RDD-E 2600	2843	2580	1168	395	735	172

▪ Specifications

• RDD-E - Rotary Cutter Double Direct Special

Model	Nr of Blades	Cutting Width (mm)	Total Width (mm)	Approx. Weight (Kg)	Tractor Power (HP)
RDD-E 2600	4	2600	2900	800	65

Cutting height 50 - 200 mm

PTO RPM 540

Blades RPM 1038

Baldan reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured. Technical specifications are approximate and informed under normal work conditions.

INTENDED USE OF THE RDD-E

- The **RDD-E** was developed to leave scattered or directed material close to the flowering of plants.
- The **RDD-E** must be driven and operated only by a properly instructed operator.

NON-ALLOWED USE OF RDD-E

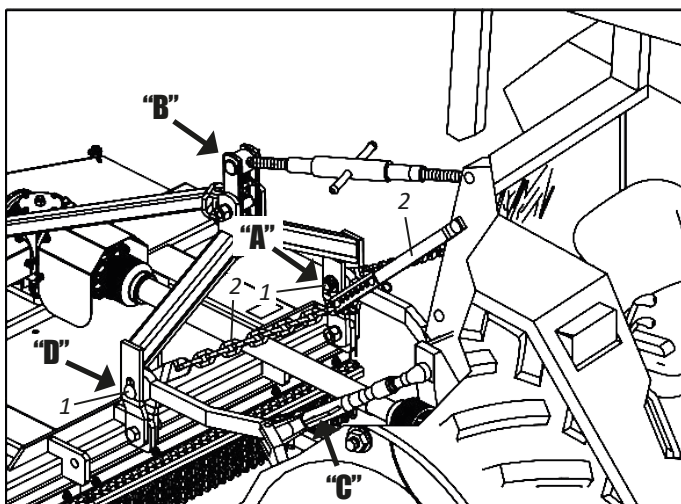
- To avoid damages, severe accidents or death, do NOT transport people on other part of **RDD-E**.
- It is NOT permitted to use the **RDD-E** to attach, towing or to push other implements or accessories.
- **RDD-E** was developed for agricultural use, NOT to be used in urban areas.
- **RDD-E** must NOT be used by an inexperienced operator who is not familiar with all driving, operating and command techniques.

▪ Hitch

Before engaging the **RDD-E**, make sure the tractor is equipped with a set of weights or weights on the front or front wheels to avoid lifting the tractor. Rear wheels will give greater stability and soil traction to the tractor.

• Tractor Hitch

- 01** - Slowly approach the **RDD-E** tractor in reverse gear, paying attention to the application of the brakes.
- 02** - Then use the hydraulic position control lever as you approach the **RDD-E**, leaving the lower left arm at the level of the mower hook.
- 03** - Engage the lower left arm of the tractor together with the limiter clutch plate (2) securing with the pin (1) on the "A" bracket of the **RDD-E**.
- 04** - Engage the 3rd point of the tractor on the bracket "B" of the **RDD-E**.
- 05** - Then, using the adjusting lever "C", engage the lower right arm of the tractor together with the limiting coupling plate (2) by attaching the coupling pin (1) to the "D" holder of the **RDD-E**.



ATTENTION

When lifting the tractor hydraulics, check the hydraulic height limit so that the tractor does not touch the top of the blade guard. Hydraulic lift varies according to the tractor model.

NOTE

When engaging the **RDD-E**, look for a safe and easily accessible place, always use low gear with low acceleration

▪ Hitch

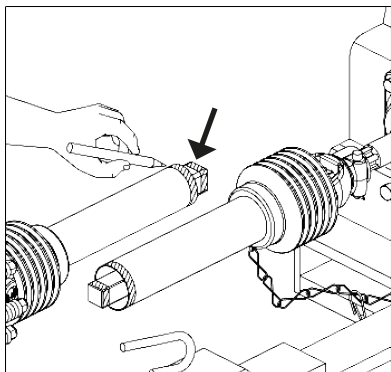
Before coupling the cardan, check its length in relation to the tractor model that will pull the cutter.

• Adjusting the length of the cardan - Part I

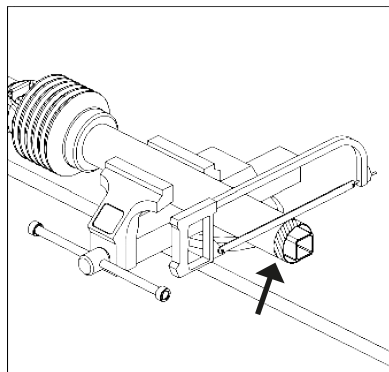
! IMPORTANT

Before making the cut on the cardan, check the adjustment of the tractor's drawbar, which can increase or decrease its length, avoiding cutting the cardan.

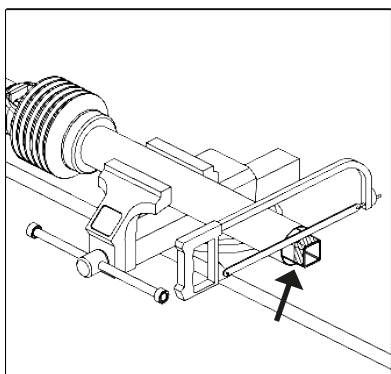
To cut the cardan, proceed as follows:



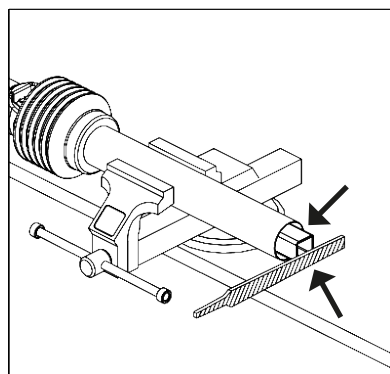
Hold the cardan shaft halves close together in the working position and mark the part to be cut.



Decrease the internal and external protective tubes of the cardan proportionally.



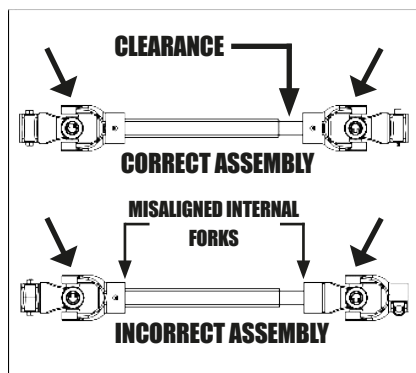
Cut the inner bars of the gimbal to the same length as the protective tubes.



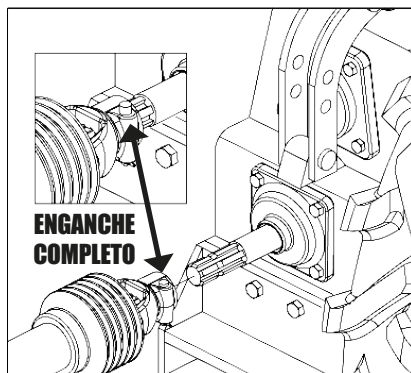
Remove all burrs and edges. Clean and grease the gimbal slide bars.

▪ Hitch

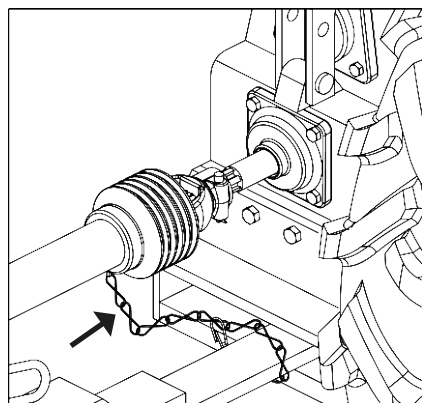
• Adjusting the length of the cardan - Part II



When mounting, note that the internal and external terminals are always in the same plane, aligned. Also check the clearance in the telescopic shaft, which should be 5 to 7 cm.



Couple the flange on the tractor TDP shaft noting that the hitch will only be completed when the lock (1) pops out.



Do not engage the extended cardan chains. Keep the installation slack and consider angular movements.

ATTENTION

The wrong mounting of the cardan causes excessive vibration, harmful to the transmission.
When coupling the cardan to the TDP, the tractor must have the engine off and the parking brake applied.

IMPORTANT

Every time you change tractor, check the length of the cardan shaft again.

NOTE

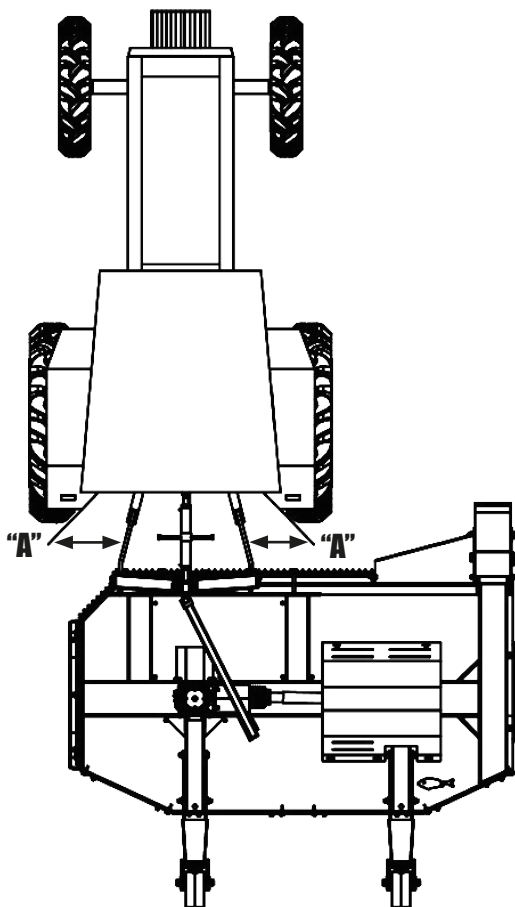
Check page 29 for the gimbal articulation angle and other recommendations for its use.

▪ Adjustment

• Centralization

To center the **RDD-E** in relation to the longitudinal axis of the tractor, proceed as follows:

- 01** - Align top **RDD-E** coupling with 3rd tractor point.
- 02** - Then fully raise the **RDD-E**.
- 03** - Next, check that the distances "**A**" of the lower hydraulic arms are equal to the tractor tires.
The lower arms should be level with each other.



ATTENTION

Never adjust the tractor linkage lower arms with the RDD-E lowered.

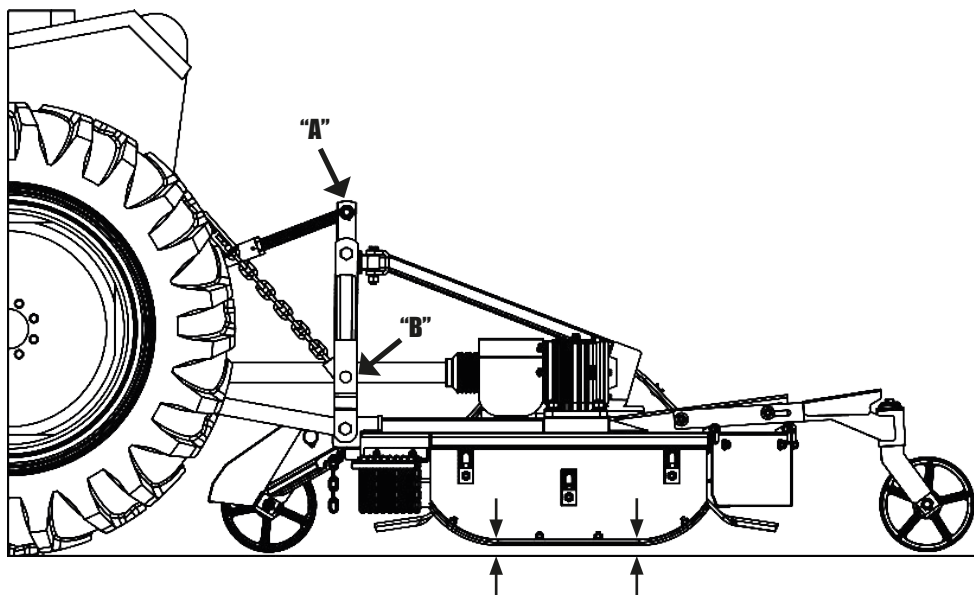
▪ Adjustments

• Levelling

To level the **RDD-E** in relation to the longitudinal axis of the tractor, proceed as follows:

01 - First, the tractor must be on a level place.

02 - Then, through the upper arm "**A**" and lower right arm "**B**", which have adjustments, level the **RDD-E**.



ATTENTION

Check the gap of the cardan which must be from 5 to 7cm. If there is no gap, adjust the cardan length as instructed on pages 19 and 20.

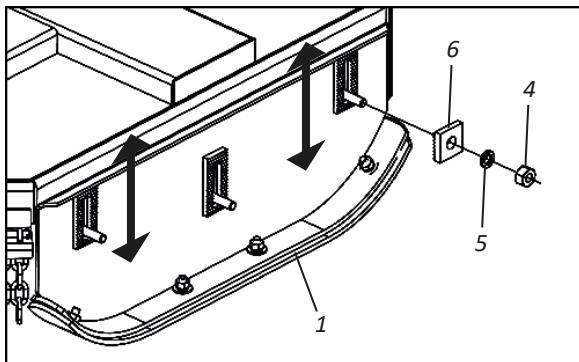
▪ Adjustments

• Adjustment of cutting height - Part I

The cutting height of the **RDD-E** is regulated through the side shoes (1) and the rear wheel (2). To adjust the cutting height, proceed as follows:

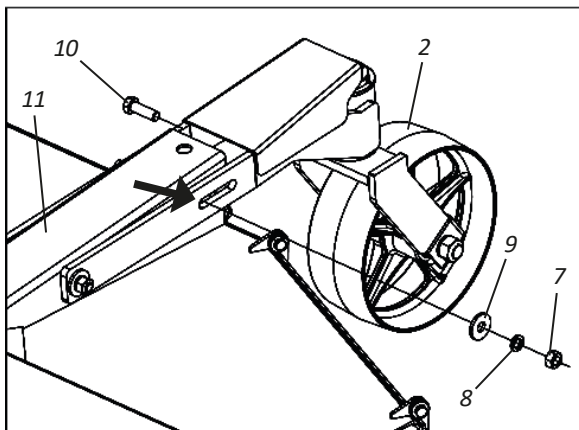
SIDE SHOES

- 01** - Loosen the nuts (4), lock washers (5), and grooved plates (6).
- 02** - Then adjust the side shoes (1) by positioning them at the desired height.
- 03** - Then, retighten the grooved plates (6) through lock washers (5), and nuts (4).



REAR WHEEL

- 04** - After regulating the side shoes (1), loosen the nuts (7), pressure washers (8), flat washer (9), and remove screws (10).
- 05** - Then adjust the rear wheel (2) by positioning it at the desired height through the bracket bore hole (11).
- 06** - Then replace the bolts (10), plain washers (9), locking washers (8) and nuts (7) by tightening them.



ATTENTION

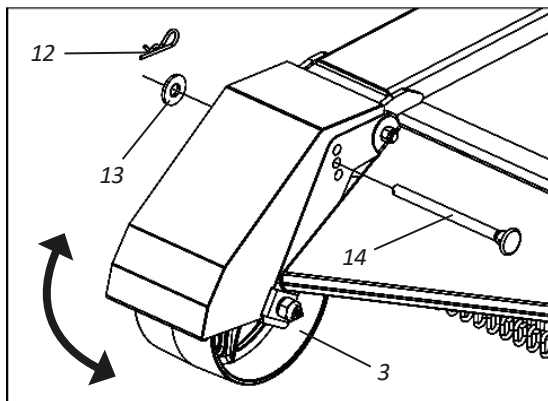
We recommend that the cutting height is at least 50 mm above the ground.

▪ Adjustments

• Adjustment of cutting height - Part II

FRONT WHEEL

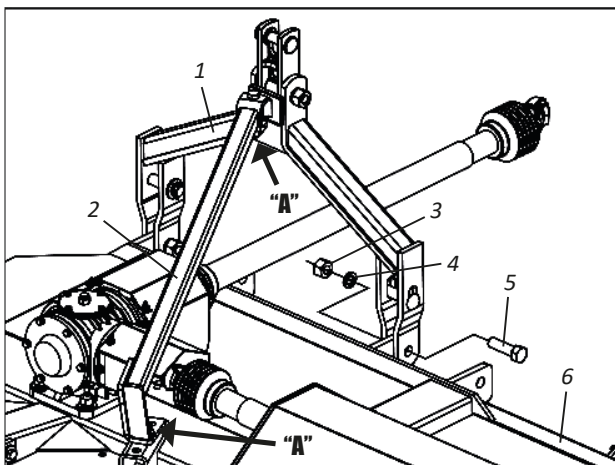
- 07-** Then, loosen lock (12), flat washer (13) and remove the pin (14) from the front wheel (3), position it at the same desired height through holes in the bracket.
- 08-** Finish by replacing the pin (14), flat washer (13), and lock (12).



• Working position - Part I

The **RDD-E** can work in the side or super side position in relation to the tractor. To adjust head position (1), proceed as follows:

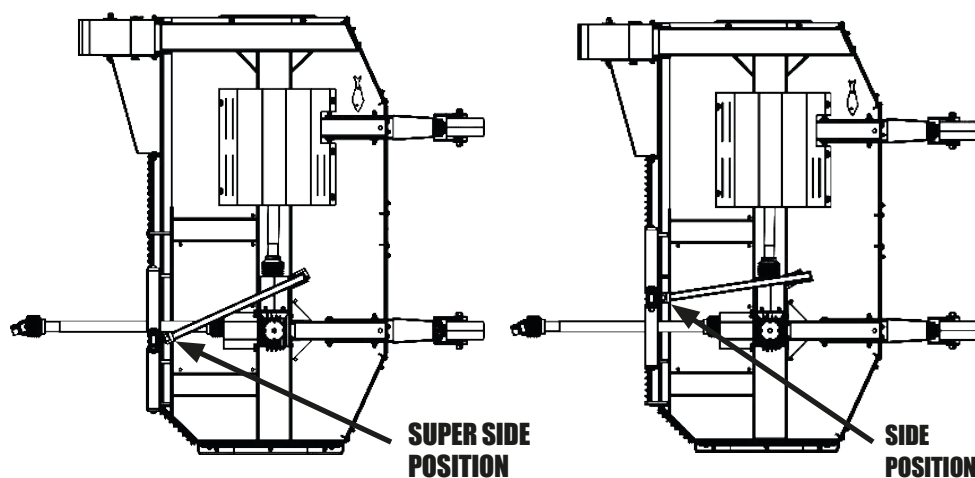
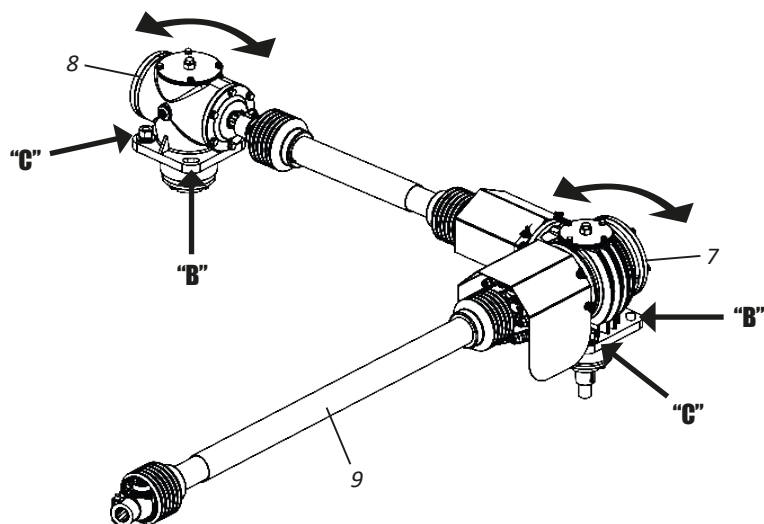
- 01 -** Loosen the "A" nuts securing the head holder (2) and removing them is no necessary.
- 02 -** Then remove nuts (3), locking washers (4), screws (5) and move head (1) to the other holder of the blade box (6).
- 03 -** Then replace bolts (5), locking washers (4) and nuts (3) by reattaching the head (1).
- 04 -** Finally tighten the "A" nuts securing the head bracket (2).



▪ Adjustments

• Working position - Part II

The gear box (7) and transmission (8) have oblong holes "B". When positioning the head holder (2) in the super side position, if necessary, loosen the screws "C" and turn the gearbox (7) and transmission box (8) to better position the drive shaft (9).



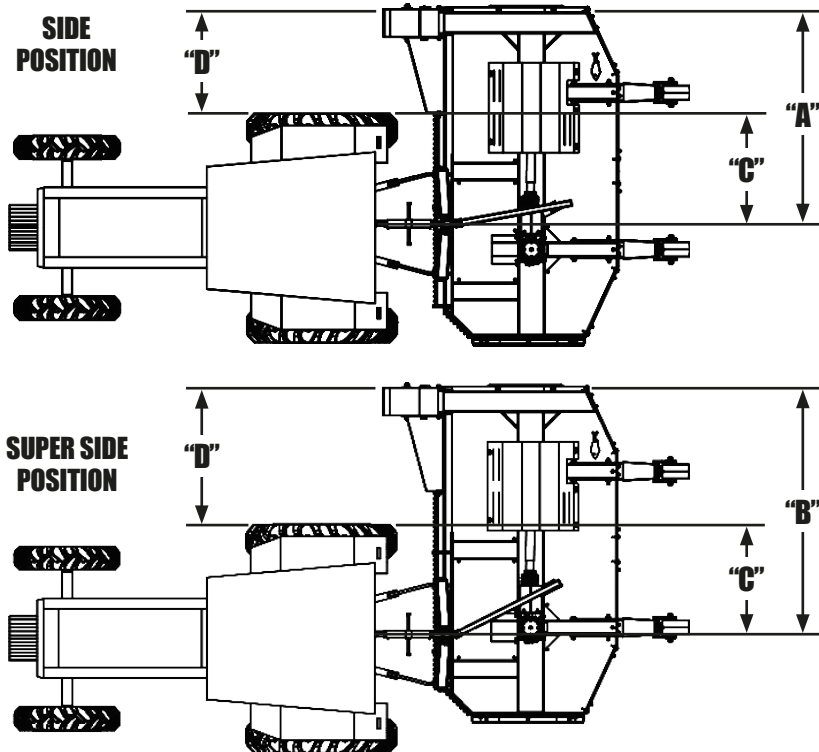
▪ Adjustments

• Working position - Part III

For measurements exceeding the right side of the tractor using the **RDD-E** in the side or super side positions, use the formula below.

Formula: $A - C = X$
 $B - C = X$

Data: **A** = Dimension of the **RDD-E** head center in the lateral position until the end of the cut.
B = Dimension of the **RDD-E** head center in the super lateral position until the end of the cut.
C = Dimension of the tractor's rear wheel divided by 2.
X = Cut size that exceeds the tractor.



ATTENTION

Measurements "C and D" vary from tractor to tractor due to different gauge sizes.

Model	Side Position "A"	Super Side Position "B"	Displacement between "A" and "B"
RDD-E 2600	2100	2370	270

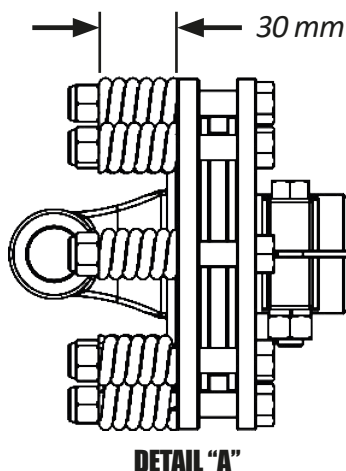
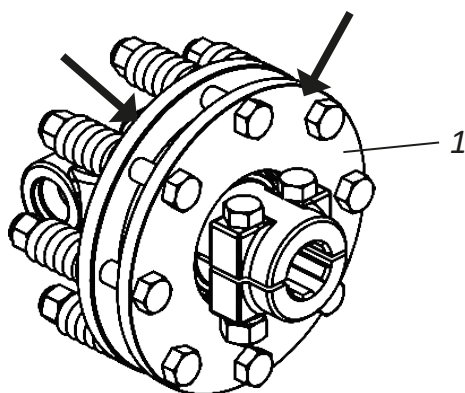
▪ Adjustments

• Friction - Part I

The friction is set at the factory, without any adjustment before starting the **RDD-E**. Upon encountering overloads, friction starts and the work should be stopped immediately by lifting the **RDD-E**.

- The recurrence of friction, after some time of use and without overloading, indicates the need to adjust friction due to wear on the discs (1).

- It is important to maintain a 30 mm adjustment in the springs as shown in **detail "A"** to compensate for wear on the discs (1) and to maintain proper friction operation.



- When the mechanic (or trained person) performs the clutch adjustment in the field, it must be careful not to tighten the springs excessively, because **BLOCKED CLUTCH** will occur, which interrupts clutch function, providing risk of cracks in pinions, crowns, shafts, crosses and even in the TDP of the tractor.

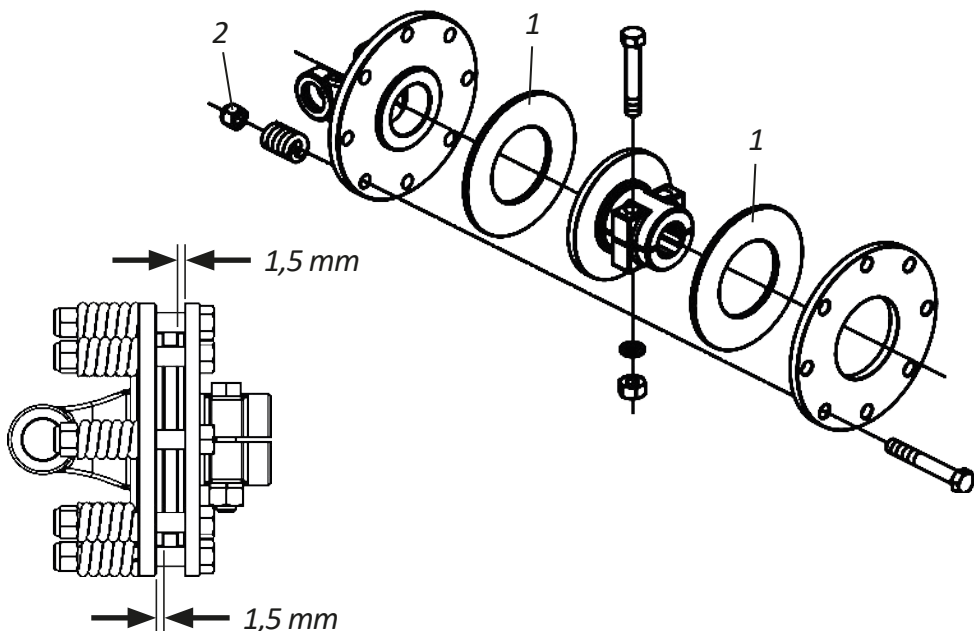
- How to adjust in the field.

- 01** - Make a visual evaluation of the components of the clutch (discs, springs, etc.).
- 02** - Then tighten the springs equally, one by one, approximately 1/3 of a turn.
- 03** - Repeat this procedure every time the clutch starts activating continuously.

▪ Adjustments

• Friction - Part II

Setting the spring height to keep the factory-set clutch may not be the best way to do the evaluation, since the sets have particular variables that can distort results.



⚠ ATTENTION

If the RDD-E goes idle in an uncovered place, you must unscrew the clutch and clean it before returning to work. Friction discs may lock and not work when in direct contact with the other components of the clutch. Check the post-storage instructions on p.37.

❗ IMPORTANT

Discs (1) must be replaced as soon as they become 1.5mm thick or before larger damage. To do so, loose the nuts (2) and disassemble the friction.

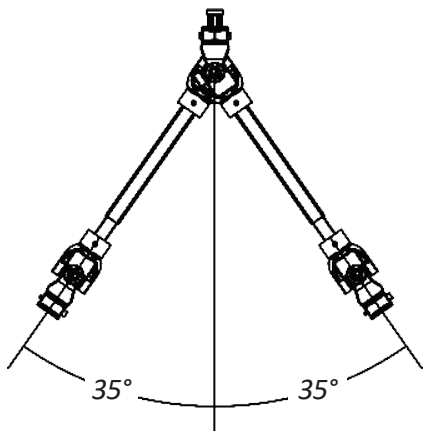
🔍 NOTE

If a large volume of vegetation is encountered or if there is excessive cutting resistance, decrease the working speed or try to cut on a narrower range.

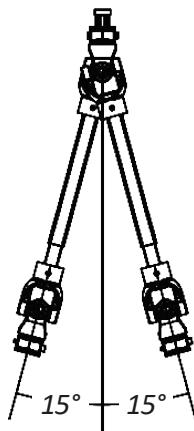
■ Operations

• Cardan recommendations

The cardan is limited in its maximum angle of articulation. This angle, with a running cardan, can reach a maximum of 35° for a short period of time. In continuous work, it should not exceed 15° .



SHORT TIME PERIOD



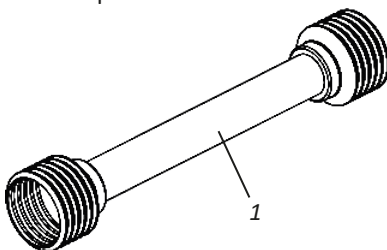
IN CONTINUOUS WORK



ATTENTION

Never engage to TDP when the joint is at an angle greater than 15° . When maneuvering with TDP off, never exceed 35° of pivot angle, this can occur in transport routes or maneuvers in sheds with the cardan coupled.

Safety protection (1) is a fundamentally important component for the user's personal safety and for the cardan shaft's lifespan.



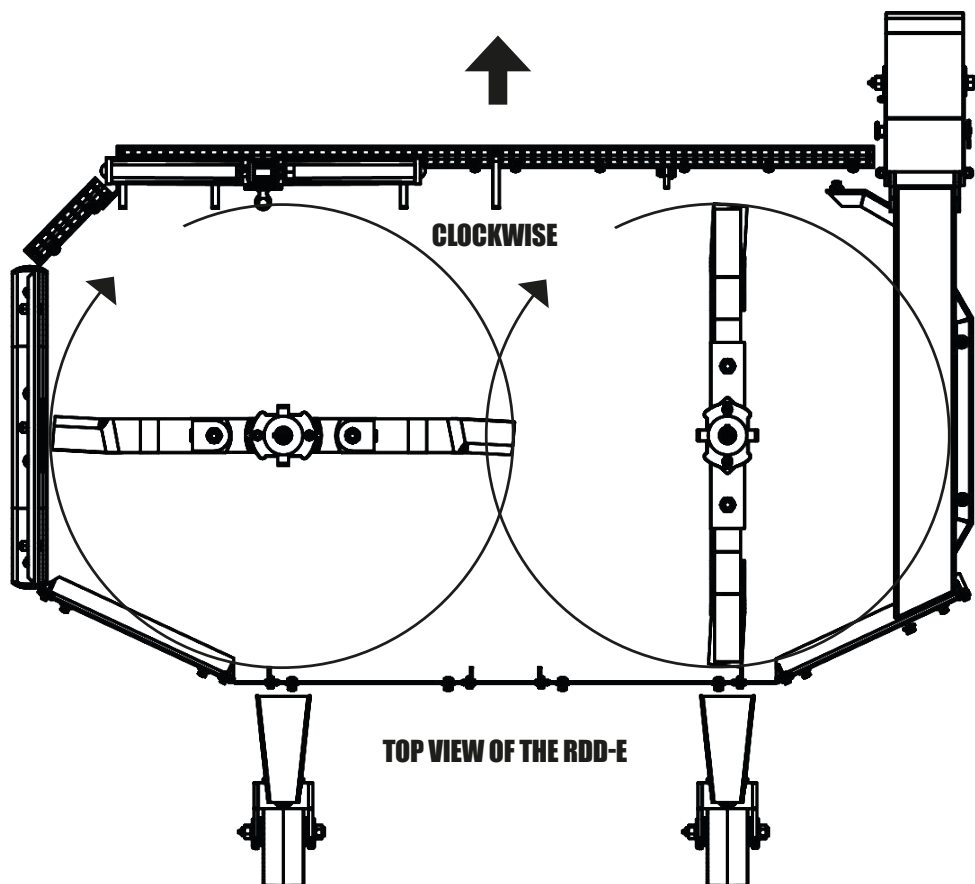
IMPORTANT

Do not work with the RDD-E if the drive shaft is not protected (1). Ignoring this warning may cause severe accidents or cardan damages.

■ Operations

• Blade position and rotation direction

The **RDD-E** blades rotate in the clockwise position and to avoid shocks between them, before assembling the intermediate cardan, observe the position of the blade supports, which should be positioned perpendicular to each other, as shown in the figure below.



ATTENTION

Keep away from the rotating elements especially of the knives until the movement of the knives is interrupted. Ignoring this warning may cause severe accidents or death.

▪ Operations

• Recommendations for operation

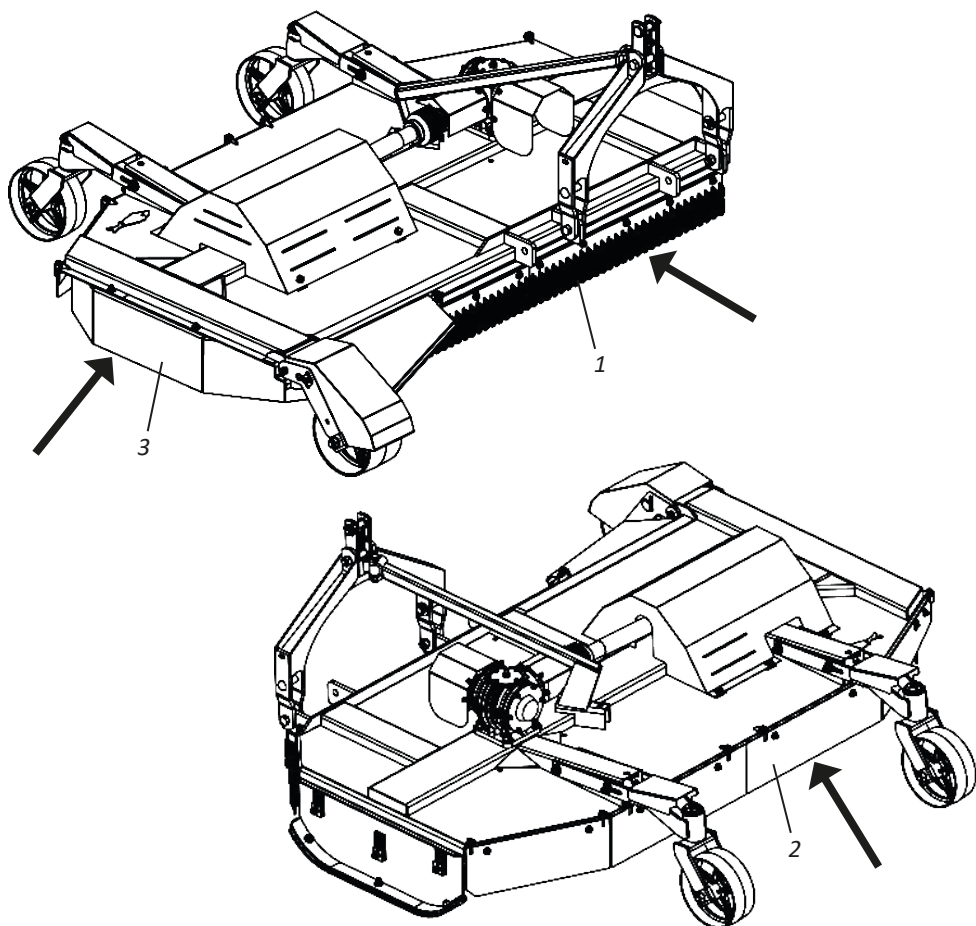
- 01** - Before starting work, make a complete review of the **RDD-E**. Complete the multiplier oil level and retighten the nuts and bolts. Also check the interlocking of the pins and cotter pins.
- 02** - The working speed is **540 rpm on the TDP**. Check the corresponding engine speed in the tractor manual. This engine speed varies from tractor to tractor.
- 03** - For best performance, we recommend a **minimum cutting height 50 mm** above the ground.
- 04** - To ensure a good working result, the site to be cut must be free of stones and stumps.
- 05** - First, put the knives into operation and then start cutting the vegetation.
- 06** - Do not turn on the TDP with the knives locked in a mound of earth, sticks or stumps, objects can be thrown and cause serious injuries.
- 07** - During work, keep the engine speed constant, avoiding the variation in the average speed of the tractor, so that there is no inefficiency or failure in cutting vegetation.
- 08** - To couple or uncouple the cardan, the TDP must be turned off.
- 09** - During work, do not vary the speed of the tractor, this leads to inefficient cutting "faults". Maintain medium speed and maintain it throughout your work. The recommended average working speed is **4 to 6 km/h**.
- 10** - In excessively wavy soils, the cutting height adjustment must prevent the knives from touching the ground excessively.
- 11** - The tractor's lower link stabilizers must be adjusted with the **RDD-E** fully raised.
- 12** - In dense vegetation, we recommend using a reduced gear, keeping the **TDP rotation at a constant 540 rpm**.
- 13** - When encountering overloads, the friction starts operating, and the work must be stopped immediately and the **RDD-E** lifted.
- 14** - It is important to maintain the **30mm adjustment on the springs** to compensate for the adjustment of the discs and maintain good friction operation.
- 15** - When transporting or carrying out checks/maintenance, keep the power take-off off.
- 16** - Stop and turn off the equipment if people are less than **50 meters** away.

In case of doubt, never operate or handle the RDD-E, consult After Sales.
Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br

▪ Maintenance

• Front, rear and side shields

Always before using the **RDD-E**, check the conditions of the front (1), rear (2) and side (3). If the front (1), rear (2) and side (3) guards are broken or lost, they must be replaced or replaced immediately to avoid serious accidents or death during work.



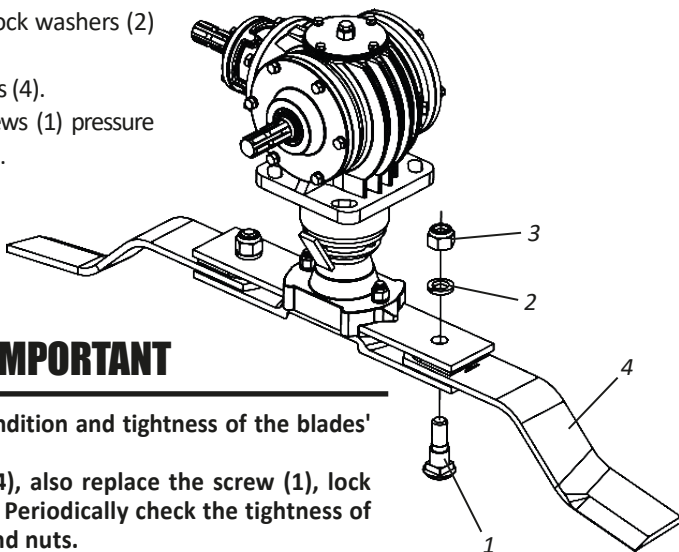
Do not work with the RDD-E without the front (1), rear (2) and side (3) guards. Ignoring these warnings may cause severe accidents or death.

▪ Maintenance

• Blade exchange - Speed multiplier box.

The **RDD-E** blades are not reversible. Before using the **RDD-E**, always make a thorough inspection on the blade, especially if the blades are in good condition and are properly installed. Replace the blades immediately if they are broken, bent, over-worn or damaged in any way. In addition, replace the blades when you notice imperfections in the cut. To change the blades, proceed as follows:

- 01** - Loosen the bolts (1), lock washers (2) and nuts (3).
- 02** - Then replace the blades (4).
- 03** - Then retighten the screws (1) pressure washers (2), and nuts (3).



❗ IMPORTANT

Periodically check the condition and tightness of the blades' set screws and nuts.

When changing blades (4), also replace the screw (1), lock washers (2) and nuts (3). Periodically check the tightness of the blades' fixing bolts and nuts.

When changing blades, always change the pair avoiding damage to RDD-E because of an imbalance. Always use original Baldan blades.

⚠ ATTENTION

When replacing the blades (4), note that they are supplied in pairs, which must be maintained until the RDD-E bearing is installed. Unbalanced blades can cause excessive vibration and damage bearings, retainers and the transmission case. The weight variation between these blades (4) is within the tolerance limit.

🔍 NOTE

Always keep blades (4) sharpened to increase yield and require less tractor effort.

In the event of loss or breakage of any of the rotating elements, especially blades (4), the blades must be replaced immediately to avoid vibrations and consequently damage to RDD-E, failure to work, severe accident or death.

■ Maintenance

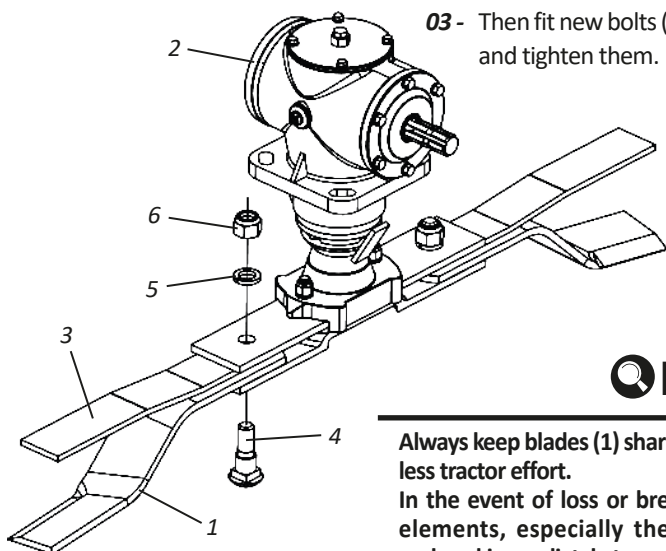
• Blade exchange - Speed transmitter box.

The **RDD-E** blades are not reversible. When replacing the blades (1) in the transmission box (2), also replace blunt blades (3), bolts (4), lock washers (5) and nuts (6). To change them, proceed as follows:

01 - Loosen screws (4), pressure washers (5), and nuts (6).

02 - Then replace blades (1) and blunt blades (3).

03 - Then fit new bolts (4) lock washers (5) and nuts (6) and tighten them.



NOTE

Always keep blades (1) sharp to increase yield and require less tractor effort.

In the event of loss or breakage of any of the rotating elements, especially the blades (4), they must be replaced immediately to avoid vibration and consequently damage to RDD-E, failure to work, serious injury or death.

! IMPORTANT

When changing blades, always change in pairs to avoid damage to RDD-E because of the imbalance. Always use original Baldan blades. When changing blades (4), also replace the screw (1), lock washers (2) and nuts (3). Periodically check the condition and tightness of the blades' set screws and nuts.

! ATTENTION

When replacing blades (1) and non-cutting blades (3), note that they are supplied in pairs, which must be maintained until the RDD-E bearing is installed. Unbalanced blades can cause excessive vibration and damage bearings, retainers, and the transmission. The weight variation between these blades (1) is within the tolerance limit.

▪ Maintenance

The **RDD-E** has been developed to provide you with maximum performance over terrain conditions. Experience has shown that periodic maintenance of certain parts of the **RDD-E** is the best way to help you avoid problems, so we suggest their verification.



ATTENTION

Constantly check the nuts and bolts, retighten if necessary. General maintenance of the equipment must be carried out every 8 working hours.

• Lubrication

Lubrication is essential for good performance and a longer service life of the **RDD-E**, contributing to the maintenance cost savings.

Before starting the operation, carefully lubricate all grease fittings, always observing the greasing intervals on the following page. Make sure about the lubricant quality, regarding its efficiency and purity, avoid using products contaminated by water, earth and other agents.

• Grease and equivalents table

Manufacturer	Types of grease recommended
Petrobrás	Lubrax GMA-2
Atlantic	Litholine MP 2
Ipiranga	Ipiflex 2
Castrol	LM 2
Mobil	Grease MP
Texaco	Marfak 2
Shell	Alvania EP 2
Esso	Multi H
Bardahl	Maxlub APG-2EP
Valvoline	Palladium MP-2
Petronas	Tutela Jota MP 2 EP
	Tutela Alfa 2K
	Tutela KP 2K

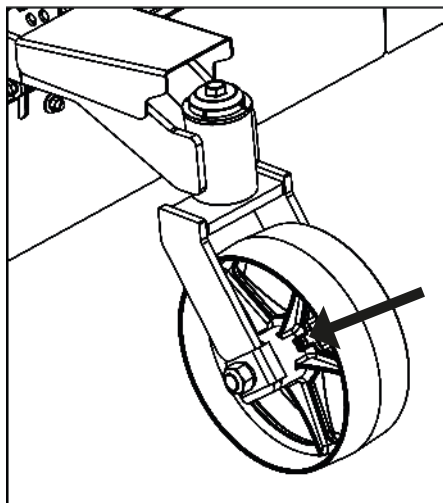
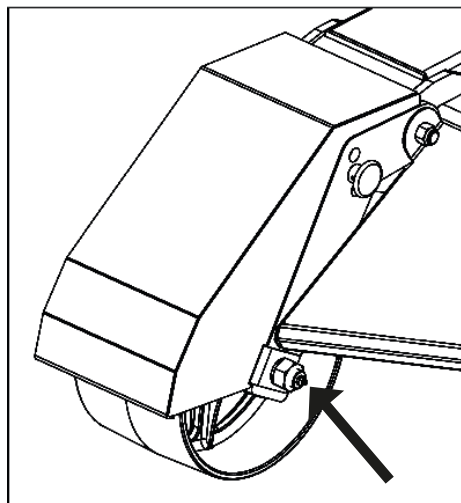


ATTENTION

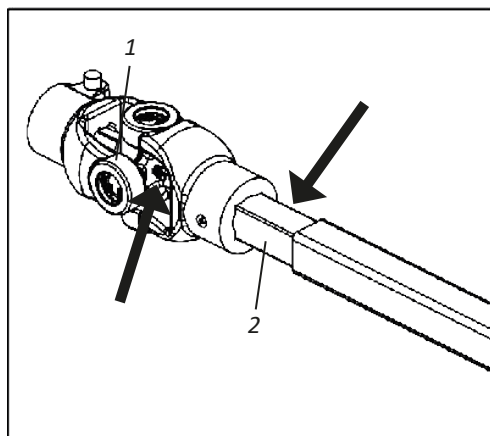
If there are manufacturers and/or equivalent brands that are not listed in the table, consult the manufacturer's technical manual.

▪ Maintenance

- Lubrication every 8 hours of work



Lubricate the crossbars (1) with grease every 8 hours. The telescopic axle (2) must be lubricated weekly.



ATTENTION

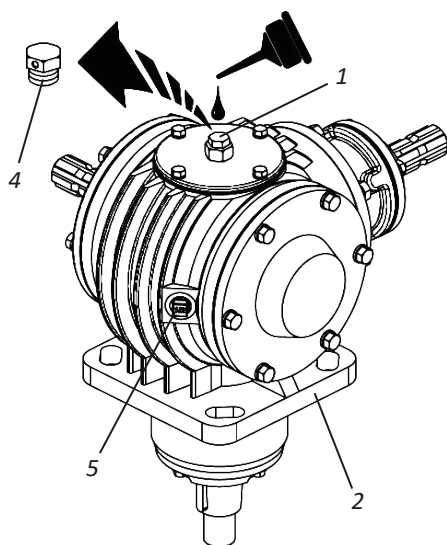
When lubricating the RDD-E, do not exceed the amount of new grease. Introduce an adequate amount.

▪ Maintenance

• Oil change

Before putting the **RDD-E** into operation, remove the plugs (1) from the gearbox (2) and transmission box (3) and replace it with the vents (4).

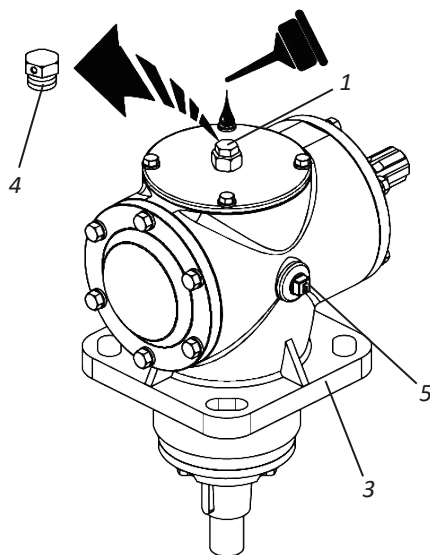
Periodically check the oil level of the speed multiplier gearbox (2) and the transmission gearbox (3) through the level plugs (5) and refuel as necessary.



⚠ ATTENTION

Change the oil of the speed multiplier gearbox (2) every 600 hours of work using 2.5 liters.

Only use the specified oil: 85W140 API GL-5 MIL-L-2105D;SAEJ306;Maio/81.



⚠ ATTENTION

Change the oil the transmission gearbox (3) every 600 hours of work using 1.75 liters.

Only use the specified oil: 85W140 API GL-5 MIL-L-2105D;SAEJ306;Maio/81.

⚠ IMPORTANT

To exhaust all the oil from the gearbox (2), remove the drain (4).

🔍 NOTE

When using a specific oil brand, avoid filling the oil level with different brand and specifications.

▪ Maintenance

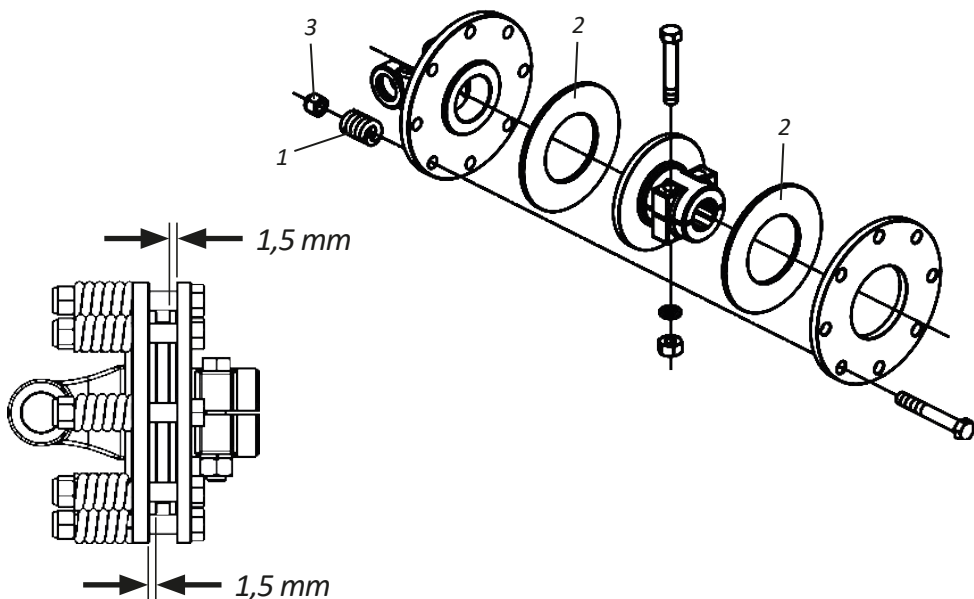
• Storage

Before storing the **RDD-E**, remove the drive shaft and friction and store them in a covered, dry place. Check all transmission components, if necessary, replace any worn or damaged parts. **Always demand Baldan original parts.**

• Post storage

Before returning to work with the **RDD-E**, lubricate all components and check the oil level. With friction, perform the following procedures.

- 01** - Before disassembling friction, note the average length of the springs (1).
- 02** - Then, remove friction, note the average length of the springs (1).
- 03** - Then, with friction removed, discs (2) must rotate freely on the metal parts.
- 04** - Discs (2) that are less than **1.5 mm** thick must be replaced.
- 05** - Then reassemble friction.
- 06** - Springs (1) should be adjusted so they have the same length as before disassembly.
- 07** - If, after preventive maintenance, friction is constantly activated in normal working conditions, tighten nuts (3) proportionally until this is no longer the case.



▪ Maintenance

• Operational maintenance

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
No cutting.	Blades worn or broken.	Replace blades (only in pairs only) as instructed on pages 32 and 33.
	TDP rotation is incorrect.	Correct rotation 540 Rpm.
	Excessive speed.	Reduce work speed.
	Blades do not spin when TDP is running.	Check the drive shaft connection.
	Multiplier box is not working properly.	Repair the multiplier box.
	Direction of rotation of the blades.	Make sure the correct side of the cut of the blades and the direction of rotation of the multiplier box.
Irregular cut.	Blades worn or broken.	Replace blades (only in pairs only) as instructed on pages 32 and 33.
	Excessive speed.	Reduce work speed.
	Excessive cutting height.	Lower cutting height.
	Vegetation of great density and of excessive height.	Use reduced speed.
Noisy Rotary Cutter	Loose components.	Check all the screws and tighten.
	Low oil of the multiplier box.	Check oil level as instructed on page 36.
Vibration.	Broken blades.	Replace blades (only in pairs only) as instructed on pages 32 and 33.
	Incorrect cardan length.	Check the length of the cardan.
	Cardan shaft crosshead assembly.	Check the correct mounting of the cardan brackets.

▪ Maintenance

• Operational maintenance

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Tip and blades wear too fast.	Blades are touching the ground.	Adjust and operate it at a height that will eliminate contact with the ground.
	The cutter is not operating at the correct TDP speed.	Keep the correct TDP speed.

▪ Maintenance

• Cares

- 01** - Before each job, check the condition of all pins, bolts, gearbox, and blades. When necessary, retighten or replace
- 02** - Every 8 hours of work, retighten the nuts and bolts.
- 03** - The speed of movement must be carefully controlled according to the terrain conditions.
- 04** - The **RDD-E** are used in several applications, requiring knowledge and attention during its handling.
- 05** - Only local conditions can determine the best working form of the **RDD-E**.
- 06** - When mounting or removing any part of the **RDD-E**, use appropriate methods and tools.
- 07** - Carefully observe the lubrication intervals at the various lubrication points of the **RDD-E**.
- 08** - Always check the parts for wear, especially the blades. If there is a need for replacement, **always request original Baldan parts.**



Proper and periodic maintenance is necessary to ensure the long life of the RDD-E.

▪ Maintenance

• General cleaning

- 01** - When storing the **RDD-E**, carry out general cleaning and wash it thoroughly with water only. Make sure the paint is not worn, if this happened, paint a full coat, use protective oil and fully lubricate the **RDD-E**.
- 02** - Fully lubricate the brushcutter. Check all moving parts of the **RDD-E**, if they present wear or loosening, make the necessary adjustment or replacement of the parts, leaving the brushcutter ready for the next job.
- 03** - In the period you do not use the **RDD-E**, wipe the residues that remain on it after its use with grass, dirt, residues, etc.
- 04** - Spray the **RDD-E** with preservative oil, never use burned oil.
- 05** - Replace all the stickers, especially warning ones that are damaged or missing. Make everyone aware of their importance and the dangers of accidents when instructions are not followed.
- 06** - Clean the cardan weekly or earlier if necessary.
- 07** - Remove the protective caps, separate “male” and “female”, wash and remove crusts, dry and lubricate the sliding parts with grease and reassemble.
- 08** - After all maintenance care, store your **RDD-E** on a flat surface, which is in a sheltered and dry place away from animals and children.
- 09** - We recommend washing the **RDD-E** with water only at the start of work.



ATTENTION

Do not use chemicals to wash the RDD-E, this way damage the paint on it.

• Rotary cutter conservation - Part I

To maintain the life and appearance of the **RDD-E** for longer, follow the instructions below:

- 01** - Wash and clean all **RDD-E** components during and at the end of the work season.
- 02** - Use neutral products to clean the **RDD-E**, following the safety and handling instructions provided by the manufacturer.
- 03** - Always carry out maintenance during the periods indicated in this manual.

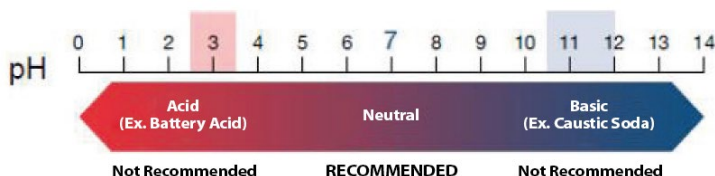
• Rotary cutter conservation - Part II

The practices and care below if adopted by the owner or operator make a difference for the conservation of **RDD-E**.

- 01** - Be careful when performing high-pressure washing;

▪ Maintenance

- 02 - Use only NEUTRAL detergent and water (pH equal to 7);
- 03 - Apply the product, following the manufacturer's instructions strictly, on the wet surface and in the correct sequence, respecting the time of application and washing;
- 04 - Stains and dirt not removed with the products should be removed with the aid of a sponge.
- 05 - Rinse the machine with clean water to remove any chemical residues.
- 06 - Do not use:
 - Detergents with a base active ingredient (pH greater than 7) can damage the painting of the rotary cutter.
 - Detergents with acid active ingredient (pH less than 7), act as stripper/remover of zinc coating (the protection of parts against oxidation).



- 07 - Allow the machine to dry in the shade so that it does not accumulate water in its components. Very fast drying can cause stains on your paint.
- 08 - After drying, lubricate all chains and greases according to the recommendations in the operator's manual.
- 09 - Spray all the machine, especially the zinc parts, with protective oil, following the manufacturer's application guidelines. The protective also prevents dirt from adhering to the machine, facilitating subsequent washings.
- 10 - Observe curing (absorption) time and application intervals as recommended by the manufacturer.

⚠ ATTENTION | Do not use any other type of oil to protect the grid (used hydraulic oil, "burnt" oil, diesel oil, castor oil, kerosene, etc.).

❗ IMPORTANT | We recommend the following protective oils:

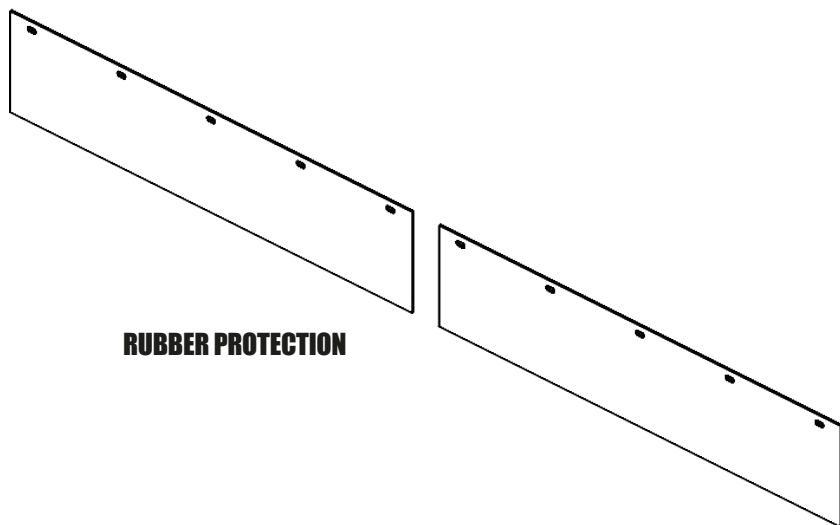
- Bardahl: Protective Agro 200 or 300
- ITWChemical: Zoxol DW - Series 4000

🔍 OBSERVATION | Ignoring the conservation measures mentioned above may result in the loss of the warranty for painted or zinc-coated components that present possible oxidation (rust).

▪ Optional

• Optional accessories

The **RDD-E** has optional accessories that can be acquired according to the need of work.



RUBBER PROTECTION

▪ Identification

• Identification plate

To see the parts catalog or to request technical assistance from Baldan, always inform model (1), serial number (2) and date of manufacture (3), which is on your **RDD-E** nameplate.

 BALDAN		
BALDAN IMPLEMENTOS AGRÍCOLAS S/A. AV. BALDAN, 1500 NOVA MATÃO CEP 15.993-900 MATÃO-SP BRASIL FONE: (16) 3221-6500 CNPJ: 52.311.347/0009-06 CREA/SP 0170977		
01 — Modelo / Model	Data / Date	
02 — Nº de Série / Serial Number	Tipo / Type	
Capacidade / Load Capacity	Peso / Weight	



ATTENTION

The drawings contained in this Instruction Manual are for illustrative purposes.



CONTACT

In case of doubt, never operate or handle your equipment without consulting the After Sales.
Telephone: 0800-152577
e-mail: posvenda@baldan.com.br



PUBLICATIONS

Code: 60550105813 | CPT: RDDE08321A



▪ Identification

• Product Identification

Make the correct identification of the data below, to always have information about the life of your equipment.

Owner: _____

Resale: _____

Farm: _____

City: _____

State: _____

Certificate No. of warranty: _____

Implement: _____

Serial No.: _____

Purchase date: _____

Invoice: _____

■ Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

BALDAN IMPLEMENTOS AGRÍCOLAS S/A ensures the dealer normal performance of the implement for a period of six (6) months as of the delivery date on the retail invoice to the first final consumer. During this period, **BALDAN** undertakes to repair defects in material and/or of manufacture of its liability, including labor, freight and other expenses of the dealer's liability.

In the warranty period, request and replacement of eventual defective parts shall be made to the dealer of the area, who will submit the faulty piece for **BALDAN** analysis. When this procedure is not possible and the resolving capacity of the dealer is exhausted, the dealer will request the support of **BALDAN Technical Assistance** through a specific form distributed to dealers. After analyzing the replaced items by Baldan Technical Assistance, and concluding that it is not a warranty, then the dealer will be responsible for the costs related to the replacement; as well as material expenses, travel including accommodation and meals, accessories, lubricant used and other expenses arising from the call out to Technical Assistance, and Baldan company is authorized to carry the respective invoice in the name of the resale. Any repair carried in the product within the dealer warranty deadline will only be authorized by **BALDAN** upon previous budget presentation describing parts and work to be performed.

The product is excluded from this term if it is repaired or modified by representatives not belonging to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product. This warranty is void where it is found that the defect or damage is caused by improper use of the product, failure to follow instructions or inexperience of the operator.

It is agreed that this warranty does not cover tires, polyethylene tanks, cardan, hydraulic components, etc., which are equipment guaranteed by their manufacturers. Manufacturing and/or material defects, object of this warranty term, will not constitute, under any circumstances, grounds for termination of a purchase agreement, or for indemnification of any nature.

BALDAN reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.

▪ Inspection and Delivery Certificate

SERVICE BEFORE DELIVERY: This implement was carefully prepared by the sales organization, inspected in all its parts according to the manufacturer's prescriptions.

DELIVERY SERVICE: The user has been informed of the current warranty terms and instructed on the use and maintenance precautions.

I confirm that I was informed about the terms of existing warranty and instructed on the use and proper maintenance of the implement.

Implement: _____ Serial number: _____

Date: _____ Invoice no.: _____

Resale: _____

Phone: _____ CEP: _____

City: _____ State: _____

Owner: _____

Phone: _____

Address: _____ Number: _____

City: _____ State: _____

E-mail: _____

Date of Sale: _____

Signature / Stamp of Resale _____

1st counterpart - Owner

▪ Inspection and Delivery Certificate

SERVICE BEFORE DELIVERY: This implement was carefully prepared by the sales organization, inspected in all its parts according to the manufacturer's prescriptions.

DELIVERY SERVICE: The user has been informed of the current warranty terms and instructed on the use and maintenance precautions.

I confirm that I was informed about the terms of existing warranty and instructed on the use and proper maintenance of the implement.

Implement: _____ Serial number: _____

Date: _____ Invoice no.: _____

Resale: _____

Phone: _____ CEP: _____

City: _____ State: _____

Owner: _____

Phone: _____

Address: _____ Number: _____

City: _____ State: _____

E-mail: _____

Date of Sale: _____

Signature / Stamp of Resale _____

2nd counterpart - Dealer

▪ Inspection and Delivery Certificate

SERVICE BEFORE DELIVERY: This implement was carefully prepared by the sales organization, inspected in all its parts according to the manufacturer's prescriptions.

DELIVERY SERVICE: The user has been informed of the current warranty terms and instructed on the use and maintenance precautions.

I confirm that I was informed about the terms of existing warranty and instructed on the use and proper maintenance of the implement.

Implement: _____ Serial number: _____

Date: _____ Invoice no.: _____

Resale: _____

Phone: _____ CEP: _____

City: _____ State: _____

Owner: _____

Phone: _____

Address: _____ Number: _____

City: _____ State: _____

E-mail: _____

Date of Sale: _____

Signature / Stamp of Resale _____

3rd counterpart - Manufacturer (Please send completed within 15 days)

1.74.05.0059-5

AC MATÃO
ECT/DR/SP

RESPONSE CARD

NOT REQUIRED SEAL

SEAL WILL BE PAID BY:



BALDAN IMPLEMENTOS AGRÍCOLAS S/A.

Av. Baldan, 1500 | Nova Matão | CEP: 15993-900 | Matão-SP | Brasil

Phone: (16) 3221-6500 | Fax: (16) 3382-6500

www.baldan.com.br | email: sac@baldan.com.br

Export: Phone: +55 (16) 3221-6500 | Fax: +55 (16) 3382-4212 | 3382-2480

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