

Operator Manual

TDNG 300 E - TDNG 300 E Seed



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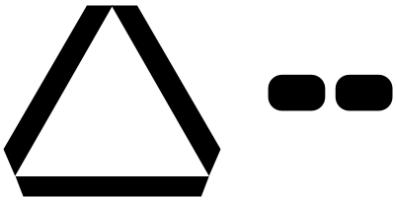
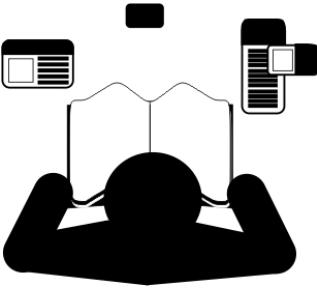
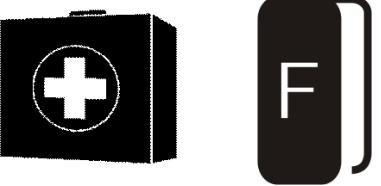
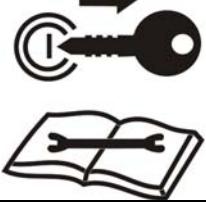
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1- IMPORTANT SAFETY INFORMATION

<p>Look for Safety Symbol</p> <p>The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of the personnel involved in the operation, transport, maintenance and storage of the equipment.</p> 	<p>Use Safety Lights and Devices</p> <p>Slow-moving tractors, self-propelled equipment and towed implements can create a hazard when driven on Public roads. They are difficult to see, especially at night.</p> <p>Use flashing warning lights and turn signals whenever driving on public roads.</p> <p>Use lights and devices provided with the implement</p> 	<p>Keep Riders Off Machinery</p> <p>Riders obstruct the operator's view. Riders could be struck by foreign objects or thrown from the machine. Never allow riders on the implement. Never allow children to operate the equipment.</p> 
<p>For Your Protection</p> <p>Thoroughly read and understand the Safety Decals.</p> 	<p>Prepare for Emergencies</p> <p>Be prepared if a fire starts. Keep a first-aid kit and fire extinguisher handy. Keep emergency numbers for Doctor, ambulance, hospital and fire department near the phone.</p> 	<p>Handle Chemicals Properly</p> <p>Agriculture chemicals can be dangerous. Improper use can seriously injure persons, animals, plants, soil, and property. Wear protective clothing. Handle chemicals with care. Follow instructions on container label. Avoid inhaling smoke from any type of chemical fire. Store or dispose of unused chemicals as specified by chemical manufacturer.</p> 
	<p>Shutdown and storage</p> <p>Lower machine to ground, put tractor in park, turn off engine, and remove the key. Detach and store implement in an area where children normally do not play.</p>	

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Tyre Safety

Tyre changing can be dangerous and should be performed by trained personnel using correct tools and equipment.

When inflating tyres, use a clip-on chuck and extension hose long enough to allow you to stand to one side NOT in front of or over the tyre assembly.

Use a safety cage if available.

When removing and installing wheels, use wheel-handling equipment adequate for the weight involved.



Transport Machinery Safely

Maximum transport speed for implement is 32 Kph (20 mph). Some rough terrains require a slower speed. Sudden braking can cause a towed load to swerve and upset.

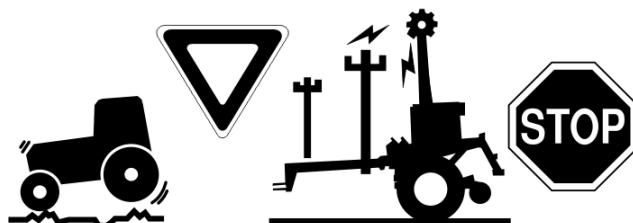
Do not exceed 32 Kph (20 mph).

Never travel at a speed that does not allow adequate control of steering and stopping.

Comply with state and local laws.

Reduce speed if towed load is not equipped with brakes.

Do not tow an implement that, when fully loaded, weights more than 1.5 times the weight for towing vehicle.



Avoid High Pressure Fluids Hazard

Escaping fluid under pressure can penetrate skin, causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic lines.

Use a piece of paper or car-board, not body parts, to check for suspected leaks.

Wear protective gloves and safety glasses or goggles when working with hydraulic systems.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.



Practice Safe Maintenance

Understand the procedure before doing the work. Use proper tools and equipments. Refer to this manual for additional information.

Work in a clean dry area.

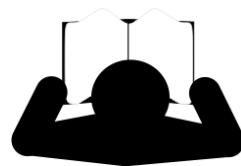
Lower implement to ground, put the tractor in the park, turn off the engine, and remove the key before performing maintenance.

Allow the implement to cool completely.

Inspect all parts. Make sure parts are in good condition and installed properly.

Remove buildup of grease, oil or debris.

Remove all tools and unused parts from the implement before operation.



Safety at All Times

Thoroughly read and understand this Manual before operation.

Be familiar with all the equipment functions.

Operate the implement from the driver's seat only.

Do not leave the tractor or implement unattended with the engine running.

Do not disembark a moving tractor.

Disembark a moving tractor could cause serious injury or death.

Do not stand between the tractor and the implement during hitching.

Keep hands, feet and clothing away from power-driven parts.

Wear snug-fitting clothing to avoid entanglement with moving parts.

Watch out for wires, trees, etc., when raising the implement.

Make sure all persons are clear of working area.

Do not turn the tractor too tight, causing implement to ride up on wheels. This could result in injure or equipment damage.

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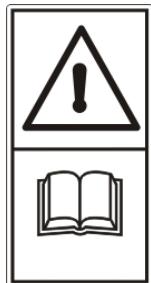
1.1- SAFETY DECALS

Your implement comes equipped with all safety decals in place. They are designed to help you safely operate your implement.

- 1- Read and follow the decal directions.
- 2- Keep all safety decals clean and legible.
- 3- Replace all damage or missing decals. Order new decals from Semeato dealer.
- 4- When operating new parts or components, also request corresponding safety decals.
- 5- To install new decals:
 - a) Clean the area on which the decal is placed.
 - b) Peel backing from decal. Press firmly on surface, being careful not to cause air bubbles under the decal.



- ✓ Wear protective equipment;
- ✓ Wear protective clothing and equipment;
- ✓ Wear clothing and equipment appropriate for the job. Avoid loose-fitting clothing;
- ✓ Prolonged exposure to loud noise can cause hearing impairment. Wear hear protection such as earmuffs or ear plugs.
- ✓ Operating equipment safely requires your full attention, avoid wearing radio headphones while operating the machinery.



- ✓ Read and understand this manual before operation;
- ✓ Be familiar with all the implement functions;
- ✓ Operate the implement from the driver's seat only,
- ✓ Do not leave the tractor or implement unattended.



- ✓ In order to avoid serious injuries stay away from the P.T.O. area. Do not get closer the rotation parts.

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- ✓ Never touch or enter in the seed / fertilizer box while the engine is running.



- ✓ Stay away from articulation areas.



- ✓ Do not climb the loading platform while the engine is running.



- ✓ Do not open or remove the safety devices while the engine is running.



- ✓ Never allow riders over the ladders or platform.

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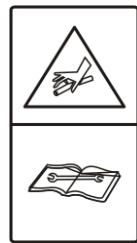
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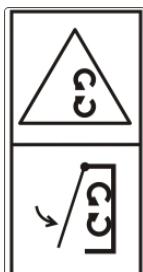
- ✓ Protect the hydraulic cylinder with a safety lock before entering in dangerous areas.



- ✓ Secure the implement with blocks and supports before detaching and parking the machine.



- ✓ Escaping fluid under pressure can penetrate skin, causing serious injuries.
- ✓ Avoid the hazard by relieving pressure before disconnecting hydraulic hoses.



- ✓ Close safety device before starting the implement.



- ✓ Do not stand between the tractor and the implement during hitching.

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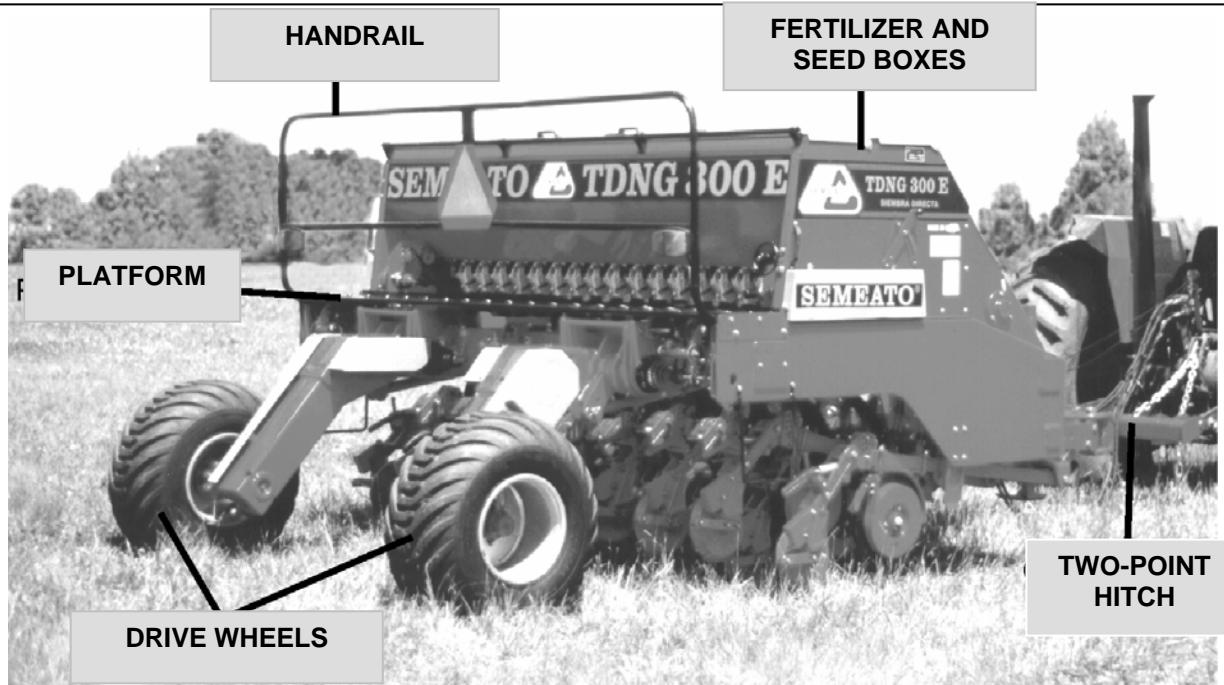
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2- INTRODUCTION

Semeato welcomes you to its growing family as a new product owner. This implement has been designed with care and built by skilled workers using quality materials. Proper setup, maintenance and safe operating practices will help you get years of satisfactory use from this machine.

2.1- DESCRIPTION OF UNIT



2.2- USING THIS MANUAL

This manual will familiarize you with safety, assembly, operation, adjustments, troubleshooting and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.

2.3- DEFINITIONS

Right-hand and left-hand as used in this manual are determined by facing the direction towards which the machine will travel while in use unless otherwise is stated.

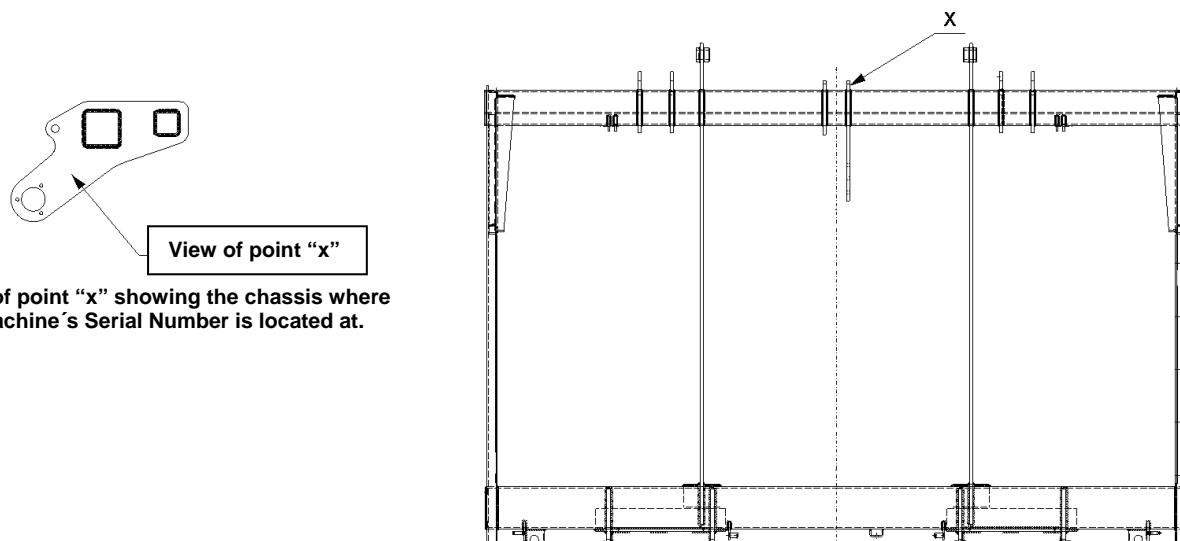


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2.4- CUSTOMER SERVICE

If you need customer service or spare parts, contact Semeato Customer Service Department or Semeato Dealer. They have trained personnel, repair parts and equipment specially designed for Semeato products. Your machine's parts were specially designed and should only be replaced with Semeato parts. Always use MANUFACTURING DATE, SERIAL and MODEL NUMBERS when ordering parts from Semeato Dealer and Customer Service Department. The serial number plate is located on the implement as shown on the below.



View of point "x"

View of point "x" showing the chassis where the Machine's Serial Number is located at.

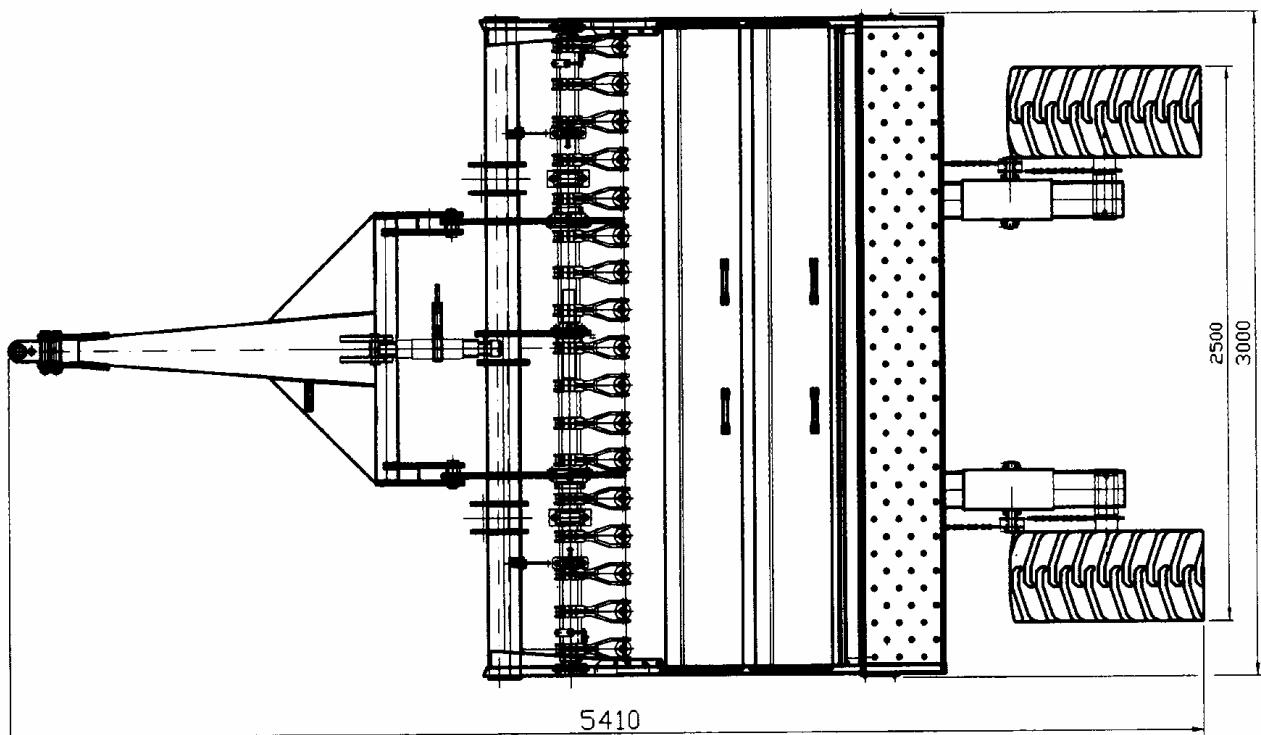
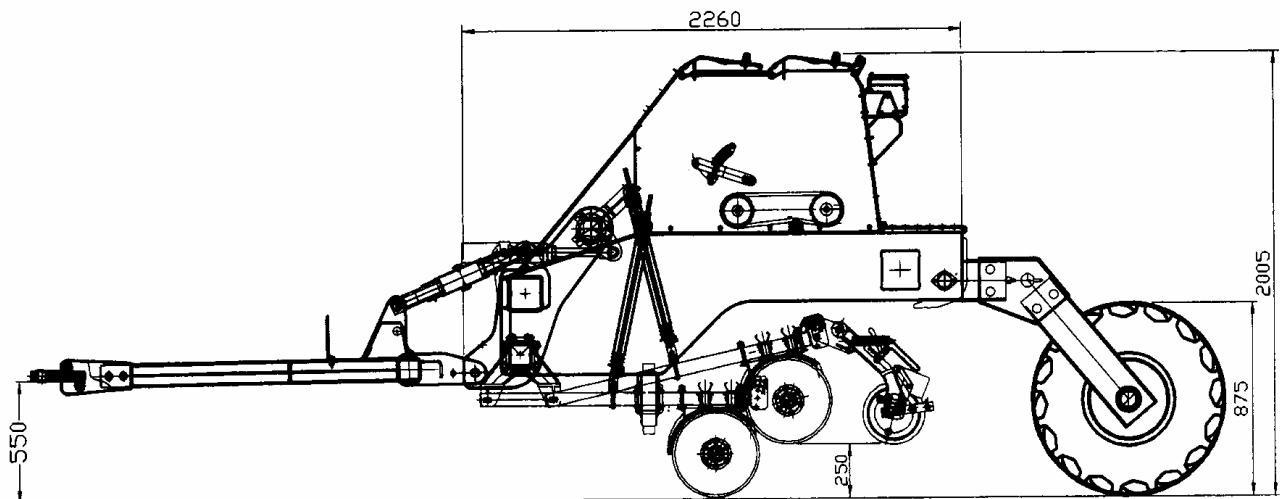
IMPORTANT: SEMEATO RESERVES THE RIGHT TO IMPROVE OR MODIFY ANY OF ITS PRODUCTS WITHOUT PREVIOUS NOTICE AND DOES NOT HAVE ANY RESPONSIBILITY OR COMMITMENT TO MODIFY THE PRODUCTS PREVIOUSLY MANUFACTURED.

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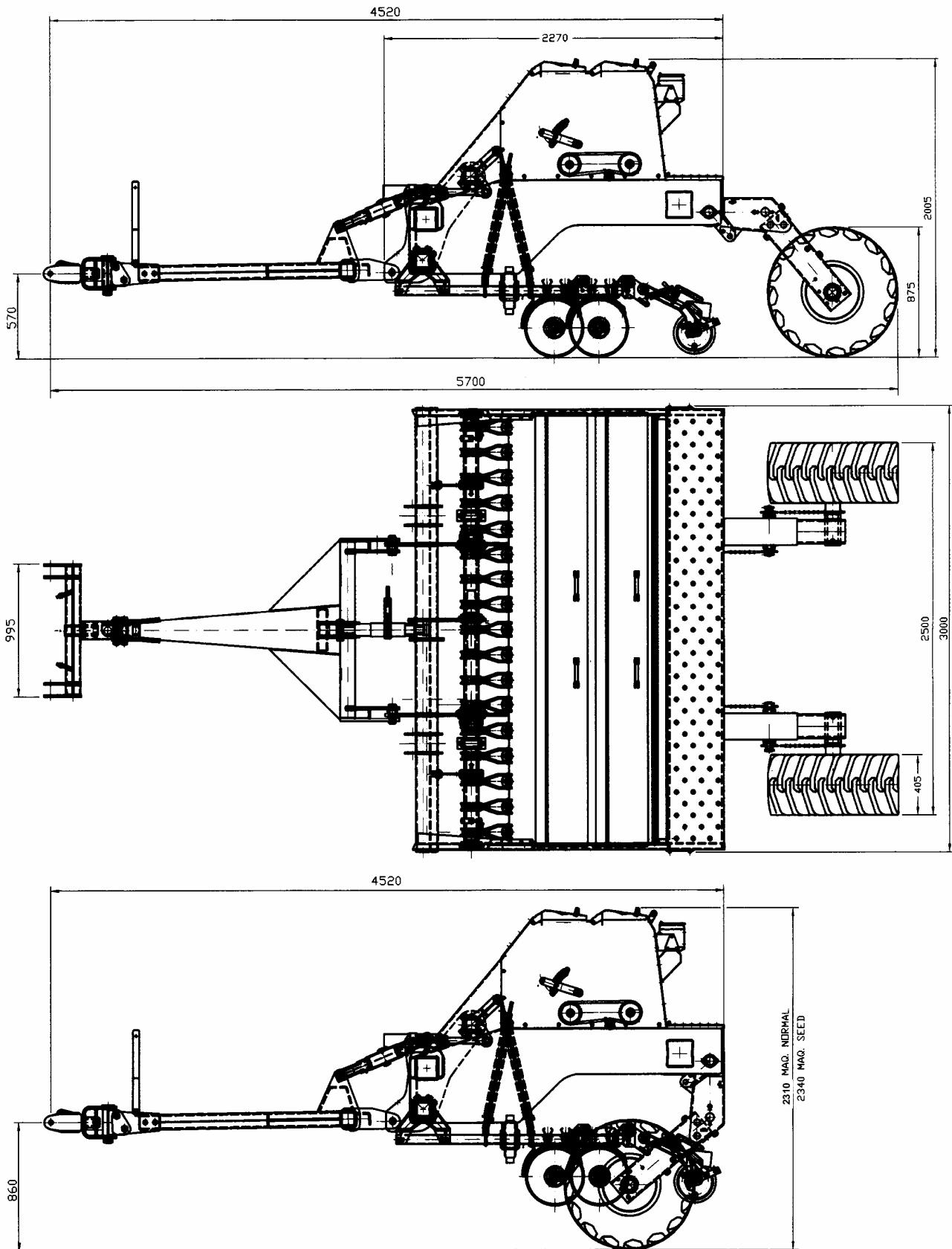
3. TECHNICAL SPECIFICATION





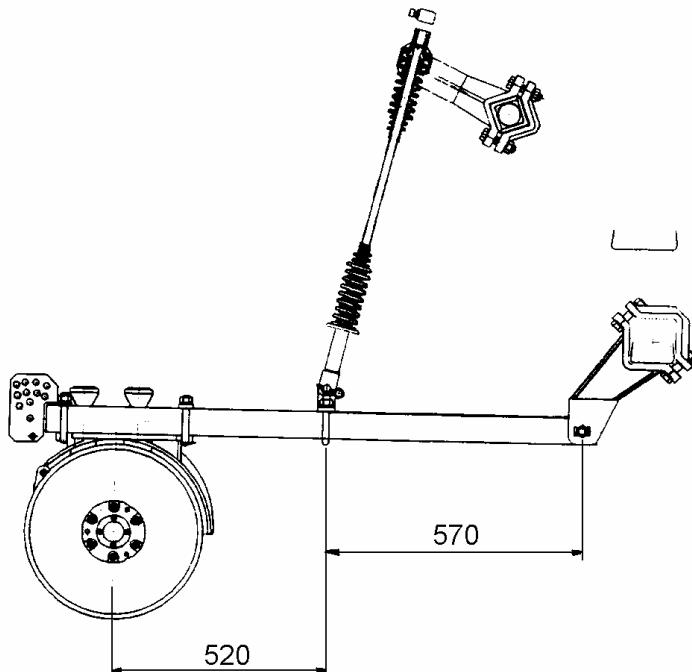
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GENERAL CHARACTERISTICS:

TDNG 300E – TDNG 300E SEED

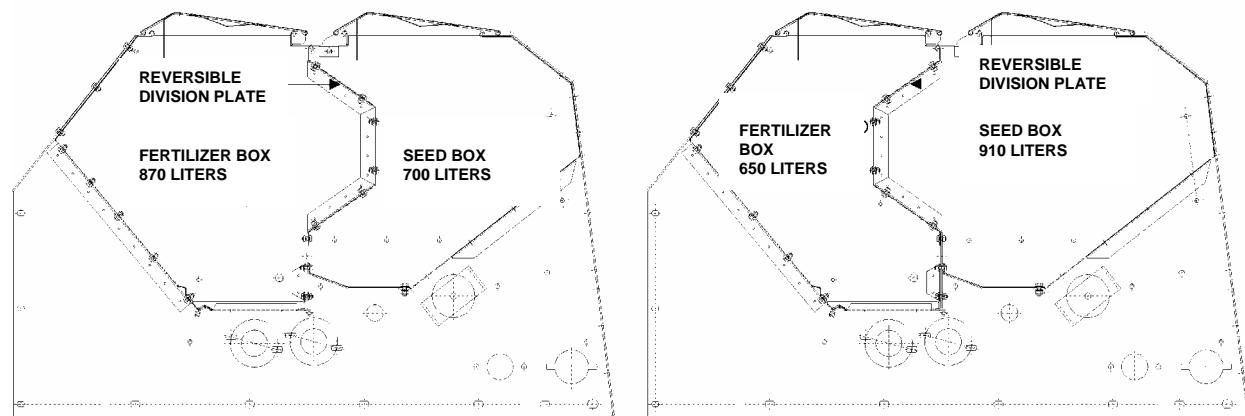
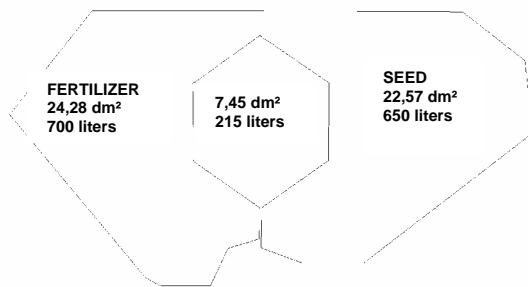
Number of Rows	17
Row Spacing	17cm
Working Width	2.89m
Useful Width	2.72m
Tractor Power Requirement	90HP
Sowing Speed	6 to 8 km/h
Medium Performance	1.7 a 2.1 ha/h
TDNG 300 E - Seed Box Capacity	
Minimum	700 L = 546kg
Maximum	910 L = 710kg
TDNG 300E SEED – Seed Box Capacity	1550L = 1200kg
Fertilizer Box Capacity	
Mínimum	650 L = 740kg
Maximum	870 L = 992kg
TDNG 300E – Pasture Box Capacity	78 liters
TDNG 300E SEED – Pasture Box Capacity	157 liters
Tires (Pneumatic) Trelleborg Traction	400/60-15.5/14
Standard Weight	2980kg
Weight (with NG and depth control ring)	3720 kg
Weight (with NG compact, depth control ring and counterweight)	4120 kg
Weight on Traction Bar	
Transport Position	1100kg
Working Position	300kg



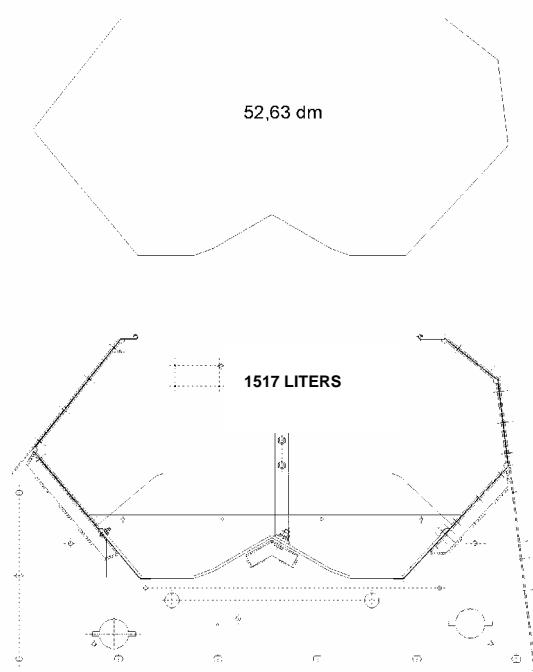
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TDNG 300-E



TDNG 300-E SEED



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DRIVE WHEELS: Two articulated and independent drive wheels. The 400/60-15.5/14 T404 tires are specials with tread and large side walls for high floating to diminish the soil compacting.

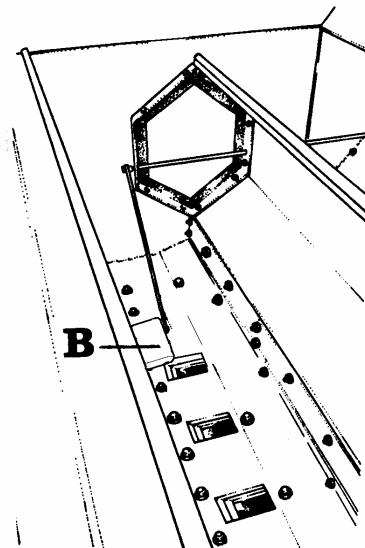
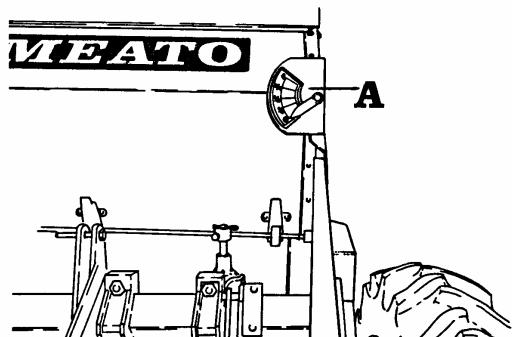
CHASSIS: monobloc-type chassis.

HEADING: Articulated, allowing height adjustment for machine leveling.

SEED METERING: a metering system of Helical Fluted Feed Cup Meter that keeps a uniform seed distribution.

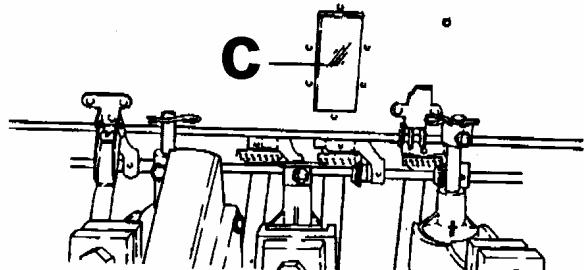
SEED BOX:

The seed box is located behind the fertilizer box of the drill. It has a system that allows farmers to know the refilling time, through the marker (**A**), placed on the front part of the seed drill and it is activated by a buoy (**B**), which stays inside the seed box and it goes down when the seed is almost finished.



FERTILIZER BOX:

Placed at the front part of the seed drill. It has an acrylic visor (**C**), allows the visualization of fertilizer amount inside fertilizer box.





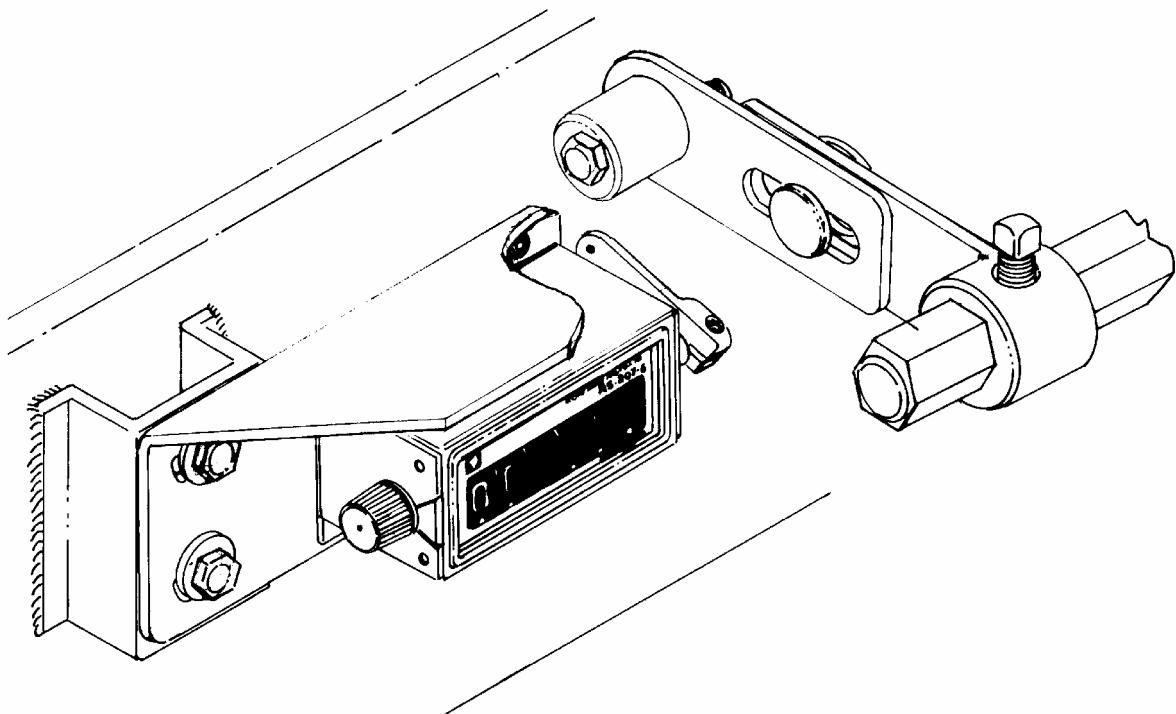
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HECTARE COUNTER: The hectare counter could be used to measure the daily production and especially to verify the amount of seed distributed.

Procedures:

1. Put the hectare counter to zero.
2. Fill the seed boxes, until it gets full.
3. Seeding an area until it wears out at least 3/4 of the box, be careful to make the same number of laps to the right and to the left side.
4. Take the number on the hectare counter and calculate the hectares. To calculate the number of seeding hectares, divide the number found on the hectare counter by a constant, as showed in the table below.
5. Refill the Seed Box up and note down the quantity of seed used to complete the boxes.
6. Dividing the quantity of seeds used in a particular area by the hectares amount, it is possible to obtain the proximate amount of seed distributed per hectare.



IMPORTANT:

To find the quantity of hectares, divide the reading number (on the hectare counter) by the constant of 670.

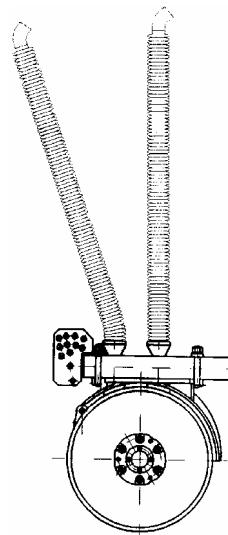
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TUBES:

FERTILIER AND SEED TUBE- Delivered through convoluted seed and fertilizer hoses.



FURROW OPENERS: Seed and fertilizer placement, Offset Double Disk Openers of 14.1/2" and 15" of diameter or Dephased Double Disk Opener of 15" and 16" of diameter with internal scraper.

TRANSMISSION SYSTEM: It is activated by two drive wheels, through interchangeable chains and sprockets, which transmits movement from the drive wheel to the seed distributing shaft.

SPROCKET: Coupled to the transmission system, allowing seeding with half rows, turning off automatically when the rows are lifted up.

LIFTING UP SYSTEM SYSTEM: Two independent hydraulic cylinders, projected to work with a 200 Kg/cm² of pressure and 198mm hydraulic course.

SEEDING DEPTH: Adjustable through the depth control cast rings of 25, 40 and 60mm, attached onto the opener.

LEVELING: Adjustable, when the drill is hitched to the tractor

PRESS WHEELS: The Cast NG Press Wheel performs efficiently two operations at the same time in no-till, closing the seed/fertilizer trench on lateral trench wall angled pressing, keeping soil moist on seed-to-soil contact for uniform germination.

Options: Fluctuant Press Wheel in "V", Concave Press Wheel, Convex Press Wheel, and Covex Press Wheel.

PLATAFORMS: Two platforms specially projected to fill up the seed and fertilizer boxes.



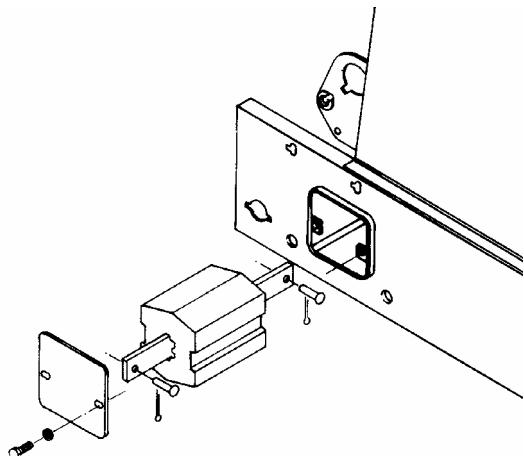
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COUNTERWEIGHTS:

They improve the disk penetration in the soil, could be added to TDNG 300 E maximum 14 counterweights of 30Kg each, totalizing 420Kg.

These counterweights are placed in a special compartment, inside the rear tube of the chassis.



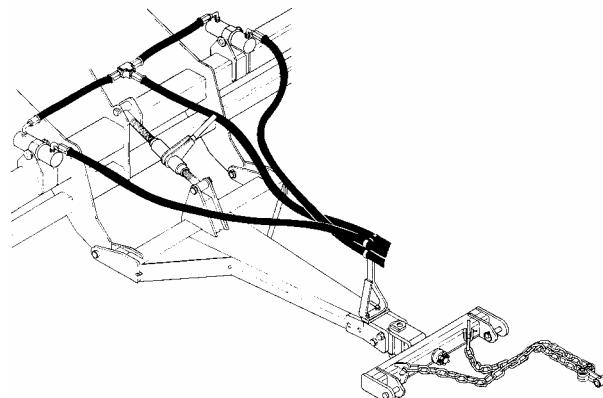
4- PREPARATION AND SET UP

4.1 - TRACTOR:

Power: TDNG 300 E and TDNG 300 E SEED require tractors with medium power of 90HP.
Hydraulic Pressure: The maximum hydraulic cylinders working pressure is 200kg/cm². Do not exceed this pressure.

4.2 - DRAWBAR:

Hitched to the tractor by the two-points linkage. It has a stabilizer bar for leveling the drill.

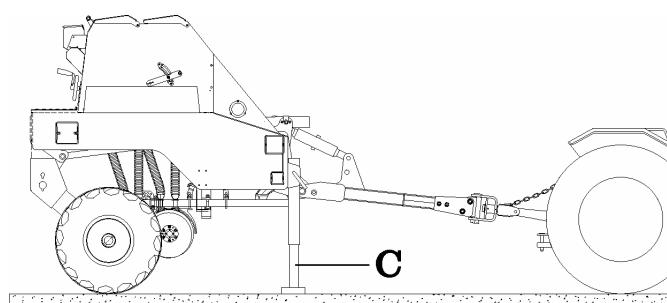


4.3 - PARKING STAND:

The Parking Stand (C) is used to unhitch the TDNG 300 E from the tractor.

Put the Parking Stands down to unhitch the drill from the tractor.

When the machine is dislocated or planting the parking stands must be raised.



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4.4 – TYRE PRESSURE

The correct tyre pressure allows a perfect contact with the soil. Over inflated tyres can cause excessive wearing out on the crown of the tyre. However, tyres under inflated could increase chances of flexing side walls wearing out and internal overheating. Therefore, make sure that the TDNG 300E tyres are correctly inflated.



Recommend pressure: 15 lib/cm² - 38 lib/pol².

Warning!

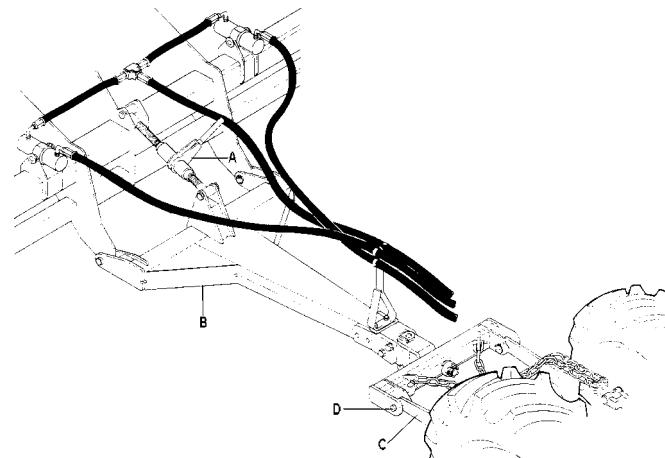
- * Rim and tyre servicing can be dangerous. Explosive separation of a tire and rim parts can cause serious injuries.
 - * Do not attempt to mount a tire unless you have the proper equipment and experience to perform it.
 - * When inflating tyres, use a clip-on air chuck and extensions hose long enough to allow you to stand at the side and NOT in front or over the tire assembly. Use a safety cage to enclose the tire and rim assembly when inflating.
 - * Inspect the tires and the wheels daily. Do not operate with low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.
- *Tyre pressure affects tire circumference and thus can affect seeding rates.

4.5- HITCHING AND UNHITCHING

4.5.1 – HITCHING THE TRACTOR TO THE DRILL

Place the tractor's drawbar closer to the drill's drawbar.

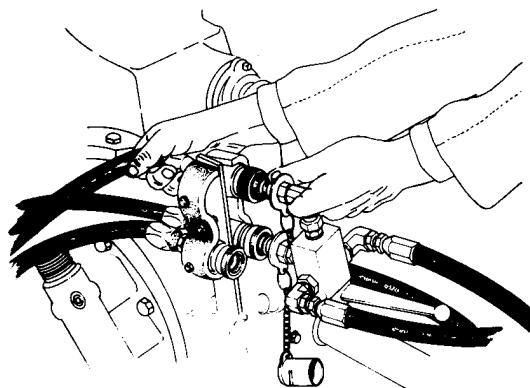
Use the stabilizer bar (A) to raise or lower the drawbar (B), until it matches the tractor's 2-point linkage (C). Back up tractor carefully to hitch, fix it with the pin (D), and fix the chains at the tractor's 3-point linkage.



Hook up the drill's hydraulic hoses at the correct tractor's hydraulic system. It could be hooked up at either one of the two points of the same hydraulic vertical row.

When the hydraulic command is simple – it is used Triple Hydraulic Valve – the valve lever allows three different positions:

- 1.Both sides of the drill activated;
- 2.Right side of the drill activated;
- 3.Left side of the drill activated.



Important:

To avoid problems on the hose, release pressure on the system before hooking up to its respective coupling gear.

Before hooking up the hydraulic cylinder hoses, clean the edges of the quick coupler (Male and Female).

When not using the quick coupler, keep them with the plastic safety top in place.

Do not hook up on the tractor's hydraulic system, any hydraulic systems containing impurities on its circuit, since it would contaminate the tractors hydraulic oil, causing serious damages to its components.

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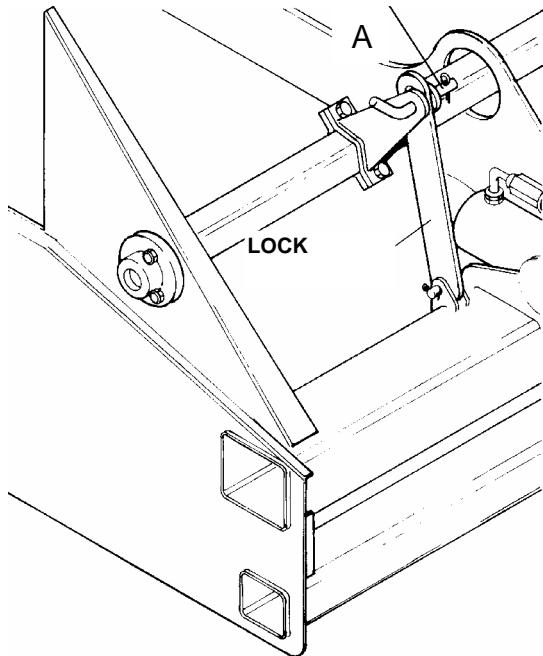
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ATTENTION:

DO NOT ACTIVATE THE HYDRAULIC SYSTEM WITHOUT REMOVING THE LOCK DEVICE.

NOTE: In order to remove the pin (A) it is necessary the assistance of other person that activate simultaneously and moderately the hydraulic system, until the complete success of the operation.



CAUTION!



Before doing any repair on the drill or around it, with the machine raised, it is necessary to install safety lockups at the hydraulic cylinders.

4.5.2- UNHITCHING THE SEED DRILL FROM THE TRACTOR

- Lower the implement until it matches to the cylinder safety lockups, and relieve hydraulic pressure on the system.
- Remove hydraulic hoses.
- Place parking stands in storage position (vertical).
- Lift the mobile drawbar through the stabilizer bar until the weight is transferred from the tractor's drawbar to the parking stands.
- Remove the hitch pin and drive the tractor forward for separation.



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4.6- TRANSPORT

Warning!

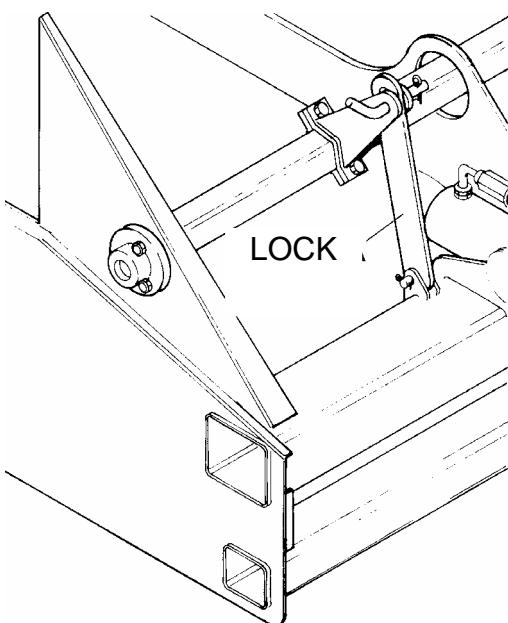
Towing the implement at high speed or with vehicle that is not heavy can lead to loss of vehicle control, which can lead to serious road accidents, injury and death. To reduce the hazard:

- Do not exceed 12 km/h
- Do not tow an implement when fully loaded and weights more than 1.5 times the weight of the towing vehicle.
- Always use warning lights when transporting the seed drill.
- Comply with all laws when traveling in public roads.

OBSERVATION:

To transport the drill on the roads or dislocating to the field, keep the lifting shafts raised and the hydraulic cylinder locked.

Unload the seed/fertilizer box before transporting.



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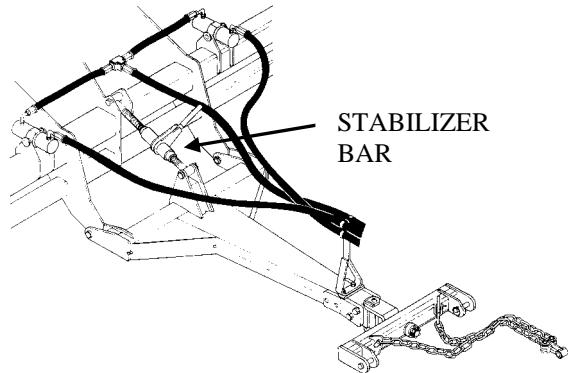
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5- ADJUSTMENTS

5.1 – LEVELING

In order to obtain a good performance in the field, check if the seeder is properly adjusted. TDNG 300E has a stabilizer bar set used to level the seeder drawbar to the tractor's 2-point linkage in order to hitch them, as well as, leveling the seed drill horizontally. Before starting seeding observes the chassis laterals, they must be perfectly leveled.



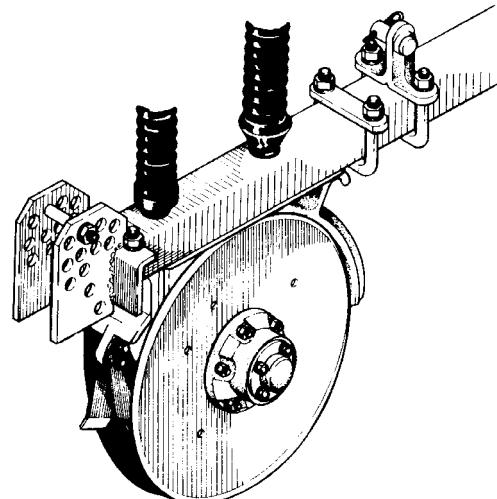
5.2- FURROW OPENING

The furrow opening could be performed by Dephased Double Discs of 15"/15.1/2" and 16", or by Offset Double Discs of 14.1/2"/15".

DEPHASED DOUBLE DISK - NO-TILL

Two disks with different diameter (15" and 15.1/2" or 15" and 16"), assembled in the same center with an angle of 7,5° between them, featured with internal auto-adjustable scrapers.

This characteristic distinguishes the set and gives it better cutting and penetration power with minimum soil disturbance.



DEPHASED HIGH TOWER DISK- NO-TILL

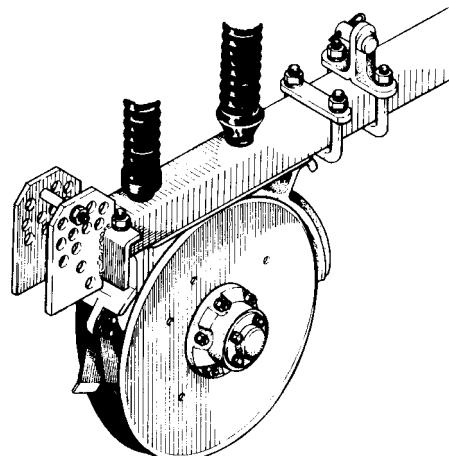
Two disk with different diameters (15" and 15.1/2" or 15" and 16") assembled in same center with angle of 9,5° between themselves.

OFFSET DOUBLE DISK – NO-TILL (*)

The offset double disk system is compound by two flat and smooth disks of 14.1/2" and 15" of diameter.

This way during assembly, the center of the disk is dislocated. These characteristic distinguish the set and gives it better cutting and penetration power. The disk scraper should be adjusted, so there is no gabs between the disks and the scrapers. However, remember that the adjustment should allow the disks to turn freely.

(*) – Soil conditions must be analyzed like moisture, crop residues and soil surface.





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TDNG 300 E - TDNG 300 E Seed

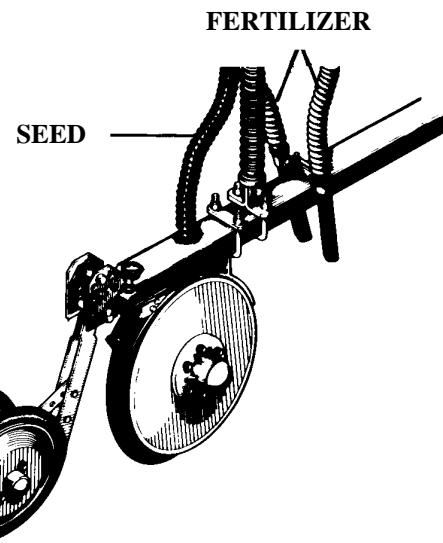
SUPERFICIAL FERTILIZER DEVICE FOR SOYBEAN

The superficial fertilizer device (15150000) for soybean comes along with the seeder and can be adapted in any TDNG system – double disk, offset double disk or triple disk.

This device was made to avoid direct contact between the fertilizer and the seed.

The fertilizer is spread out on the soil surface and laterally in relation to the seed, through two seed tubes adapted in the furrow opener arm.

Each seed tube must be connected in only one feed cup of the fertilizer box.



5.3 SEEDING DEPTH

The seeding depth desired is adjusted through the:

- SPRINGS PRESSURE: depends of the type or combination used among the external, intermediary and internal springs and the position of the springs pressure adjuster (cylinder course).
- PRESS WHEEL ADJUSTMENT (optional).

- STOP OR INDIVIDUAL GAUGE WHEEL ADJUSTMENT.

Depending of the local conditions, type of crop, type of soil, seeding system used (conventional tillage, minimum, no-till), it must be used different adjustments, observing the follow items:

Combinations used among springs:

- Internal spring + intermediary spring + external spring: for no-till, pasture renovation, in heavy conditions;
- Internal spring + intermediary spring: for no-till and minimum tillage;
- Internal spring: for conventional tillage seeding.

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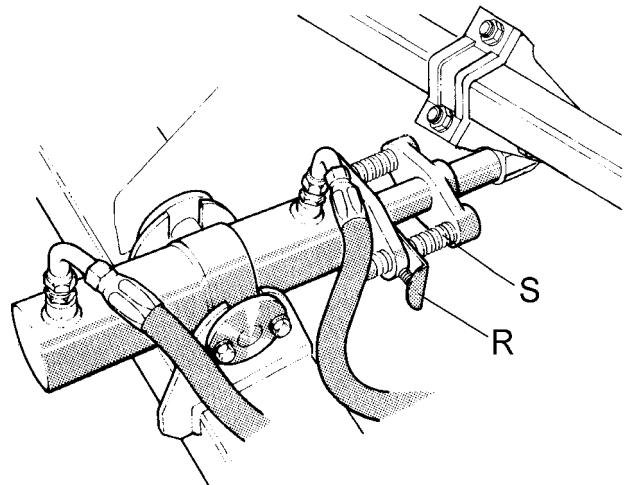
TDNG 300 E - TDNG 300 E Seed



2. Spring pressure adjuster position

The cylinder course is adjusted by a lock with eight different positions that increases or reduces the spring pressure on the rows where are assembled the furrow openers.

To adjust, press the lock (**R**) and move the stop (**S**) until the depth desired, loosen up the lock and fit it in the stop.



The drawing below gives an example which shows that the type of spring chosen is correct.

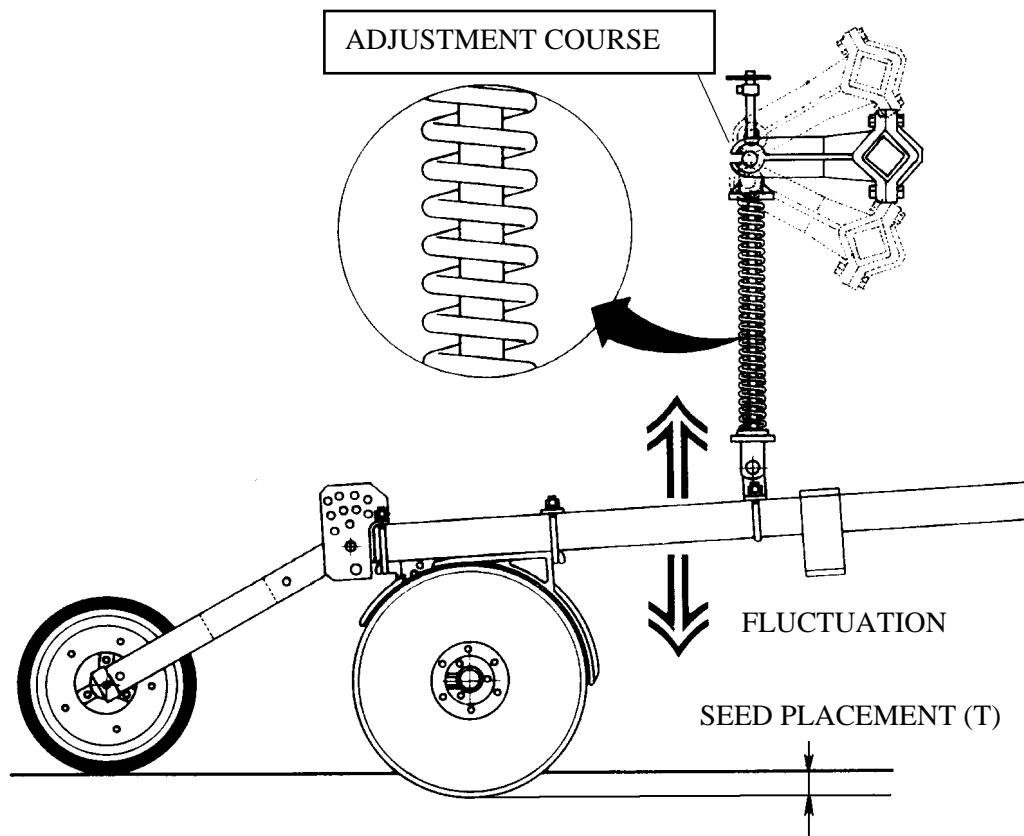
Observe that with the desire depth (**T**), the spring is sufficiently closed to give necessary row fluctuation. It means that, when the row encounters lowers parts on the soil, the spring will have enough pressure to make the disks penetrate in the soil; or when the row encounters the higher parts the spring won't be blocked or with excessive pressure, and it will deposit the seed in the depth desire.

The drawing below shows the adjustment course which allows better fluctuation.



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TDNG 300 E - TDNG 300 E Seed

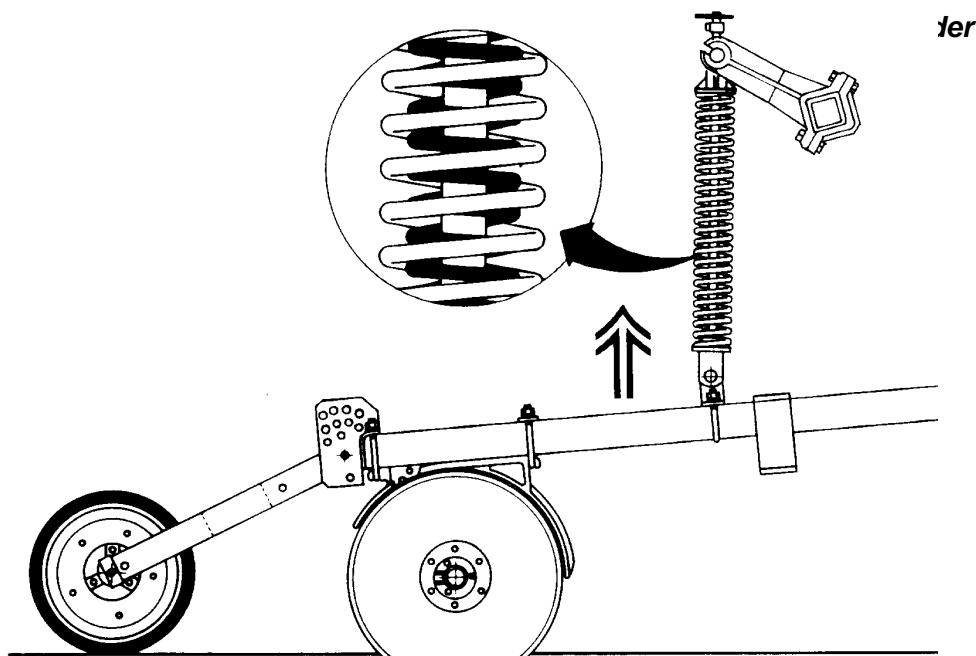


The drawing below illustrates two WRONG adjustments. Even though, the drill is seeding in a correct depth, the fluctuation upwards or downwards is zero.

FLUCTUATION ONLY UPWARDS

Loosen springs, without pressure

The position excessively

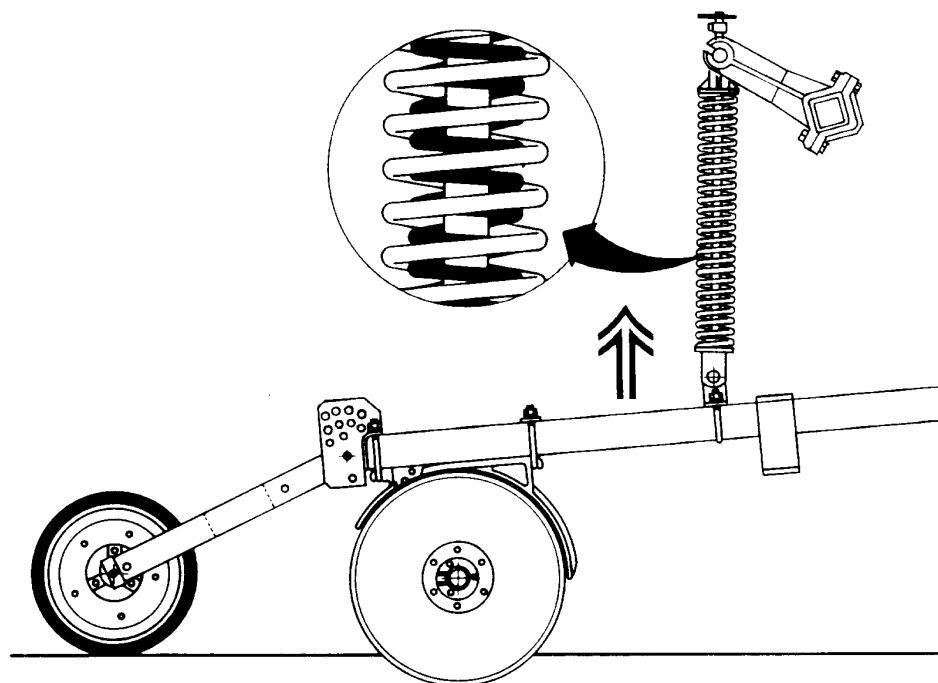
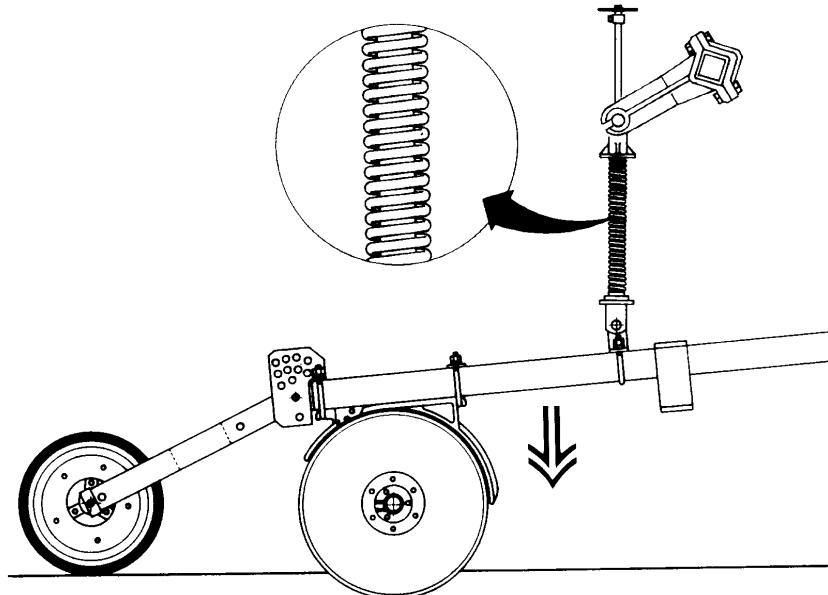


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TDNG 300 E - TDNG 300 E Seed



FLUCTUATION ONLY DOWNWARDS Closed spring



Position of the hydraulic course adjuster stop is excessively downwards (Cylinder excessively closed)

3- Press Wheel Adjustment

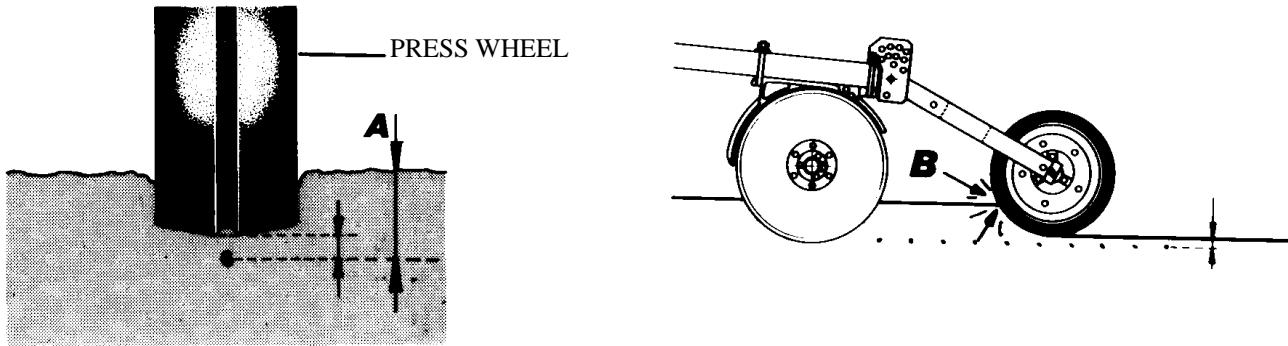
The press wheel (fix type), works as a depth gauge wheel and absorbers the excess of pressure on the springs to compact.



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TDNG 300 E - TDNG 300 E Seed

On the other hand, excess of pressure on the gauge wheel will cause an excessively deeper furrow (**A**), on top of the seed and obstructions at front part of the press wheel (**B**).

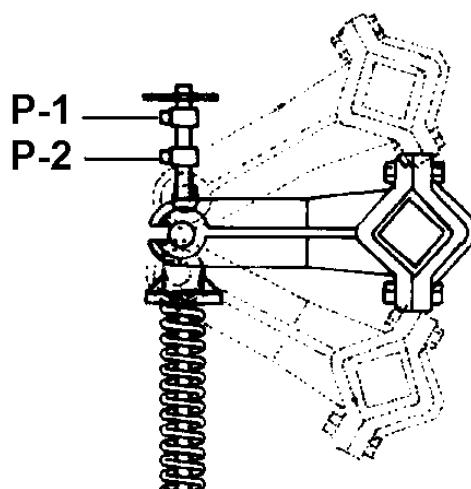


4. Stop or individual limiter adjustment

If the machine has its rows lowered in seeding position, it must have a gap between the stop and the rod's guide to allow good row fluctuation.

POSITION: P-1, more row fluctuation, going downwards, on uneven terrains.

POSITION: P-2, less row fluctuation, going downwards. It is indicated for plain terrains and it has higher row position in case of manoeuvres and transport.



5.4- SEED COMPACTION AND CLOSING

The press wheel is responsible for giving good seed-to-soil contact. Seed compaction enables a better usage of temperature and moisture conditions in the soil, exploiting its germination power.

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TDNG 300 E - TDNG 300 E Seed

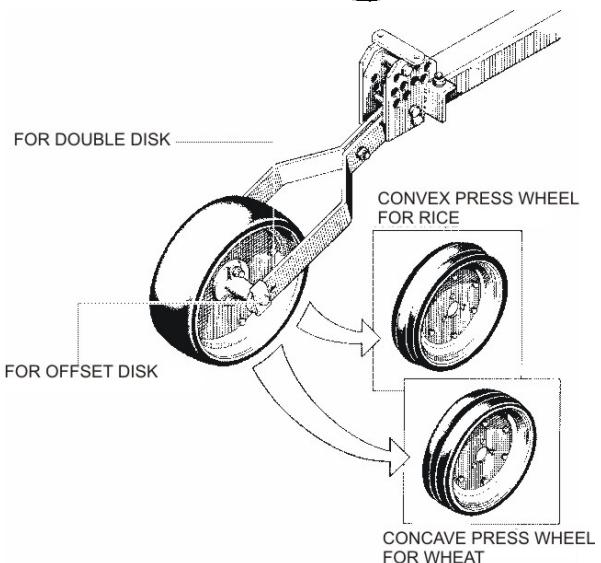
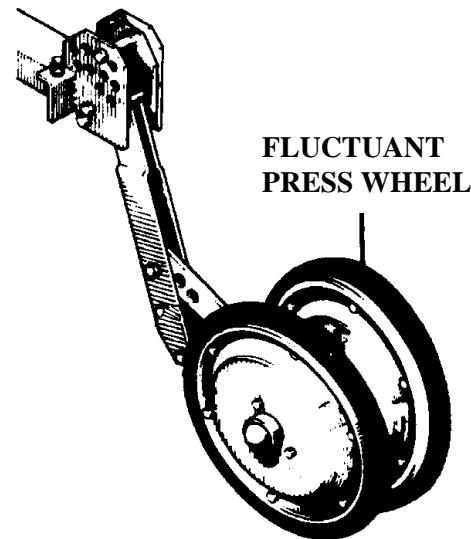


Angle press wheel gently firms the soil around the seed, without compacting soil directly above.

The fluctuant press wheels work in angle to close laterally the furrow, leaving a loose smooth layer of soil on top of the seed.

The pressure on the press wheel is adjusted through a combination of holes on the limiter plate and on the placer set.

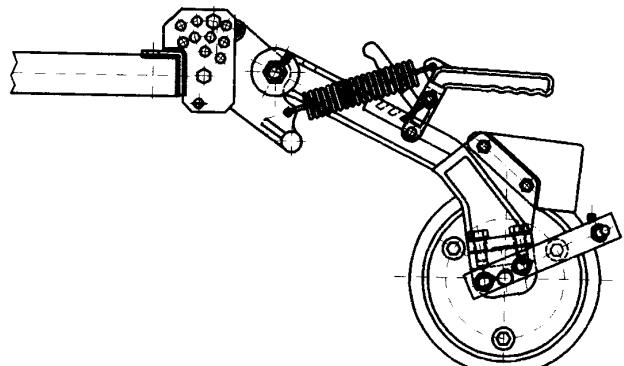
A spring that works by traction maintains the press wheel in contact with the soil.



The flat, concave and convex press wheels compact the soil and limit the seeding depth.

NG PRESS WHEEL

The NG press wheel performs two operations at the same time, seed coverage and firming the soil around the seed. This process eliminates air pockets, avoids crusting and creates positive seed-to-soil contact. Seed gets the best shot at quick germination for an even stand.



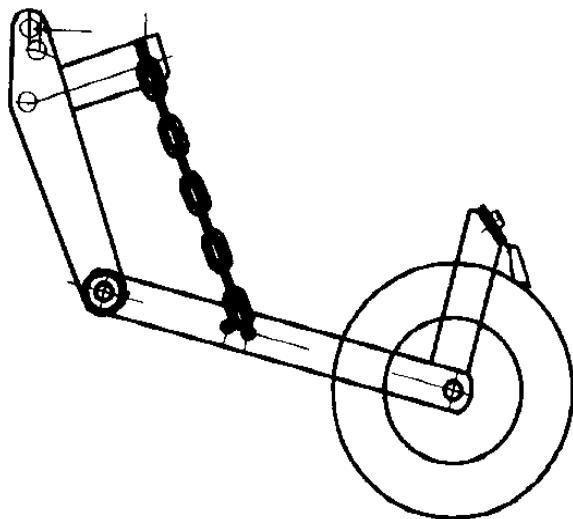


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TDNG 300 E - TDNG 300 E Seed

CONVEX CAST IRON PRESS WHEEL

The Convex Cast Iron Press Wheel follows the terrain undulations with constant pressure on its own weight.

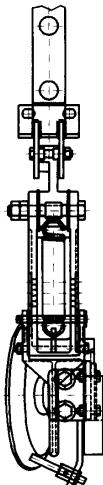


OBSERVATION:

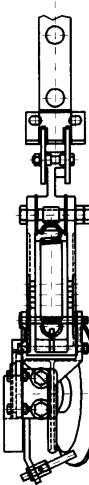
The press wheels leaves the factory assembled in two ways: left and right side, according to the gauge wheel's position in relation to the furrow opener.

For example, left side press wheel is the one that compacts on the left side of the furrow opener and the right side press wheel compacts the right side.

LEFT SIDE NG PRESS WHEEL



RIGHT SIDE NG PRESS WHEEL



At TDNG 300E are assembled nine right side NG press wheels and eight left side NG press wheels.

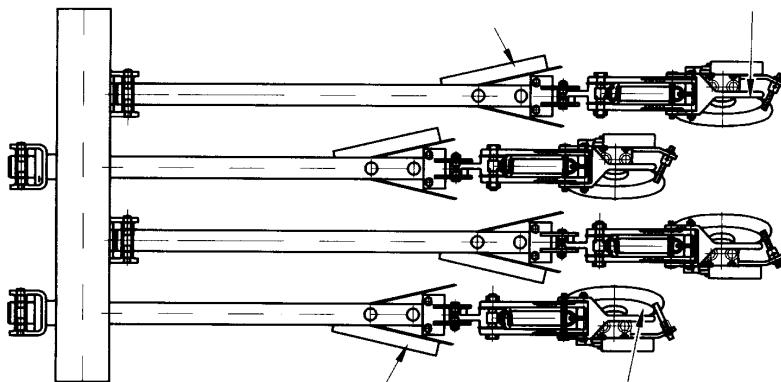
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TDNG 300 E - TDNG 300 E Seed



Depth Control Ring at the right side

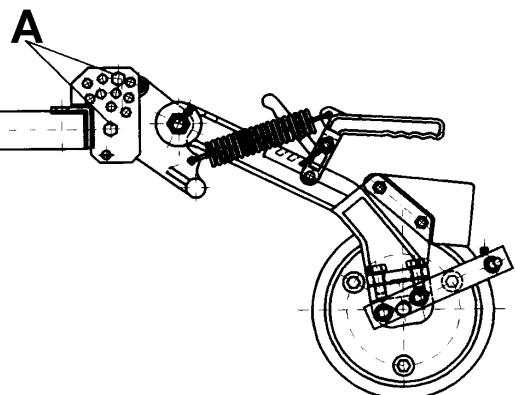
NG Press Wheel at the left side



Depth Control Ring at the left side

NG Press Wheel at the right side

In case the drill is not assembled according to the drawing above, the gauge wheel must be assembled in the opposite side of the compaction side, you should disassemble the gauge wheel and change the sides in order to the compaction to be made always in the opposite side of the gauge wheel.



To assemble the press wheel in the seed drill row, use two bolts (A) which comes along with the set.

ADJUSTMENTS:

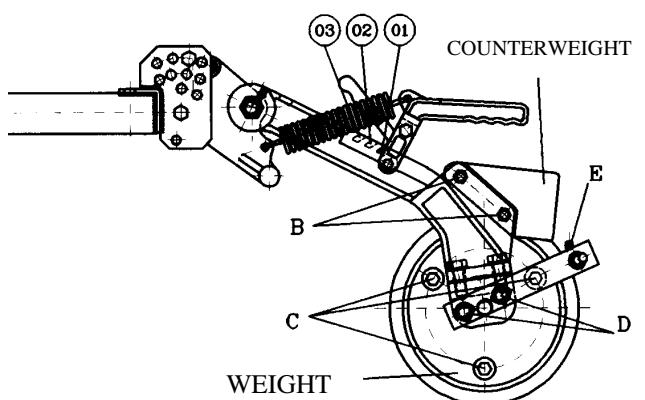
The press wheels have three adjustment positions to vary the pressure on the soil.

1. SPRING PRESSURE VARIATION

MORE PRESSURE: POSITION 1

MEDIUM PRESSURE: POSITION 2

LESS PRESSURE: POSITION 3





2. WHEEL WEIGHT AND COUNTERWEIGHT:

In order to have less pressure in the soil, remove the counterweights, loosen the bolts (**B**), and/or through the wheel's weight, loosen the bolts (**C**).

OBS.: Adjust the scraper through the bolts (**D**) e (**E**).

5.5 – SEED METERING

5.5.1 –Fluted Feed Cup System:

The exclusive SEMEATO fluted feed cup delivers seed with outstanding accuracy. Whether the seed you are drilling is small, large or fragile, our time proven metering system will deliver the rate you choose, evenly and gently. The seed cup design maintains precise delivery in fast or slow drilling conditions.

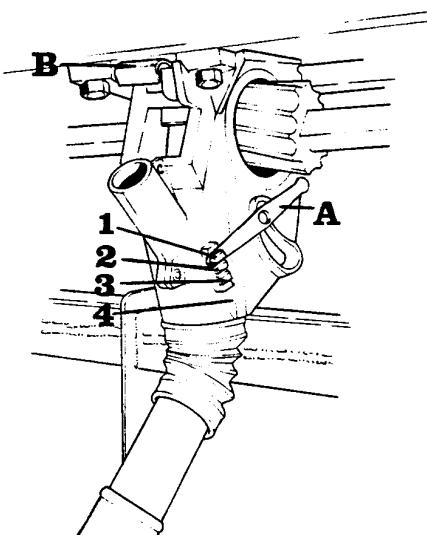
Each meter box has individual adjustment, changing the lever position (**A**) according to the seed size to be seeded.

POSITION 1: wheat and pasture.

POSITION 2: rice, oat, barley and soybean small seeds.

POSITION 3: soybean

POSITION 4: seed box meter cleanliness.



To seed with a smaller number of rows, set apart the ones that are going to be used, with its seed plug of the individual seed exit (**B**).

To transport the seed drill from one area to another, the seed meter box must be closed.

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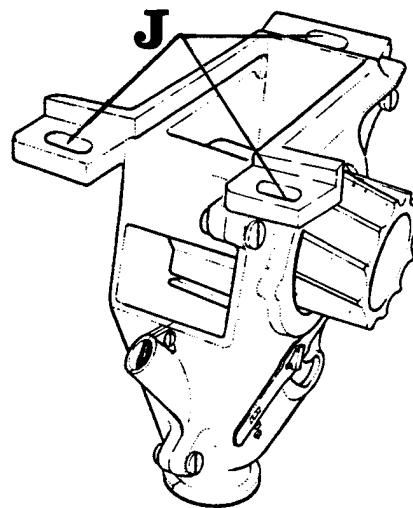
TDNG 300 E - TDNG 300 E Seed



OBSERVATION:

After any repair in the seed metering system, pay attention to the follow items:

1. The meter boxes must be aligned with the drive squared shaft.
Verify if the rotor is forcing too much the structure and the toothed ring.
2. The meter boxes have stretched holes (**J**) to dislocate it laterally and they are fixed in such way that when the adjustment is closed, all the others rotors are equally closed. This provides the same distribution amount in all the rotors.
3. In case of distributions irregularities in the rotors, you can use the stretched holes as an alternative (**J**) to obtain the same rate (For example: worn out of some of the rotors).

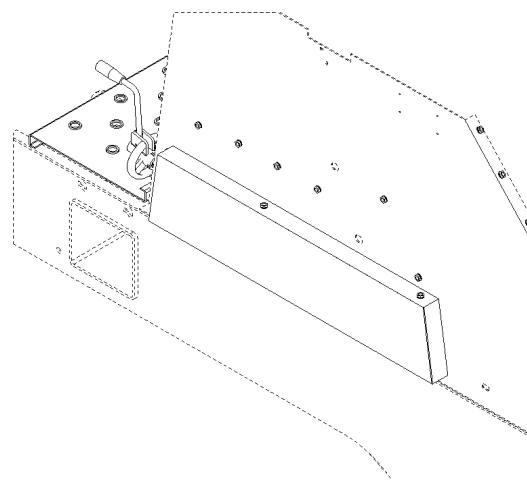


5.5.2- SEED RATE

The maintenance of uniform seeding guarantees an even stand of the crop. The seed density decrease when increasing the speed limit recommended, dropping the seeds in the wrong way.

More or less amount of seed to be distributed is obtained moving the steering (**M**), placed at the lateral of the box.

The steering is connected to the seed deliver shaft, opening or closing the rotors.



The calibration of the seed metering could be done through the number of seed per linear meter or kilogram of seed per hectare.

In order to achieve the seed rates per linear meter, dislocate the machine 20 meters on firm and flat soil. Do not go deep in the ground. After this ignore 5 meters in the beginning and the 5 meters at the end. In the 10 meters remaining, of the center, measure 1 meter and count the seeds. So, it is possible to verify the distance among the seeds in the row, and to visualize any mechanical damages that can occur.



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TDNG 300 E - TDNG 300 E Seed

Repeat the counting one or twice. During seeding, check it again.

To count the amount of seed in Kg/ha, proceed as it follows:

- Choose the lever position of the meter box in each row, according to the specie and variety of the seed to be seeded;
- Move the steering until the determinate scale division;
- Remove the convoluted seed hose of the rows that you want to take a sample (minimum 4 rows);
- Put plastic bags at the rows to collect the seed;
- TDNG 320 Seed: shift 100 meters in a straight line, previously marked on the soil or turn the wheel 27,5 laps, if you prefer to make the test parked.
- TDNG 420 Seed: shift 100 meters in straight line, previously marked on the soil or turn the wheel 25,5 laps, if you prefer to make the test parked.
- Check the weight of all seed collected and divide it per 4, taking the average;
- Multiply the value found by the constant of the spacing.

EXAMPLE:

TDNG - Spacing of 17,0cm – wheat seed

1st row: 220 gram
 2nd row: 227 gram
 3rd row: 330 gram
 4th row: 226 gram

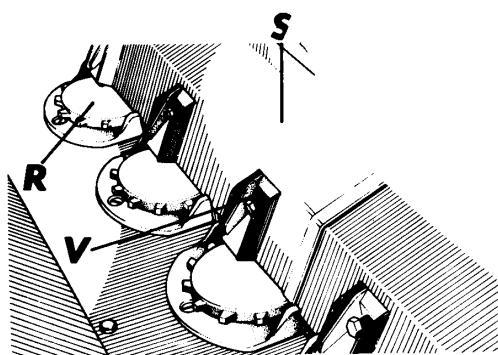
$$\text{Average: } 1003 \div 4 \text{ rows} = 250 \text{ gram} \div 1000 = 0,25 \text{ kg}$$

$$\text{Average} \times \text{constant} = \text{kg/ha}$$

$$0,25 \times 588 = 147 \text{ kg/ha}$$

5.6 – FERTILIZER METERING

Granulated fertilizer metering at the TDNG is made by 12 teeth star feed wheel (**R**). The star feed wheels are situated on the bottom of the fertilizer box, working in horizontal position. Above the star feed wheel is a protection plate (**S**), which has the function of protecting the star feed wheel of the fertilizer weight. So, the star feed wheel movement is facilitated and they carry in theirs teeth the right volume of fertilizer.



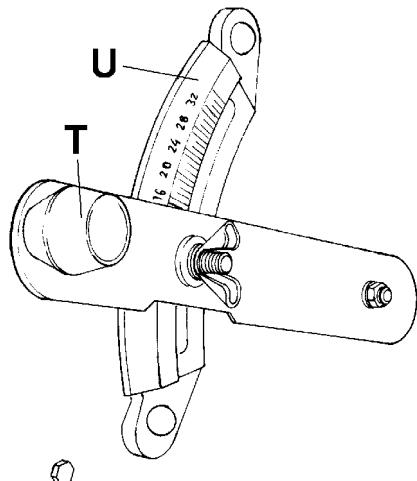
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The amount of fertilizer per hectare (or per acre), depends on the test soil recommendation or specific recommendation. The adjustment of the fertilizer rate is made through the levers (**T**) laterally placed at the fertilizer box. These levers work associated with the adjustment scale (**U**) and they are responsible for the size of the regulators opening (**V**).

To move the levers, loosen the wing screw. When you find the ideal position, tighten the wing screw to fix it.



5.6.1- REGULATOR'S OPENING ADJUSTMENT

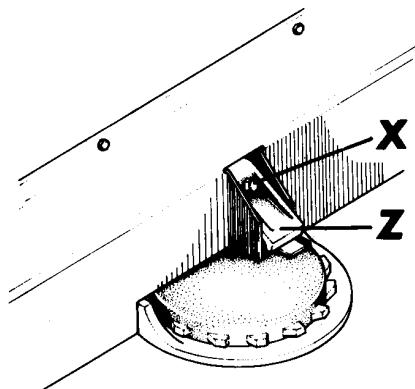
The regulators work associated with the adjustment scale. The higher scale reading more is the regulator opening and more is the amount of fertilizer delivered.

Verify, periodically, the regulators' opening where the fertilizer comes out. Avoiding that during seeding, one row delivers more fertilizer than other.

1. Move the levers until zero position on the scale;
2. Loosen the bolt (**X**) of the regulators (**Z**).
3. Fix the regulator with an opening from 2 to 3mm.

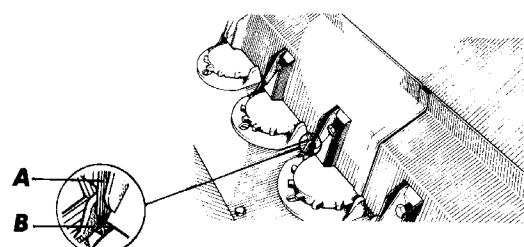
Use a plate with this thickness as standard measure, in order to maintain all rows with the same opening.

4. At the seeding moment, when adjust the lever in the desired point, verify if all regulators keep the same opening.



ATTENTION:

VERIFY IF THE PROTECTION PLATE ARE CORRECTLY PLACED. THE CORNER OF THE ENTRY PLATE (**A**) SHOULD LEAN ON THE BASE OF THE FERTILIZER BOX (**B**).



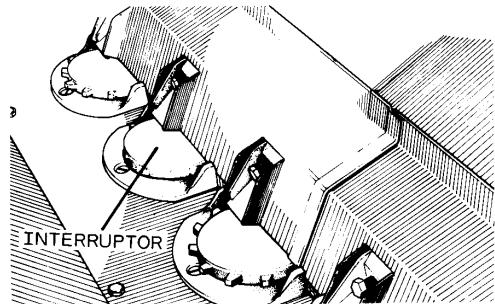


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5.6.2- REDUCING ROWS

In order to reduce the number of rows or modify the spacing, it is necessary to isolate some rows through the plugs on the fertilizer exit, this set follows the seed drill in a box with additional parts. In order to put the plugs it is necessary to remove the "tiles", remove the rotor and place the plugs on the respective place.



IMPORTANT:

TO REDUCE THE AMOUNT OF FERTILIZER PER HECTARE CHANGE THE DRIVE SPROCKET FROM 14 TEETH TO 8 TEETH AND THE DRIVEN SPROCKET (IN THE FERTILIZER SHAFT) FROM 14 TEETH TO 18 TEETH, WHICH FOLLOWS THE SEED DRILL. DO IT IN BOTH SIDE OF THE SEED DRILL.

APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING IN Kg/ha FOR TDNG 300 E WITH SPROCKET 14Z X 14Z

STAR FEED WHEEL	LEVER ADJUSTMENT								
	0	4	8	12	16	20	24	28	32
15080101 – 12-TEETH	270	353	453	592	741	897	963	1070	1117
15081001 – 12 SHORT TEETH	107	176	327	481	616	762	895	965	1010
15081101 – 7-TEETH	565	616	787	963	1090	1234	1377	1456	1530

APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING IN Kg/ha TO TDNG 300 E WITH DRIVE SPROCKET 8-TEETH AND DRIVEN SPROCKET 18-TEETH.

STAR FEED WHEEL	LEVER ADJUSTMENT								
	0	4	8	12	16	20	24	28	32
15080101 – 12-TEETH	129	163	228	281	349	385	439	494	506
15081001 – SHORT TEETH	48	82	174	233	297	339	380	446	463
15081101 – 7-TEETH	265	333	407	456	526	579	622	710	740

APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING IN Kg/ha TO TDNG 300 E DRIVE SPROCKET 18-TEETH AND DRIVEN SPROCKET 8-TEETH.

STAR FEED WHEEL	LEVER ADJUSTMENT								
	0	4	8	12	16	20	24	28	32
15080101 – 12-TEETH	523	633	824	1096	1267	1292	1294	1326	1555
15081001 – SHORT TEETH	248	282	515	850	983	1005	1021	1042	1248
15081101 – 7-TEETH	1080	1187	1473	1682	1800	1820	1960	2112	2487

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**APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING WITH AUGER 1" –
(OPTIONAL)
SPACING 17cm – VALUE IN Kg/ha**

DRIVE SPROCKET		DRIVEN SPROCKET					
		8-TEETH	10-TEETH	12-TEETH	14-TEETH	16-TEETH	18-TEETH
8-TEETH	189	151	126	108	94	84	
10-TEETH	236	189	157	135	118	105	
12-TEETH	283	226	189	162	141	126	
14-TEETH	330	264	220	189	165	147	
16-TEETH	378	302	252	216	189	168	
18-TEETH	425	340	283	243	212	189	

**APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING WITH AUGER 2"
SPACING 17cm – VALUE IN Kg/ha**

DRIVE SPROCKET		DRIVEN SPROCKET					
		8 -TEETH	10 -TEETH	12 -TEETH	14 -TEETH	16 -TEETH	18 -TEETH
8 -TEETH	480	384	320	274	240	213	
10 -TEETH	600	480	400	343	300	266	
12 -TEETH	720	576	480	411	360	320	
14 -TEETH	840	672	560	480	420	373	
16 -TEETH	960	768	640	548	480	426	
18 -TEETH	1080	864	720	617	540	480	

**APPROXIMATE TABLE OF GRANULATED FERTILIZER METERING AUGER 3/4"
SPACING 17cm – VALUE IN Kg/ha**

DRIVE SPROCKET		DRIVEN SPROCKET					
		8 -TEETH	10 -TEETH	12 -TEETH	14 -TEETH	16 -TEETH	18 -TEETH
8 -TEETH	135	107	90	77	67	60	
10 -TEETH	168	135	112	96	84	75	
12 -TEETH	202	161	135	115	100	90	
14 -TEETH	235	188	157	135	117	105	
16 -TEETH	269	215	180	154	135	120	
18 -TEETH	303	242	202	173	151	135	



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TDNG 300 E - TDNG 300 E Seed

TDNG 300 E APPROXIMATE SEED DISTRIBUTION OF WHEAT IN Kg/ha

SCALE	DRIVE SPROCKET	DRIVEN SPROCKET				
		15 Z	17 Z	19 Z	21 Z	23 Z
30	14 Z	110	95	85	80	70
	16 Z	120	110	100	90	80
	17 Z	130	115	105	95	85
	20 Z	155	140	120	110	100
	24 Z	185	165	145	130	120
	28 Z	215	190	170	155	140
45	14 Z	170	150	135	125	115
	16 Z	195	170	155	140	130
	17 Z	205	180	160	150	135
	20 Z	240	210	190	170	160
	24 Z	280	255	230	205	190
	28 Z	330	295	265	240	220

TDNG 300 E APPROXIMATE SEED DISTRIBUTION OF OATS IN Kg/ha

SCALE	DRIVE SPROCKET	DRIVEN SPROCKET				
		15 Z	17 Z	19 Z	21 Z	23 Z
30	14 Z	65	55	50	45	40
	16 Z	70	65	60	50	45
	17 Z	75	70	60	55	50
	20 Z	90	80	70	65	60
	24 Z	110	95	85	80	70
	28 Z	125	110	100	90	80
45	14 Z	100	90	80	70	65
	16 Z	115	100	90	80	75
	17 Z	120	105	95	90	80
	20 Z	140	125	110	100	90
	24 Z	170	150	135	120	110
	28 Z	195	175	155	140	130

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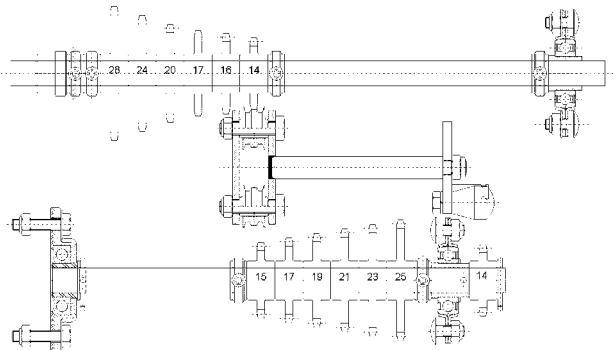
TDNG 300 E - TDNG 300 E Seed



6. TRANSMISSION SYSTEM

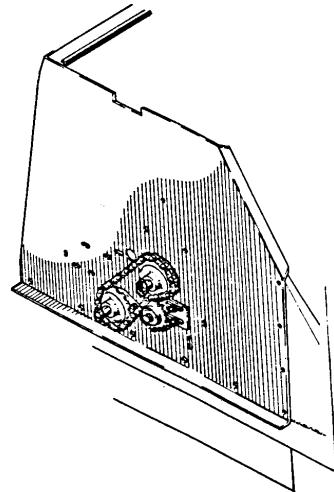
6.1 – SEED TRANSMISSION

The seed transmission system is activated by sprockets placed at the rear part in both sides of the drill. It makes possible the speed variation of the seed shaft to make easier the adjustment of the quantity of seed per hectare.



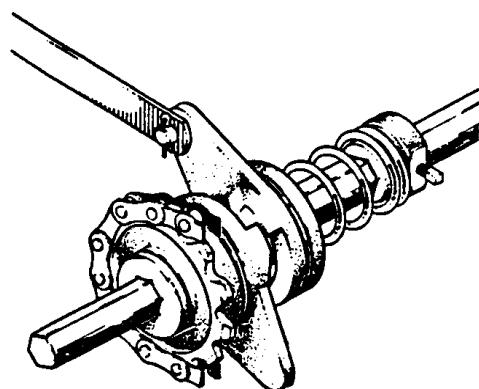
6.2 – FERTILIZER TRANSMISSION

This system is activated by sprockets place outside in both sides of the seed drill. The fertilizer metering adjustment is made by a graduated lever placed outside of the seed drill and also by changing the sprockets.



6.3 - CLUTCH

TDNG is equipped with two sprockets laterally placed in the seeding drill activates by the transmission automatically, in others words, when the seed drill starts seeding, the sprockets are automatically activated. When raising the seed drill, the sprockets stop the transmission movement.





7- MAINTENANCE

Agriculture machines require special care. They do not require only fuel and lubricants. Sometimes, a simple bolt that was not properly tightened may cause serious trouble and interrupt the operation of the machine.

These special cares with many parts of the drill is called maintenance. This represents a small cost but results in a great increase on the production.

7.1- TAKING CARE OF SOME PARTS OF TDNG 300 E

1. SPROCKETS:

- Keep the sprockets clean and properly lubricated, their useful life can increase significantly.
- The lubrication must be performed in order to eliminate the possibility of working without oil or grease.
- The lubrication must reach all surfaces of the teeth, but not in excess.
- Apply lubricant with a paintbrush.

2. CHAINS:

- Use oil to lubricate the chains. This could be made by drops, immersion or spray.
- Never put a new link between the ones already used.
- Always check the correct chain/sprocket alignment.
- In periods between one crop to another, wash the chains with kerosene or diesel. Immerse them for 24 hours in a thin oil. After that, dry out the excess.

3. BOLTS AND NUTS:

- A broken bolt could loose up an expensive part that can probably break or twist, damaging others. A piece of broken bolt or nut could fall among the parts, causing damage. Retighten the bolts and nuts daily.

4. SPRINGS:

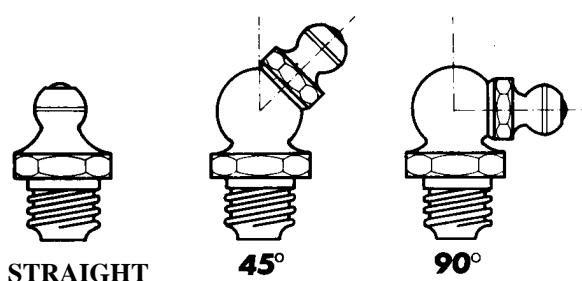
- Do not overload the springs.
- Change the springs that are damaged.
- Any attempt to fix the springs or stretch it again, it will be a waste of time.

7.2 – LUBRICATION POINTS

Lubricate the parts with the grease zerk in the recommended time. The grease zerk have different inclinations to make lubrication service easier.

Before lubricating, clean the grease zerk with a piece of cloth.

If the grease zerk are not working properly it is necessary to replace them.



Operator Manual

TDNG 300 E - TDNG 300 E Seed



LUBRICANT SUGGESTED TABLE FOR TDNG

SUPPLIER	TYPE OF GREASE
ATLANTIC	Lubricant 54
BARD AHL	Bardahl GP
CASTROL	Castrol Lm Grease
ESSO	Multipurpose Grease H
	Litholine 2
IPIRANGA	Super Graxa Ipiranga
	Ipiranga Super Graxa 2
	Isaflex 2
MOBIL OIL	Mobilgrease MP
PETROBRÁS	Lubrax GMA – 2
SHELL	Retinax A
	Retinax R2
TEXACO	Marfak MP
	Agrotex 2

7.3- PREPARATION BEFORE SEEDING SEASON

- Lubricate all parts of the seeding drill. It will avoid moisture absorption.
- Tighten all bolts and nuts.
- Check the OPERATOR'S MANUAL.

7.4- SERVICE AFTER SEEDING SEASON

- After seeding season, store the seeder in a covered area with all parts in working conditions.
- Clean all parts of the seeding drill, removing dust and impurities that can keep moisture, causing rust.
- Remove seed tubes, clean and store them in a separate place.
- Wash the chains with kerosene or diesel.
- Lubricate the seeding drill.
- Check the seeding drill in order to verify if there are any broken parts or excessive worn out. Replace them before operating the seeding drill.

7.5- FERTILIZER BOX

IMPORTANT:

When the work is finish, leave the fertilizer box loaded with at least 1/5 of the fertilizer box capacity, in order to all fertilizer meter mechanism to stay covered with fertilizer.



Operator Manual

TDNG 300 E - TDNG 300 E Seed

It is recommended to proceed this way, because at night the air gets colder and condenses inside the fertilizer box producing moisture on a thin layer of fertilizer. Next morning, put 2 bags of dry fertilizer inside the fertilizer box and mix it well with the fertilizer left before starting seeding.

This procedure will avoid that the star feed wheel, augers and others distribution parts are wet in the morning, when is refilling, resulting in wet fertilizer staked on the star feed wheel and augers causing distribution irregularities.

- Verify daily the fertilizer drop and dry clean it regularly, all fertilizer box and others fertilizer meter components.

- Depending on the type of fertilizer used, it can get stacked in the feed cup and fertilizer tubes, blocking them. Clean them when necessary.

To make a total cleaning in the fertilizer box, at the end of the season, follow the instructions above:

1. Remove the transmission protections and pull the edge of the fertilizer shaft, after loose the latches on the fertilizer box bottom to articulate and cleaning.

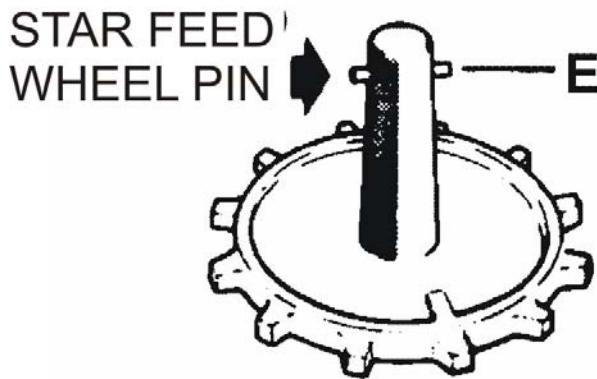
2. Remove the star feed wheels, turning it until it releases from the pinion.

3. Remove all fertilizer left above the star feed wheels. Do not apply oil or grease on the star feed wheels, because it can occur more adhesion of fertilizer on it, stopping movement.

NOTE: Observe the pin (**E**) of the star feed wheel. If it is broken replace it.

4. Replace the removed parts, inverting the operation sequence. Adjust the adjusters if necessary.

5. Every morning, before operate the drill, activate the fertilizer distribution mechanism to make sure that it is working well.



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8- TROUBLESHOOTING

Problem	Solution
Double disks not turning freely	<p>Check for trash or mud on the disk scrapers. Readjust the scrapers.</p> <p>Check if the scrapers are too tight, restricting disk movement. Readjust the scrapers.</p> <p>Check the disk bearings.</p> <p>Check the opener frame for possible damage.</p> <p>Check if the opener disks turn freely by hand but not in field. If so, reduce down pressure on openers.</p> <p>Check the press-wheel adjustment for seeding depth.</p>
Drill seeding too deep	<p>Change the press-wheel setting.</p> <p>Remove the weight from hitch.</p>
Coulters not going deep enough	<p>Retract the tongue cylinder.</p> <p>Add weight to hitch frame.</p> <p>Too much weight is being used by openers; set drill openers to lightest spring setting.</p> <p>Shorten the coulter spring to increase down pressure.</p>
Actual seeding metering is different than desire	<p>Check the tire pressure.</p> <p>Check the tire size.</p> <p>Check for build-up of seed treatment in seed cup. Disassemble the cups and the scrape off any build-up.</p> <p>Check the seed-rate setting. Seeding rates will vary with seed weight and size.</p>
Uneven seeding depth	<p>Check if the openers have sufficient down pressure</p> <p>Check the gauge wheel.</p>
Press wheel not compacting soil as desire	<p>Reset the press wheel depth.</p> <p>Increase down pressure on the openers.</p>
Seed tubes obstructions	Use cleaned seeds.



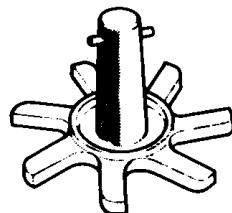
Operator Manual

TDNG 300 E - TDNG 300 E Seed

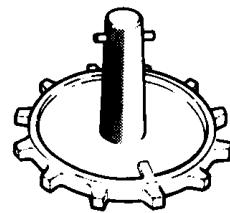
9- OPTIONALS

9.1- STAR FEED WHEEL FOR FERTILIZER METERING

TDNG leaves the factory with 12 teeth star feed wheel for fertilizer metering, but to increase the versatility, it could be assembled, as optional, the 7 teeth star feed wheel to increase fertilizer output and the 12 short teeth star feed wheel to reduce fertilizer output.



STAR FEED WHEEL
07 TEETH
15.08.11.01

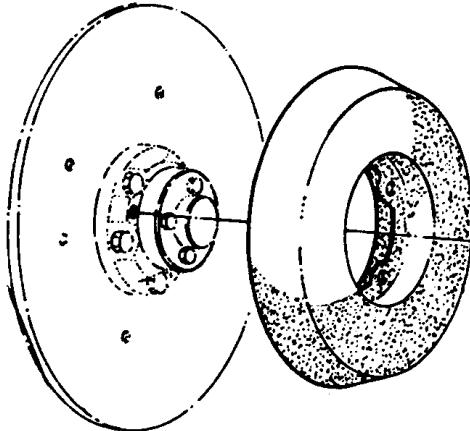


STAR FEED WHEEL
12 TEETH
15.08.10.01

9.2- DEPTH CONTROL RING

There are three depth control rings available:

25070012 – Used on 15" and 16" dephased furrow opener disk, keeping the depth constant of 40mm, used also on 14.1/2" and 15" offset disk keeping 40mm of depth.



25070013 – used on 15" and 16" dephased furrow opener disk, keeping the depth constant of 25mm, used also on 14.1/2" and 15" offset disk keeping 25mm of depth.

25070050 – used on 15" and 16" dephased furrow opener disk, keeping constant depth of 60mm.

IMPORTANT:

* To obtain a constant depth of 25, 40 or 60mm it is necessary that the discs are new. The more disks are worn-out, the less is seeding depth.

Operator Manual

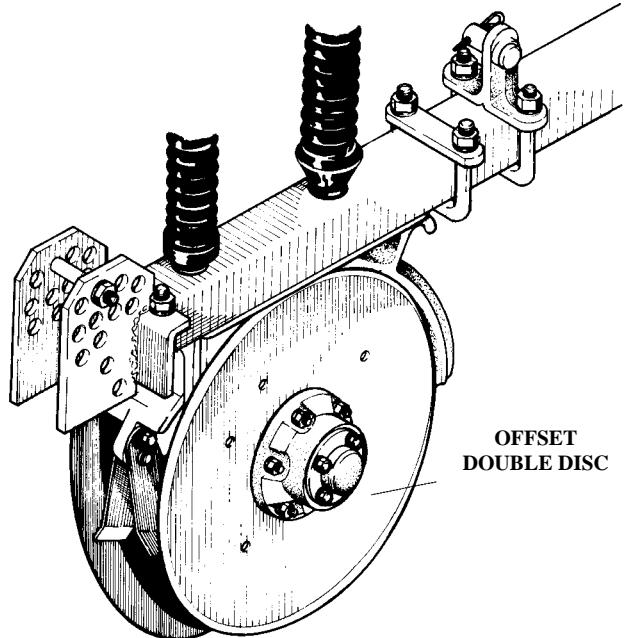
TDNG 300 E - TDNG 300 E Seed



SUPERFICIAL FERTILIZER METERING

Equipped with:

- Offset Double Disk Opener of 15" and 14.1/2".

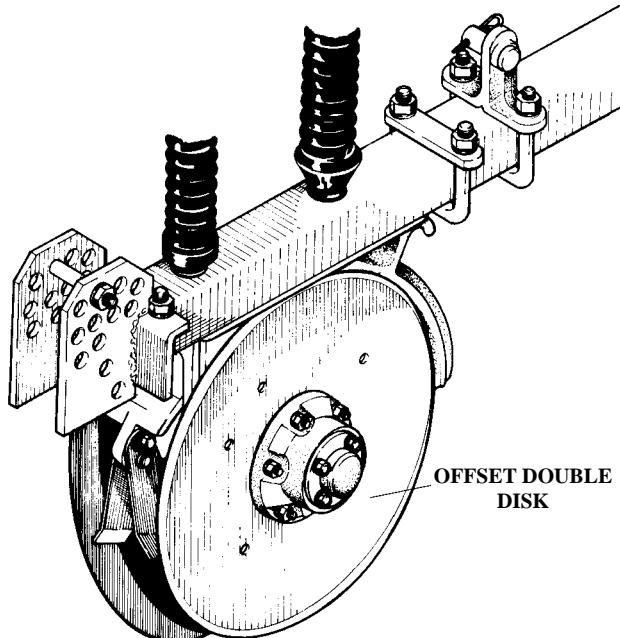


9.3 – WHEAT ROWS

NO-TILL OF WHEAT

Equipped with:

- Offset Double Disk Opener of 15" and 14.1/2"





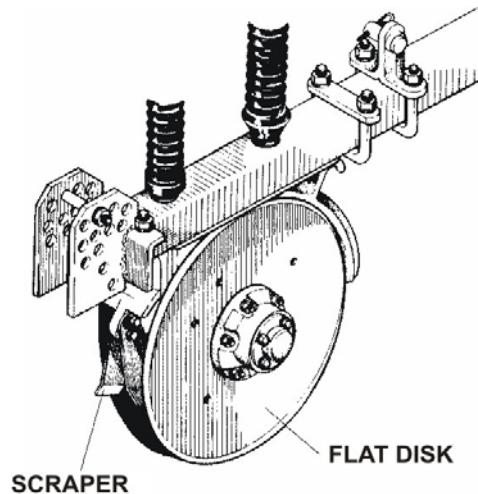
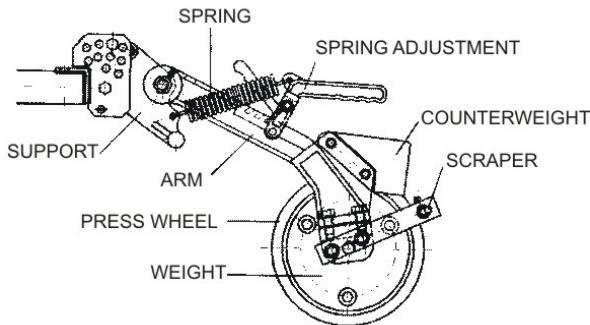
Operator Manual

TDNG 300 E - TDNG 300 E Seed

NO-TILL OF WHEAT

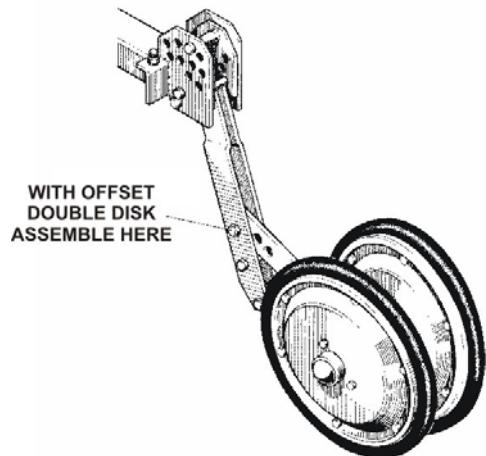
Equipped with:

- Dephased Double Disk Opener of 15" and 16".
- Cast NG Press Wheel.



OBSERVATIONS:

- In the seed drills with fluctuant press wheel, it should be assembled at the wheel's support in the first hole to avoid interference of the press wheels on the dephased or offset disks.

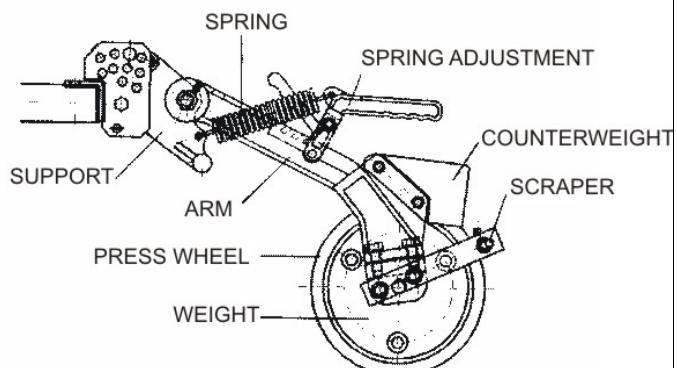


9.4 – RICE SEEDING ROW

NO-TILL OF RICE

Equipped:

- Dephased Double Disk Opener of 15" and 16".
- Cast NG Press Wheel.



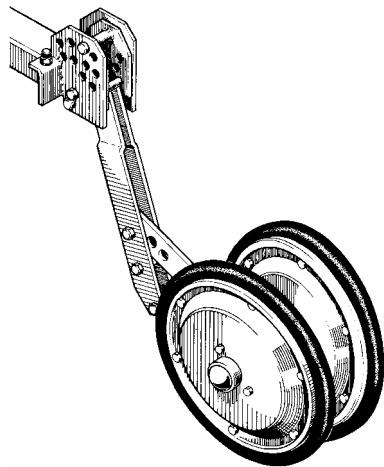
Operator Manual

TDNG 300 E - TDNG 300 E Seed

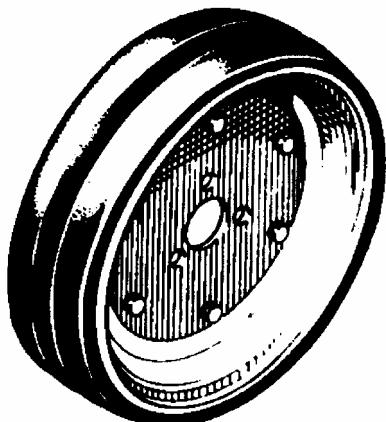


9.5 – PRESS WHEELS

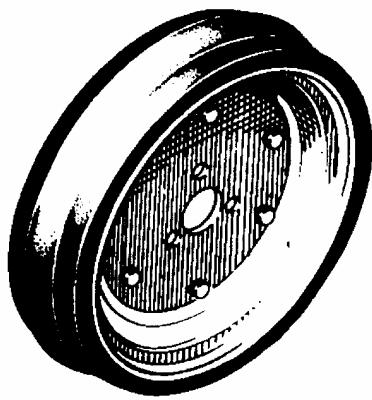
**FLUCTUANT
PRESS WHEEL
1514000**



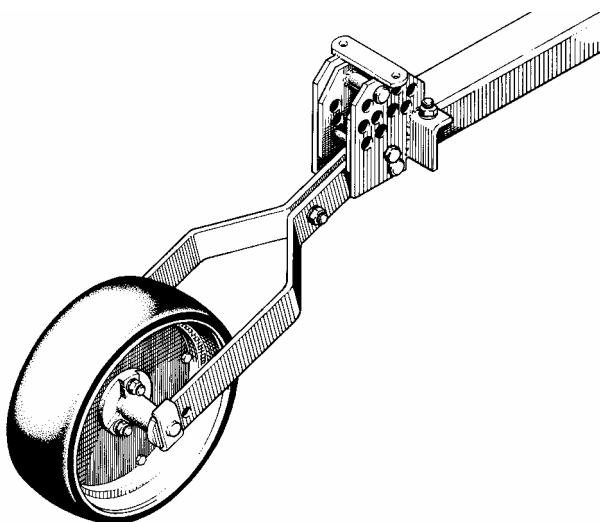
**CONCAVE PRESS WHEEL
15107200**



**CONVEX PRESS WHEEL
15107100**



FLAT PRESS WHEEL



Parts Catalog

TDNG 520 AND TDNG 520 Seed



CATÁLOGO

DE

PEÇAS





Parts Catalog

TDNG 520 AND TDNG 520 Seed

THE PRESENT PARTS CATALOG COMPRIMES THE DRAWING, THE CODE AND THE DENOMINATION OF EACH OF TDNG'S PARTS, MAKING IT EASIER TO IDENTIFY AND TO RECOGNIZE THEM WHEN BUYING AND REPLACING.

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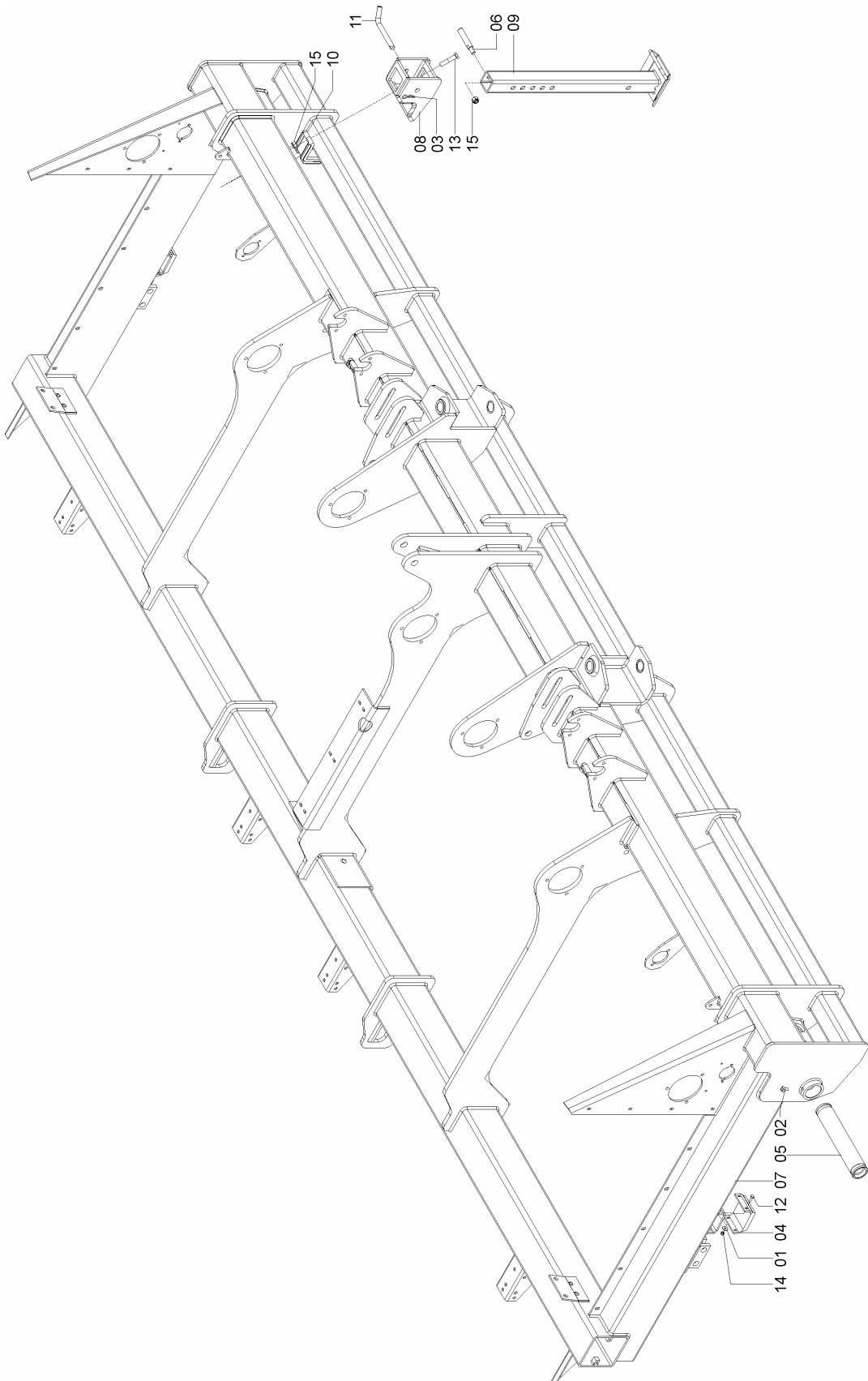
IMPORTANT: SEMEATO RESERVES THE RIGHT TO MODIFY OR ENHANCE ANY OF ITS PRODUCTS WITHOUT PREVIOUS NOTE AND WITHOUT HAVING THE RESPONSABILITY OR THE COMMITMENT TO MODIFY THE PRODUCTS PREVIOUSLY MANUFACTURED.



Parts Catalog

TDNG 520 AND TDNG 520 Seed

25015500 - FRAME



Parts Catalog

TDNG 520 AND TDNG 520 Seed



25015500 - FRAME

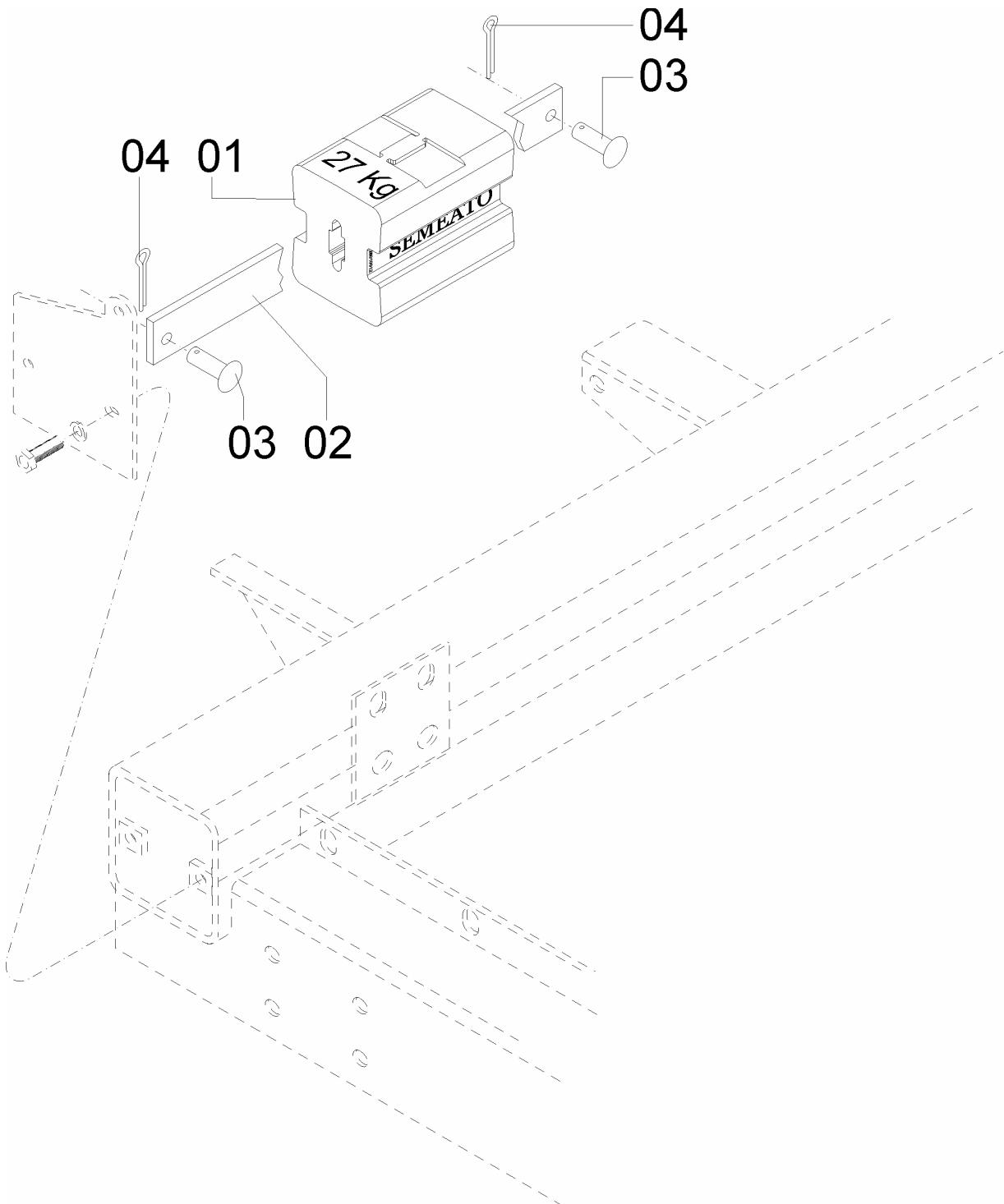
REF. CODE	DENOMINATION	QT./CJ
01 01020010	PLAIN WASHER	8
02 03100024	12X20 KNULED SCREW	4
03 15070001	CLAMP	2
04 25010001	STOP RUBBER	2
05 25010009	SHAFT TUBE	2
06 25010010	HANDLE	2
07 25012100	TDNG520's FRAME	1
08 25012200	PARKING STAND SUPPORT	2
09 25012300	PARKING STAND	2
10 28160001	SUPPORT'S CLAMP	2
11 28380019	GREATER PIN	2
12 818808025	M 8X25 8.8 HEXAGONAL HEAD SCREW.....	8
13 818816075	M 16X75 8.8 HEXAGONAL HEAD SCREW	4
14 82000708	M8 DS SELF-LOCKING NUT	8
15 82000716	M16 DS SELF-LOCKING NUT	6

Parts Catalog



TDNG 520 AND TDNG 520 Seed

25245101 - TDNG 520's COUNTERWEIGHTS



Parts Catalog

TDNG 520 AND TDNG 520 Seed



25245200 - TDNG 520 SEED's COUNTERWEIGHTS

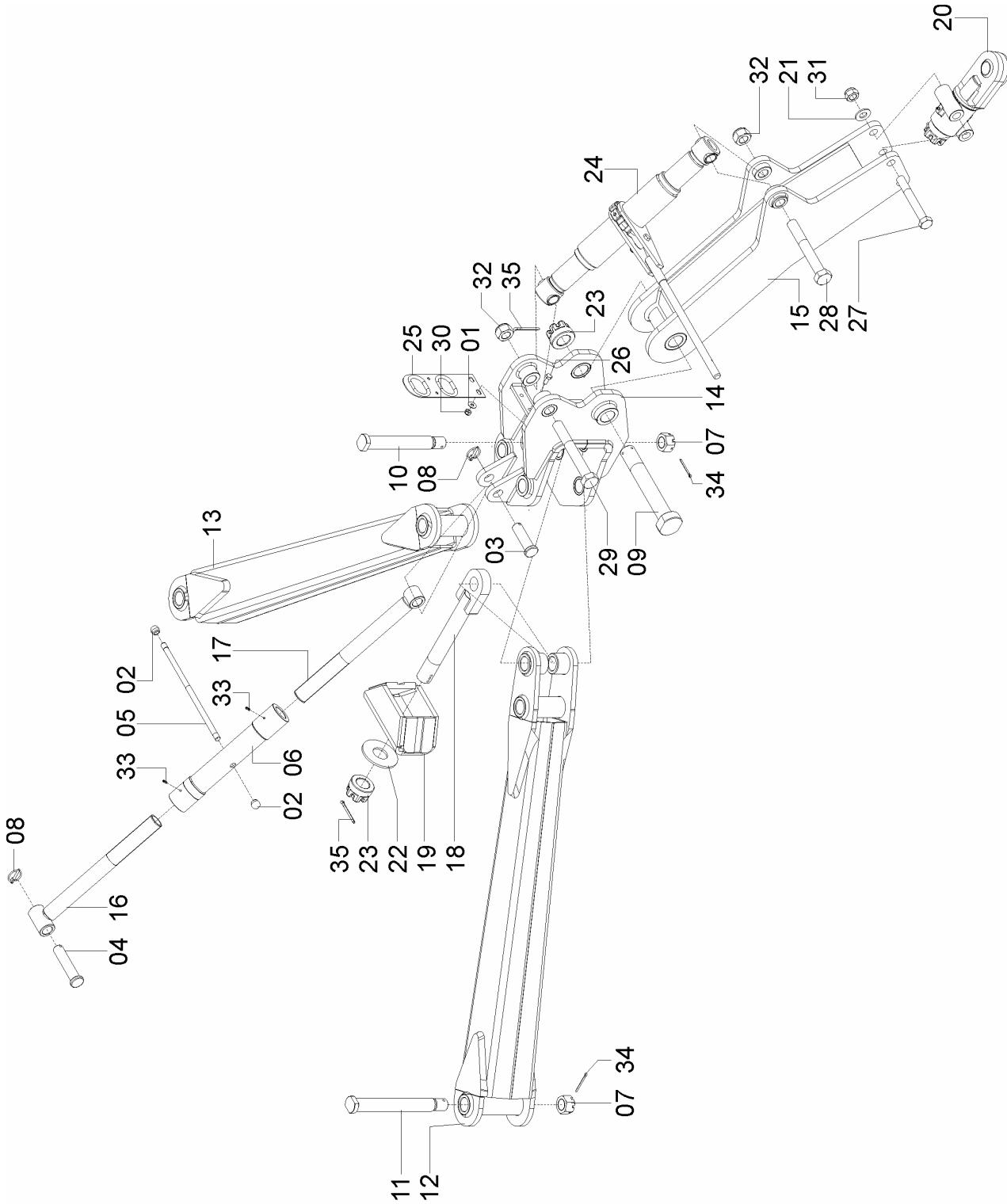
REF.	CODE	DENOMINATION	QT.CJ.
01	28010012	COUNTERWEIGHT.....	26
02	25010011	COUNTERWEIGHT'S SUPPORT.....	3
03	05010041	SMALLER PIN	4
04	85001035	3/32" X 1" COUNTERPIN	4



Parts Catalog

TDNG 520 AND TDNG 520 Seed

25025600 – DRAWBAR WITH ROTARY HITCH



Parts Catalog

TDNG 520 AND TDNG 520 Seed



25025600 – DRAWBAR WITH ROTARY HITCH

REF. CODE	DENOMINATION	QT./CJ
01 01030053	PLAIN WASHER	2
02 15030002	HANDLE	2
03 15030006	SMALLER PIN	1
04 15030007	GREATER PIN	1
05 15030008	STRETCHER SHANK	1
06 15031000	UNSTRETCHER	1
07 15040015	CASTLE NUT	5
08 18010011	1/4 X 2 LOCK PIN	2
09 25020014	M45 X 30 SCREW.....	1
10 25020015	DRAWBAR SCREW	3
11 25020016	DRAWBAR SCREW	2
12 25021900	GREATER TUBE	1
13 25022000	SMALLER TUBE	1
14 25022100	INTERMEDIATE HITCH	1
15 25022200	BASE	1
16 25022400	RIGHT FUSE	1
17 25022500	LEFT FUSE	1
18 25022600	FUSE	1
19 25022700	WEDGE	1
20 25025700	TDNG520's ROTARY HITCH	1
21 28040016	PLAIN WASHER	2
22 42030021	PLAIN WASHER	1
23 56060015	CASTLE NUT	2
24 56065002	TENSOR	1
25 58025004	HOSES HITCH	1
26 818810025	M 10X25 8.8 HEXAGONAL HEAD SCREW.....	2
27 818824180	M 24X180 8.8 HEXAGONAL HEAD SCREW.....	2
28 818830220	M 30X220 8.8 HEXAGONAL HEAD SCREW	1
29 818830230	M 30X230 8.8 HEXAGONAL HEAD SCREW	1
30 82000710	M10 DS SELF-LOCKING NUT	2
31 8200072408	DIN985 MA24-8 HEXAGONAL NUT	2
32 8200163008	DIN985 MB30-8 HEXAGONAL NUT.....	2
33 84300618	6X1 STRAIGHT GREASE FITTING.....	2
34 85001655	3/16" X 2 1/2" COUNTERPIN.....	5
35 85001859	1/4" X 3" COUNTERPIN.....	2

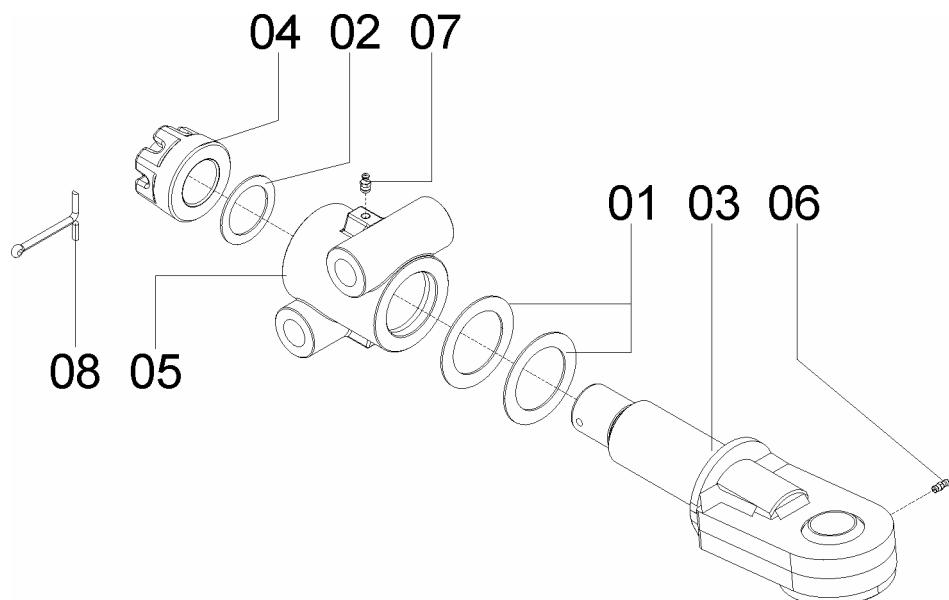


Parts Catalog

TDNG 520 AND TDNG 520 Seed

25025700 - TDNG 520's ROTARY HITCH

REF.	CODE	DENOMINATION	QT./CJ
01	01030019	PLAIN WASHER	2
02	01040042	PLAIN WASHER	1
03	25022300	HITCH SUPPORT	1
04	56060015	CASTLE NUT	1
05	58020019	DRAWBAR BEARING	1
06	84300618	6X1 STRAIGHT GREASE FITTING	1
07	84300818	8X1,25 STRAIGHT GREASE FITTING	1
08	85001859	1/4X3 COUNTERPIN	1



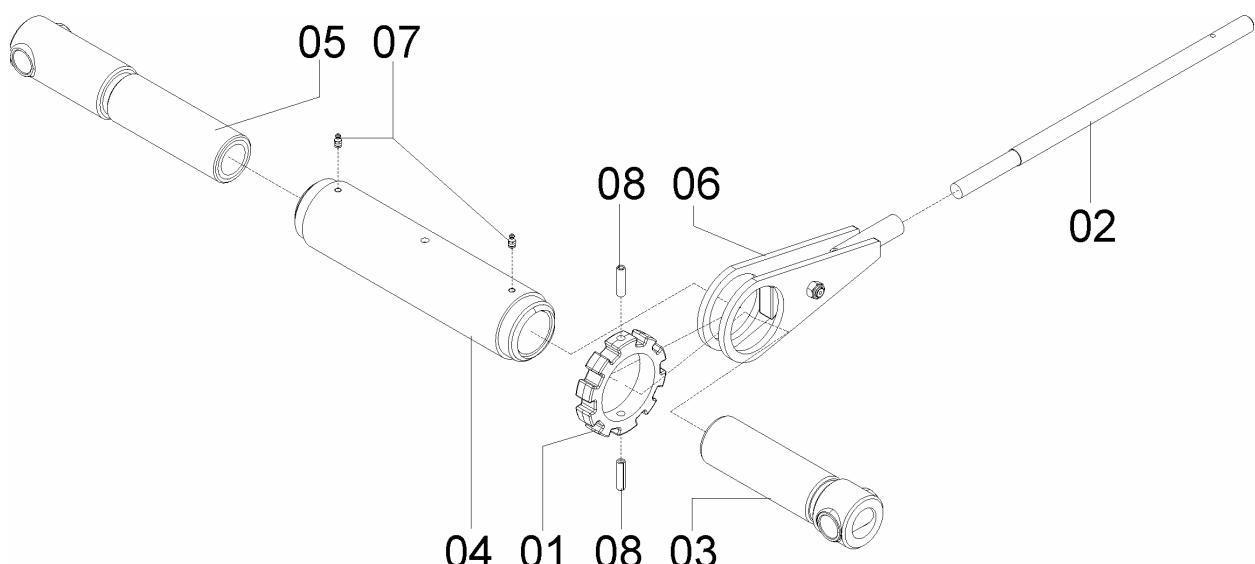
Parts Catalog

TDNG 520 AND TDNG 520 Seed



56065402 - TENSOR

REF.	CODE	DENOMINATION	QT./CJ.
01	56060003	ESTRELA DO DESTORCEDOR	1
02	56060004	SHANK's BAR	1
03	56060500	LEFT FUSE	1
04	56060600	UNSTRETCHER.....	1
05	56061800	RIGHT FUSE	1
06	56065403	SHANK	1
07	84300818	8X1,25 STRAIGHT GREASE FITTING.....	2
08	92010140	10X40 ELASTIC PIN	2

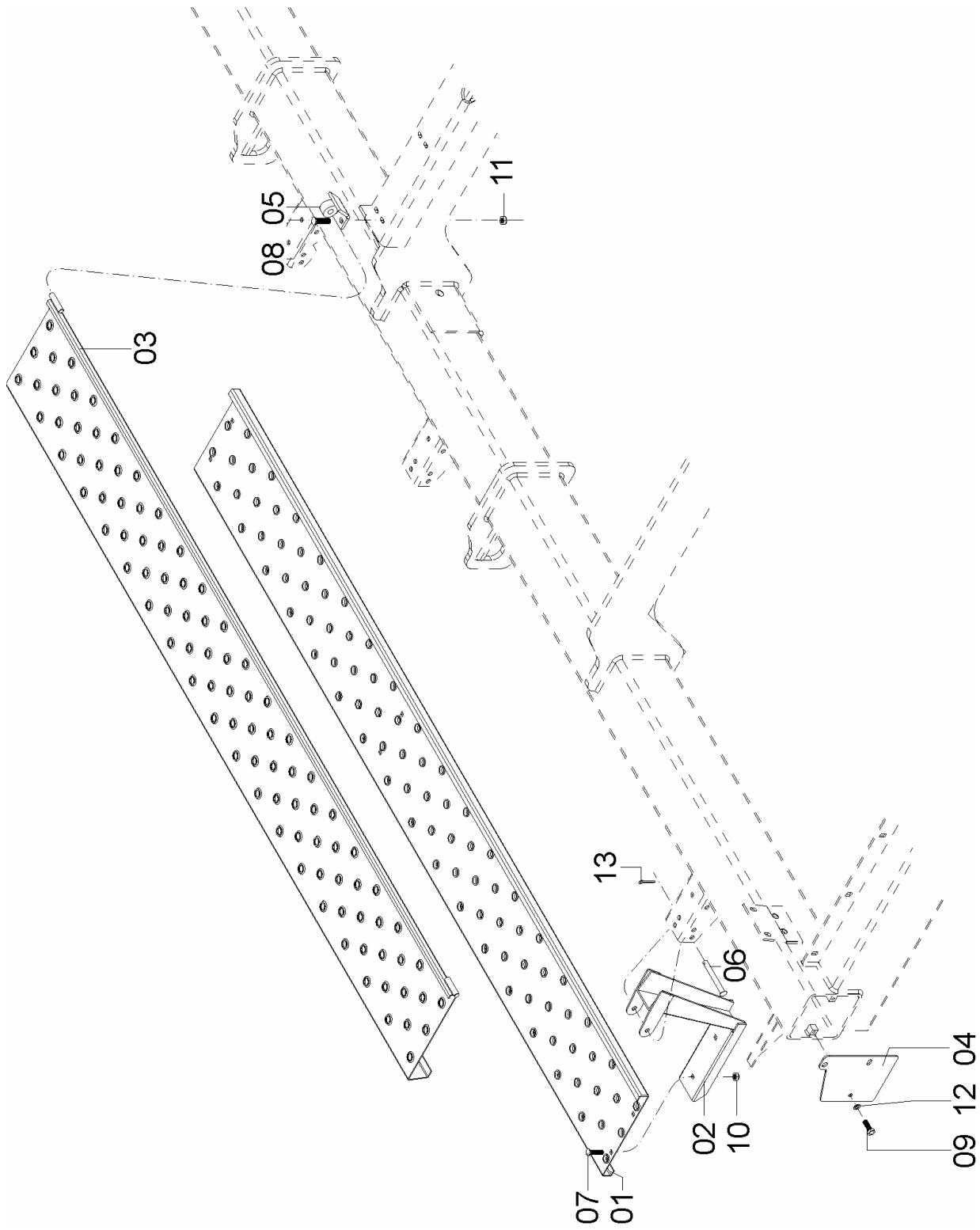


Parts Catalog



TDNG 520 AND TDNG 520 Seed

25115400 - PLATFORM



Parts Catalog

TDNG 520 AND TDNG 520 Seed



25115400 - PLATFORM

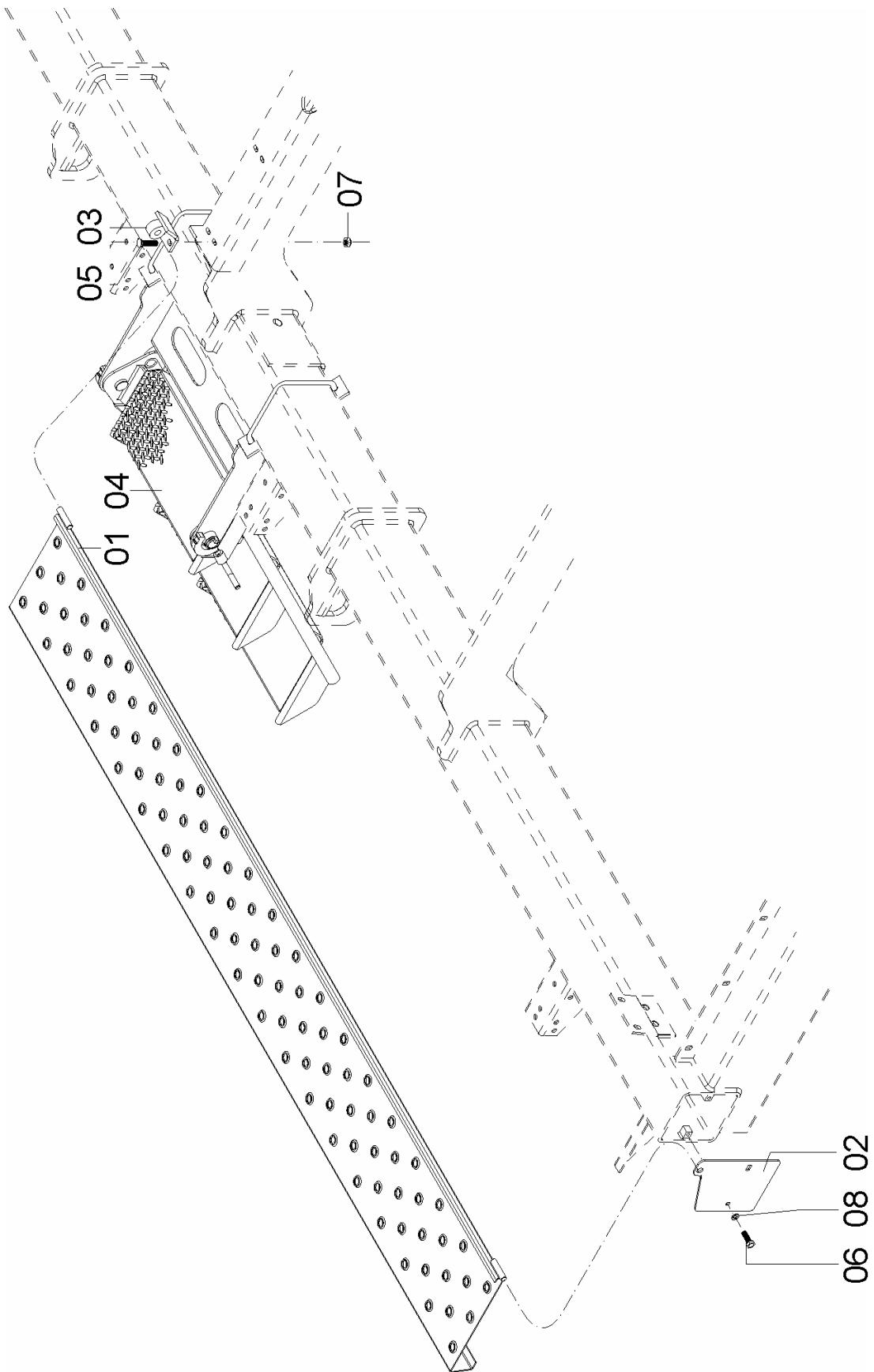
REF. CODE	DENOMINATION	QT./ CJ.
01 25110020	LOWER PLATFORM PLATE	2
02 25110200	LOWER PLATFORM SUPPORT	4
03 25111700	UPPER PLATFORM.....	2
04 25112100	RIGHT LID	1
04 25112200	LEFT LID	1
05 25112300	PLATFORM SUPPORT.....	1
06 36160047	PIN.....	4
07 816810020	M 10X20 (8.8) CHEESE-HEADED SCREW	8
08 816812040	M 12X40 (8.8) CHEESE-HEADED SCREW	2
09 818708020	M 8X20 HEXAGONAL HEAD SCREW	4
10 82000710	M10 DS SELF-LOCKING NUT.....	8
11 82000712	M12 DS SELF-LOCKING NUT.....	2
12 83010108	M 8 PRESSURE WASHER	4
13 85001635	3/16"X1" COTTERPIN.....	4

Parts Catalog



TDNG 520 AND TDNG 520 Seed

25116500 - TDNG 520's PLATFORM – EUROPE



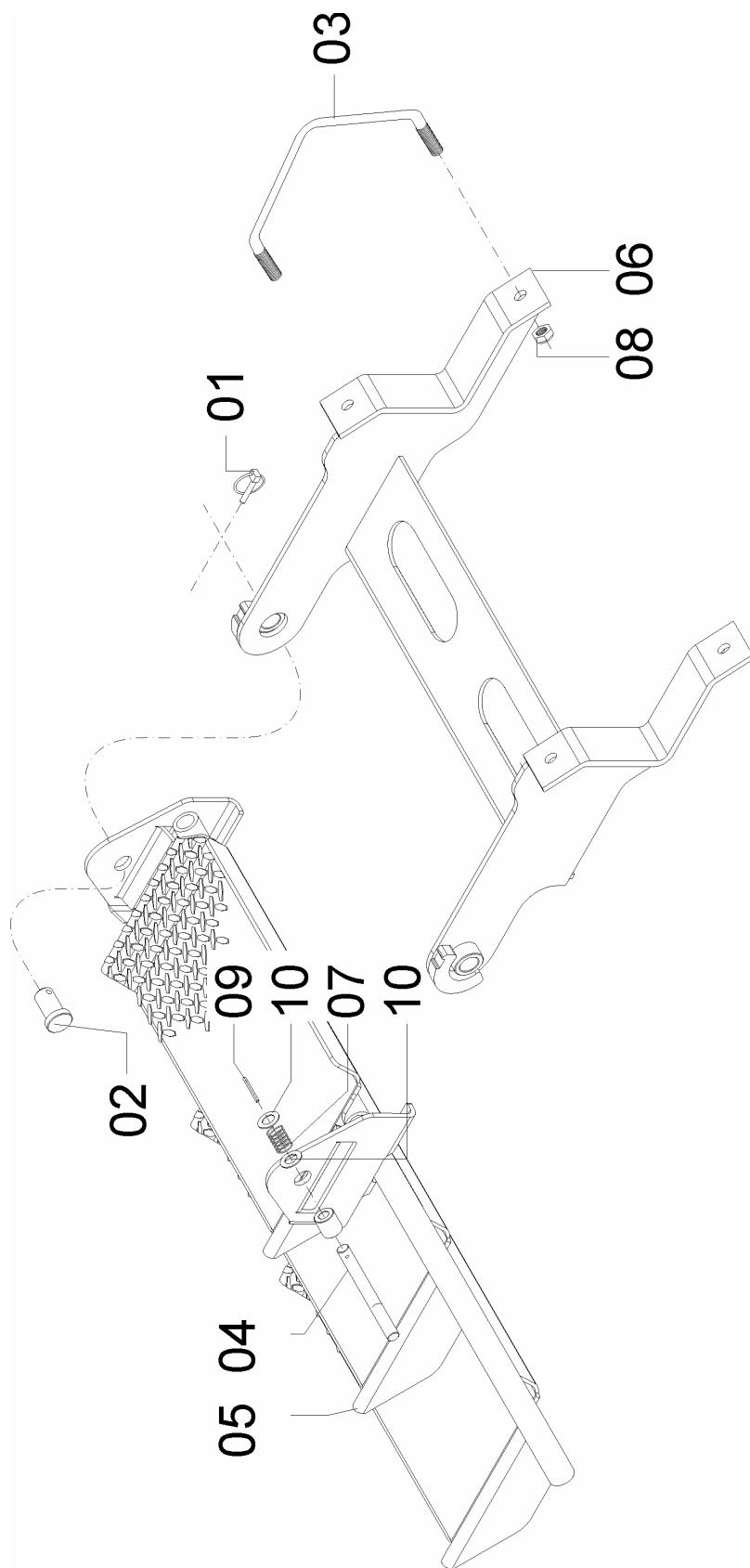
Parts Catalog

TDNG 520 AND TDNG 520 Seed



25116500 - TDNG 520's PLATFORM – EUROPE

REF.	CODE	DENOMINATION	QT./ CJ.
01	25111700	UPPER PLATFORM	2
02	25112100	RIGHT LID.....	1
02	25112200	LEFT LID	1
03	25112300	PLATFORM SUPPORT	1
04	25115601	LADDER.....	1
05	816812040	M 12X40 (8.8) CHEESE-HEADED SCREW.....	2
06	818708020	M 8X20 HEXAGONAL HEAD SCREW	4
07	82000712	M12 DS SELF-LOCKING NUT	2
08	83010108	M 8 PRESSURE WASHER.....	4

Parts Catalog**TDNG 520 AND TDNG 520 Seed****25115601 - LADDER**

Parts Catalog

TDNG 520 AND TDNG 520 Seed



25115601 - LADDER

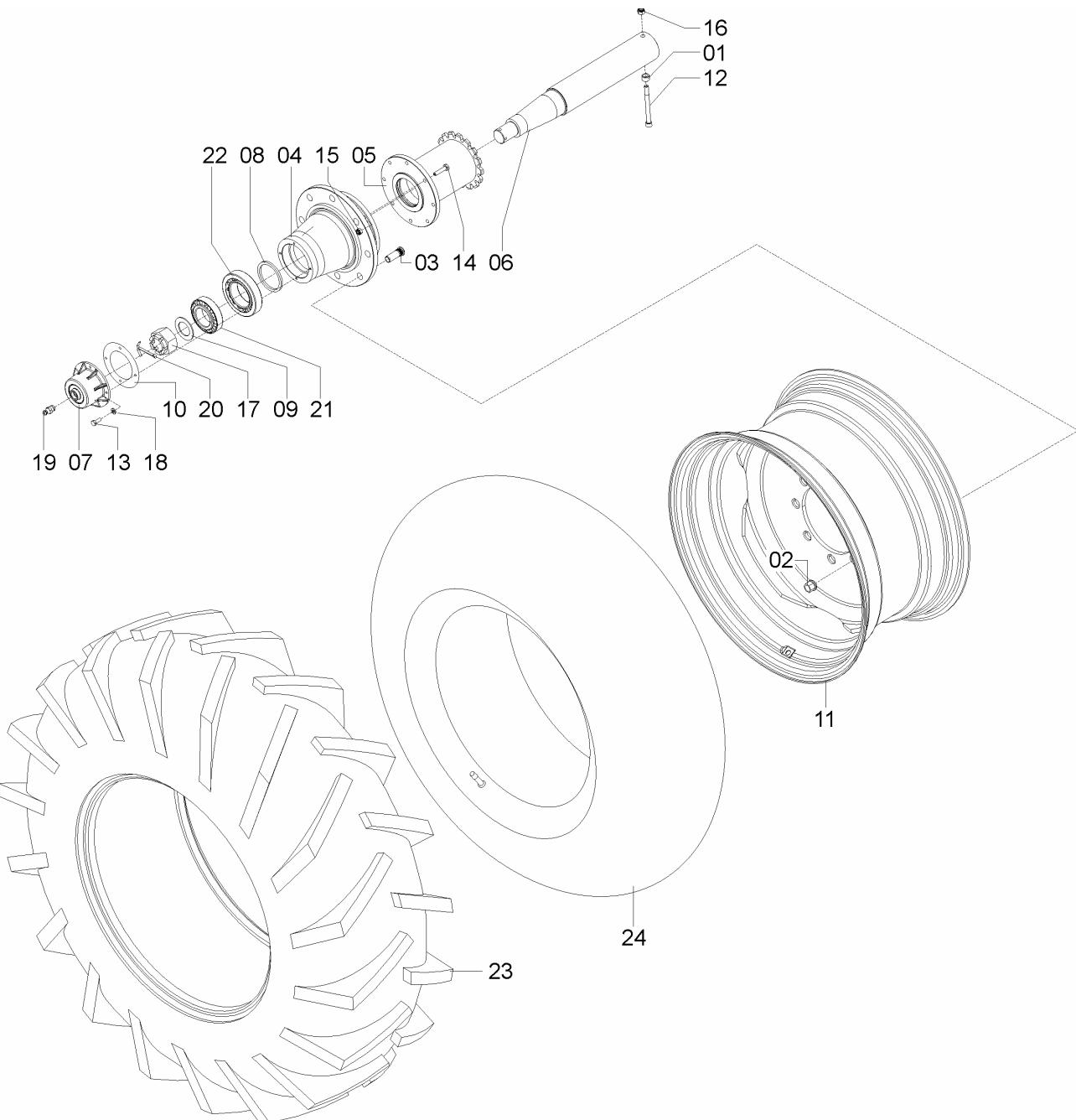
REF.	CODE	DENOMINATION	QT./ CJ.
01	18010011	1/4" X 2" LOCK PIN	2
02	25110012	LADDER's PIN	2
03	25110013	CLAMP	2
04	25110015	PIN	1
05	25111400	LADDER	1
06	25111800	LADDER SUPPORT	1
07	62320025	SPRING	1
08	82000716	M16 DS SELF-LOCKING NUT	4
09	92010520	5X20 ELASTIC PIN	1
10	62110206	WASHER	2

Parts Catalog



TDNG 520 AND TDNG 520 Seed

25035800 - WHEELS



Parts Catalog

TDNG 520 AND TDNG 520 Seed



25035800 - WHEELS

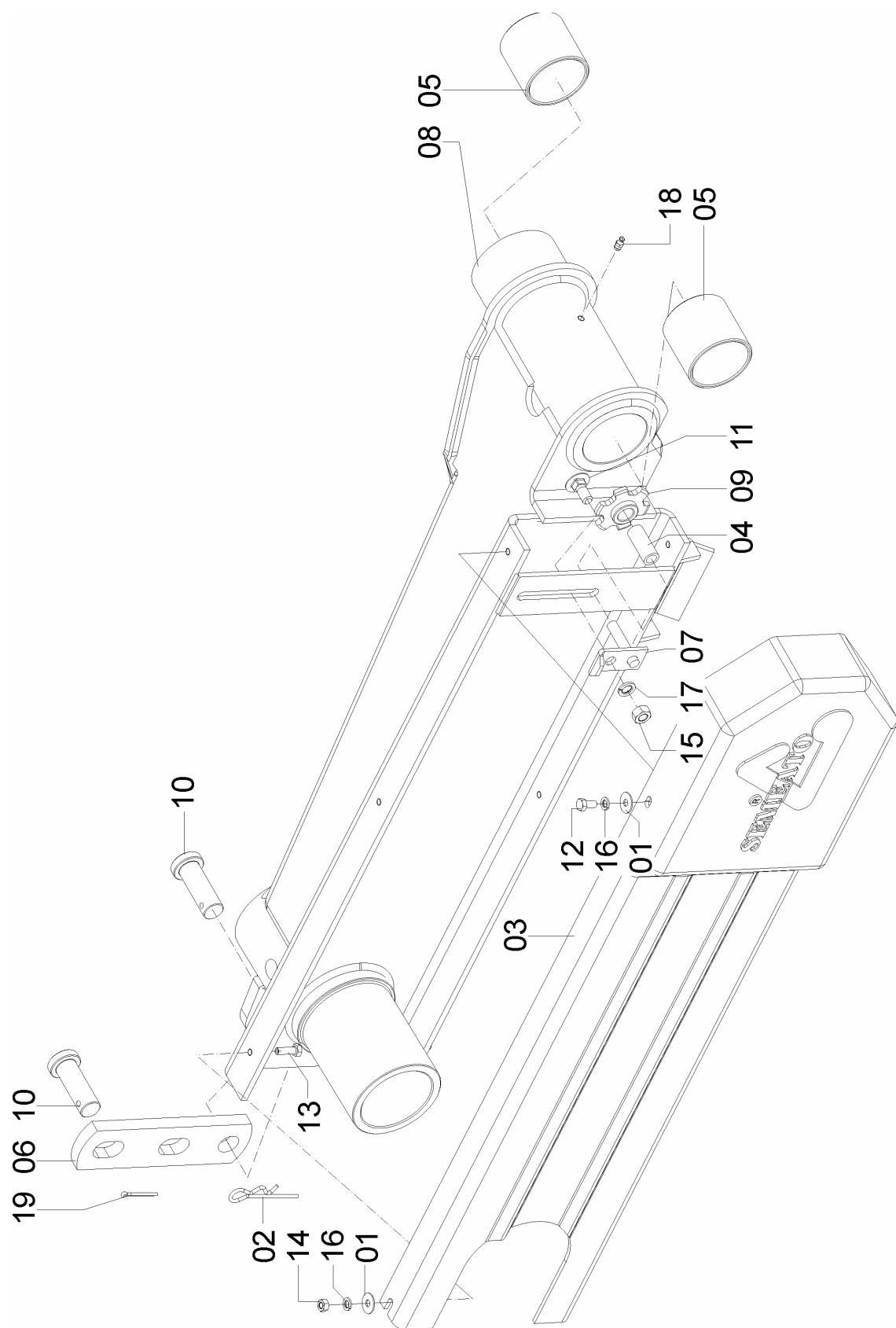
REF.	CODE	DENOMINATION	QT./CJ
01	15040001	BUSHING	2
02	25030007	M20 SPHERICAL NUT	16
03	25030008	M20 SCREW	16
04	25030017	WHEEL HUB	2
05	25030018	HUB's GEAR	2
06	25030019	STEERING KNUCKLE	2
07	25030020	WHEEL HUB	2
08	25030021	SEALING RING	2
09	25030022	WASHER	2
10	25030024	TDNG520's SEALING JOINT	2
11	25030600	RIM	2
12	811712130	12X130 CHEESE-HEADED SCREW – INNER HEXAGONAL	2
13	818806016	M 6X16 8.8 HEXAGONAL HEAD SCREW	8
14	818810045	M 10X45 8.8 HEXAGONAL HEAD SCREW	16
15	82000710	M10 DS SELF-LOCKING NUT	16
16	82000712	M12 DS SELF-LOCKING NUT	2
17	8203074508	M45-08 CASTLE NUT	2
18	83010106	M 6 PRESSURE WASHER	8
19	84300818	8X1,25 STRAIGHT GREASE FITTING	2
20	85001859	1/4X3 COTTER PIN.....	2
21	88332212	32212 CONIC ROLLER BEARING	2
22	88332216	32216 CONIC ROLLER BEARING	2
23	9301301812	18.4-30 TM95 12L. TYRE	2
24	930518430	18.4X30 AIR CHAMBER	2

Parts Catalog



TDNG 520 AND TDNG 520 Seed

25045300 – WHEEL'S ARM



Parts Catalog

TDNG 520 AND TDNG 520



25045300 WHEELS' ARM

REF.	CODE	DENOMINATION	QT./CJ.
01	01020010	1,50X8,5X24,0 PLAIN WASHER	8
02	04120001	HAIR PIN COTTER	2
03	25040002	CHAIN RIGHT PROTECTION	1
03	25040006	CHAIN LEFT PROTECTION	1
04	25040005	BUSHING	2
05	25040018	BUSHING	4
06	25040021	LOCK	2
07	25040500	FIXER	2
08	25041700	LEFT WHEEL ARM	1
08	25041800	RIGHT WHEEL ARM	1
09	35050005	6 Z GEAR	2
10	70060004	PIN	4
11	816812030	12X30 8.8 CHEESE-HEADED FRENCH SCREW	2
12	818708016	8X16 HEXAGONAL SCREW	4
13	818708025	8X25 HEXAGONAL SCREW	4
14	82050708	M8 HEXAGONAL NUT	4
15	82050712	M12 HEXAGONAL NUT	2
16	83010108	M 8 PRESSURE WASHER	8
17	83010112	M 12 PRESSURE WASHER	2
18	84300818	8X1,25 STRAIGHT GREASE FITTING	2
19	85001443	5/32X1.1/2 COTTER PIN	2

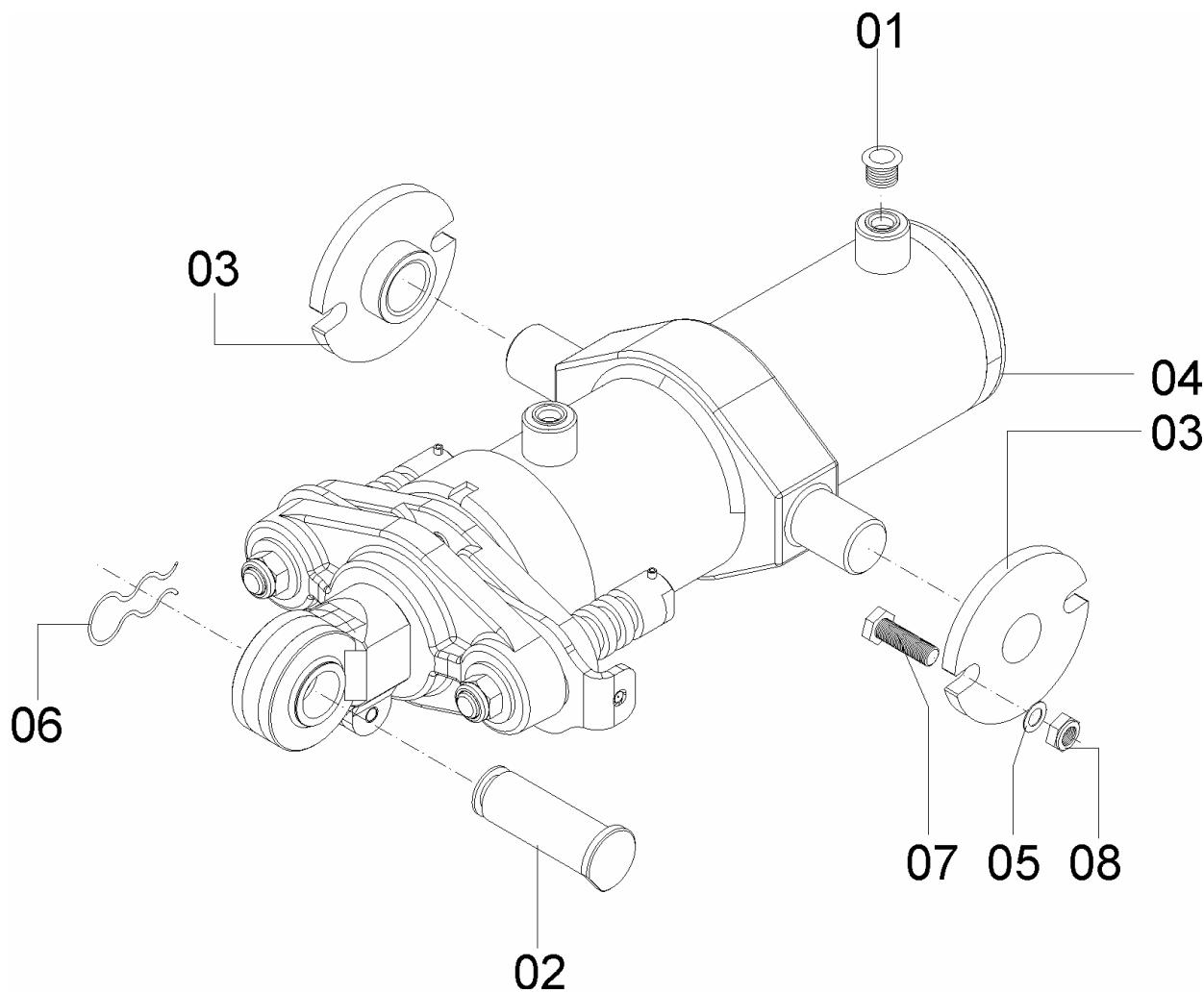


Parts Catalog

TDNG 520 AND TDNG 520

25125700 – HYDRAULIC CYLINDER - 100 mm

REF.	CODE	DENOMINATION	QT./ CJ.
01	05010102	1/2 A31 PLASTIC LID	2
02	25050018	HEADLESS PIN	1
03	25120029	BEARING FLANGE	2
04	25125705	TDNG520's HYDRAULIC CYLINDER - 100	1
05	28040023	PLAIN WASHER	4
06	28080014	LOCKING COTTER	1
07	818812050	M 12X50 (8.8) HEXAGONAL HEAD SCREW	4
08	82000712	M12 DS SELF-LOCKING NUT	4



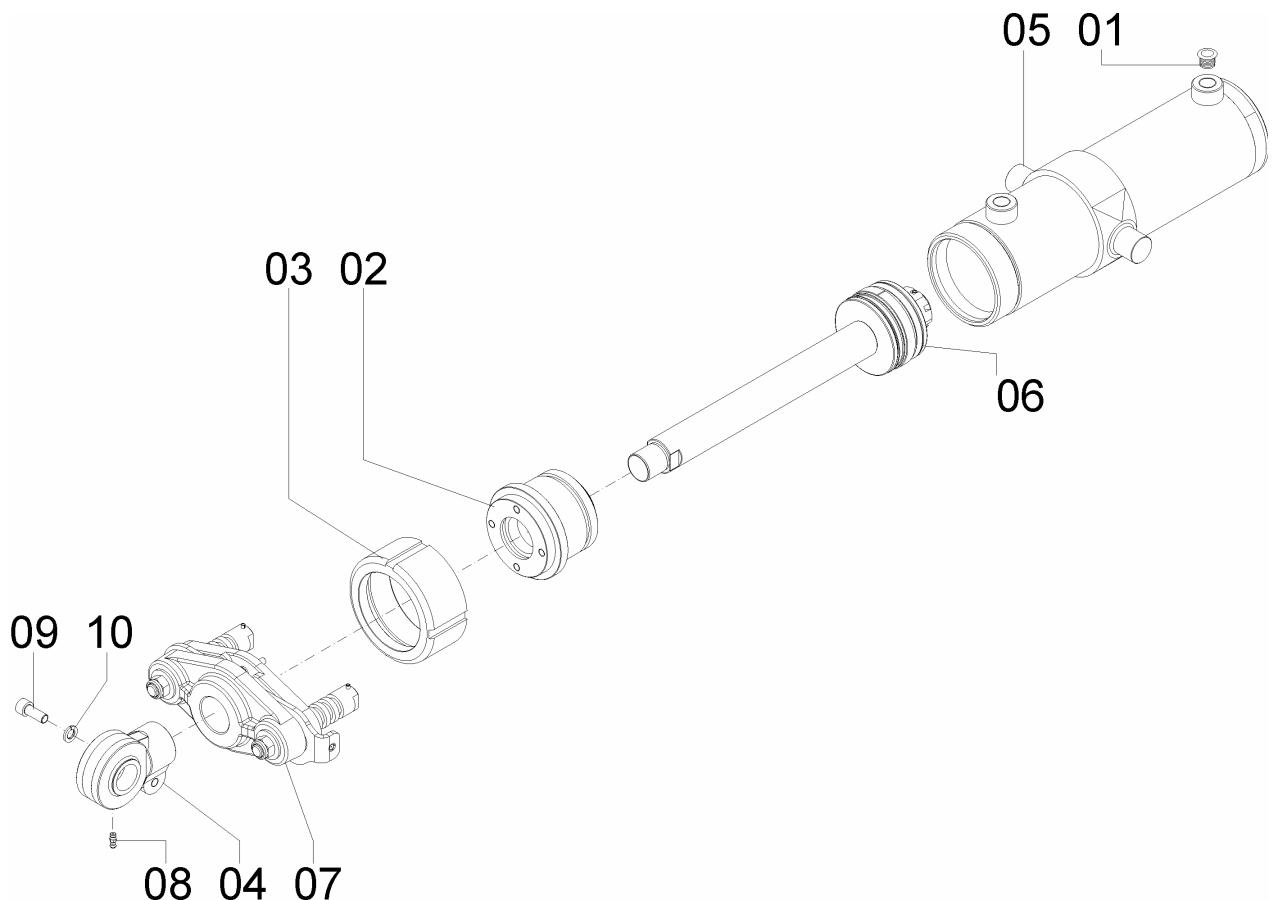
Parts Catalog

TDNG 520 AND TDNG 520



25125705 - TDNG 520's HYDRAULIC CYLINDER – 100 mm

REF.	CODE	DENOMINATION	QT./ CJ.
01	15120109	PLASTIC LID	2
02	25120018	INNER LID	1
03	25120019F	OUTER LID.....	1
04	25121700	LATTICE.....	1
05	25122100	CYLINDER LINER.....	1
06	25125701	SHANK	1
07	25125703	CYLINDER LOCK.....	1
09	811710025	M 10X25 CHEESE-HEADED SCREW – INNER HEXAGONAL.....	1
10	83010110	M 10 PRESSURE WASHER.....	1
08	84300618	6X1 A06 STRAIGHT GREASE FITTING	1
25125704	25125700 TDNG 520's CYLINDER REPAIR KIT		1



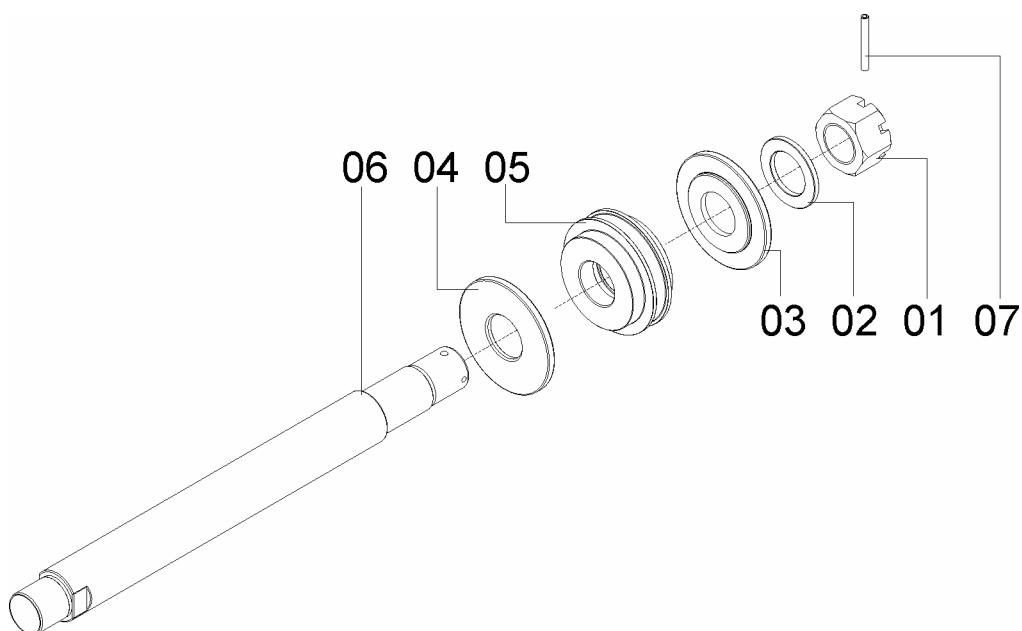


Parts Catalog

TDNG 520 AND TDNG 520

25125701 – SHANK - 100 mm

REF. CODE	DENOMINATION	QT./ CJ.
01 15040015	CASTLE NUT	1
02 25120020	PLAIN WASHER	1
03 25120021	PLUNGER's GREATER FLANGE	1
04 25120022	PLUNGER's SMALLER FLANGE	1
05 25120023	PLUNGER	1
06 25120028	SHANK	1
07 92010650	6X50 ELASTIC PIN.....	1



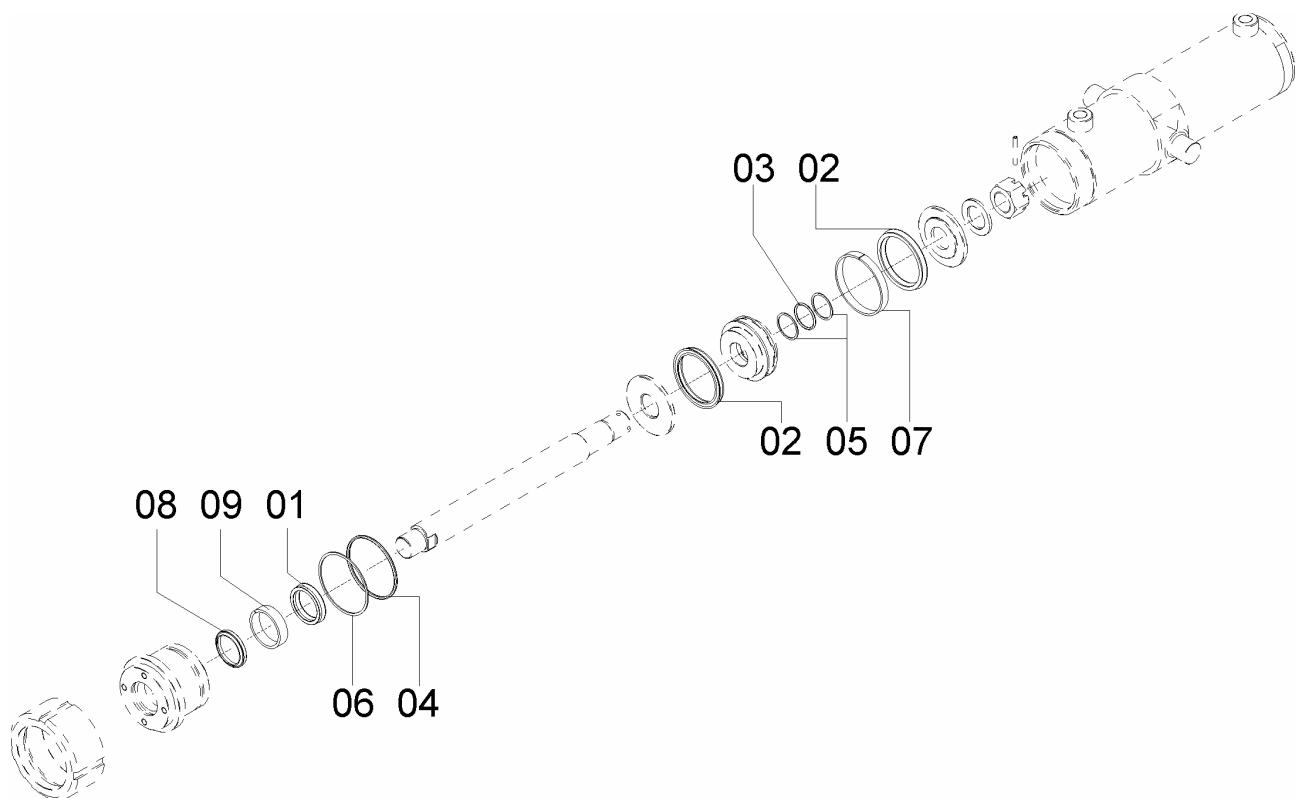
Parts Catalog

TDNG 520 AND TDNG 520



25125704 - REPAIR KIT FOR 10 mm CYLINDER

REF.	CODE	DENOMINATION	QT./ CJ.
01	86903541	GASKET - PARKER 31201750-500B	1
02	86904163	GASKET - POLIMYTE 6-39403150-3282	2
03	90112222	RING - O'RING 2-222	1
04	90112239	RING - O'RING 2-239	1
05	90158222	RING - PARBAK 8-222	2
06	90158239	RING - PARBAK 8-239	1
07	90511750	D-1750 SCRAPER RING	1
08	90520507	D.42 W2-2000-500 GUIDE RING FOR SHANK	1
09	90524050	GUIDE RING - MOLYGARD PARKER W2-4000-500	1



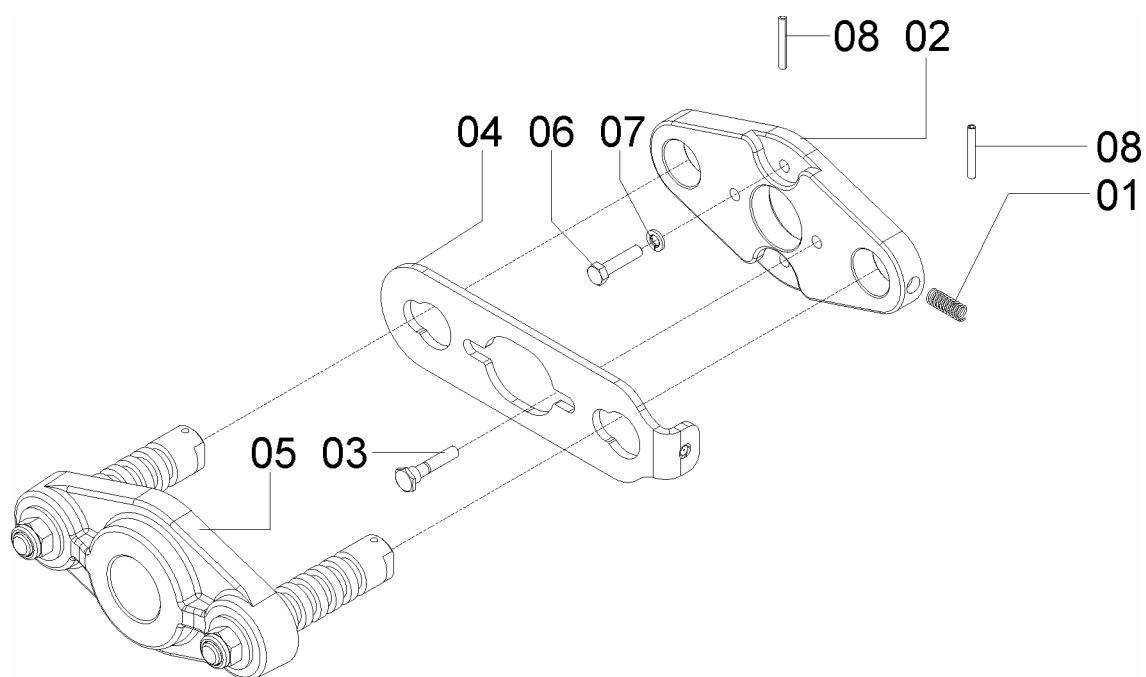
Parts Catalog



TDNG 520 AND TDNG 520

25125703 – CYLINDER LOCK

REF.	CODE	DENOMINATION	QT./ CJ.
01	15120016	SPRING	1
02	25120024	CYLINDER GUIDE	1
03	25120027	LOCK SCREW	2
04	25121800	LOCK	1
05	25125702	LOCK	1
06	818808035	M 8X35 (8.8) HEXAGONAL HEAD SCREW	2
07	83010108	M 8 PRESSURE WASHER	2
08	92010540	5X40 ELASTIC PIN.....	2



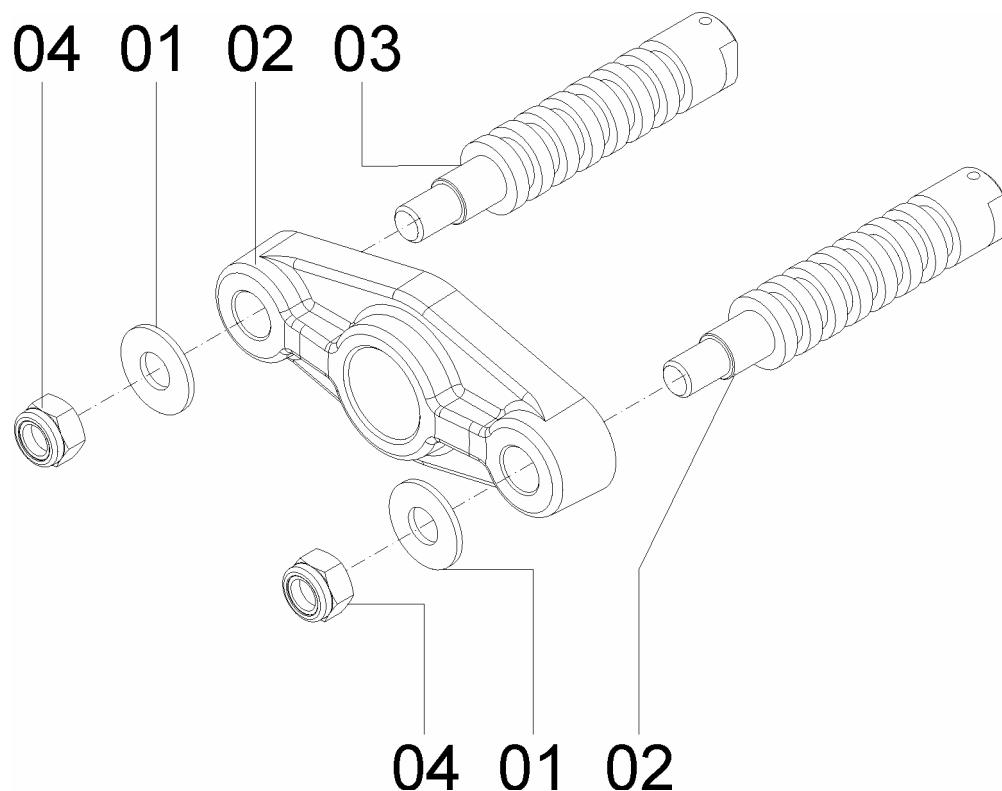
Parts Catalog

TDNG 520 AND TDNG 520



25125702 - LOCK

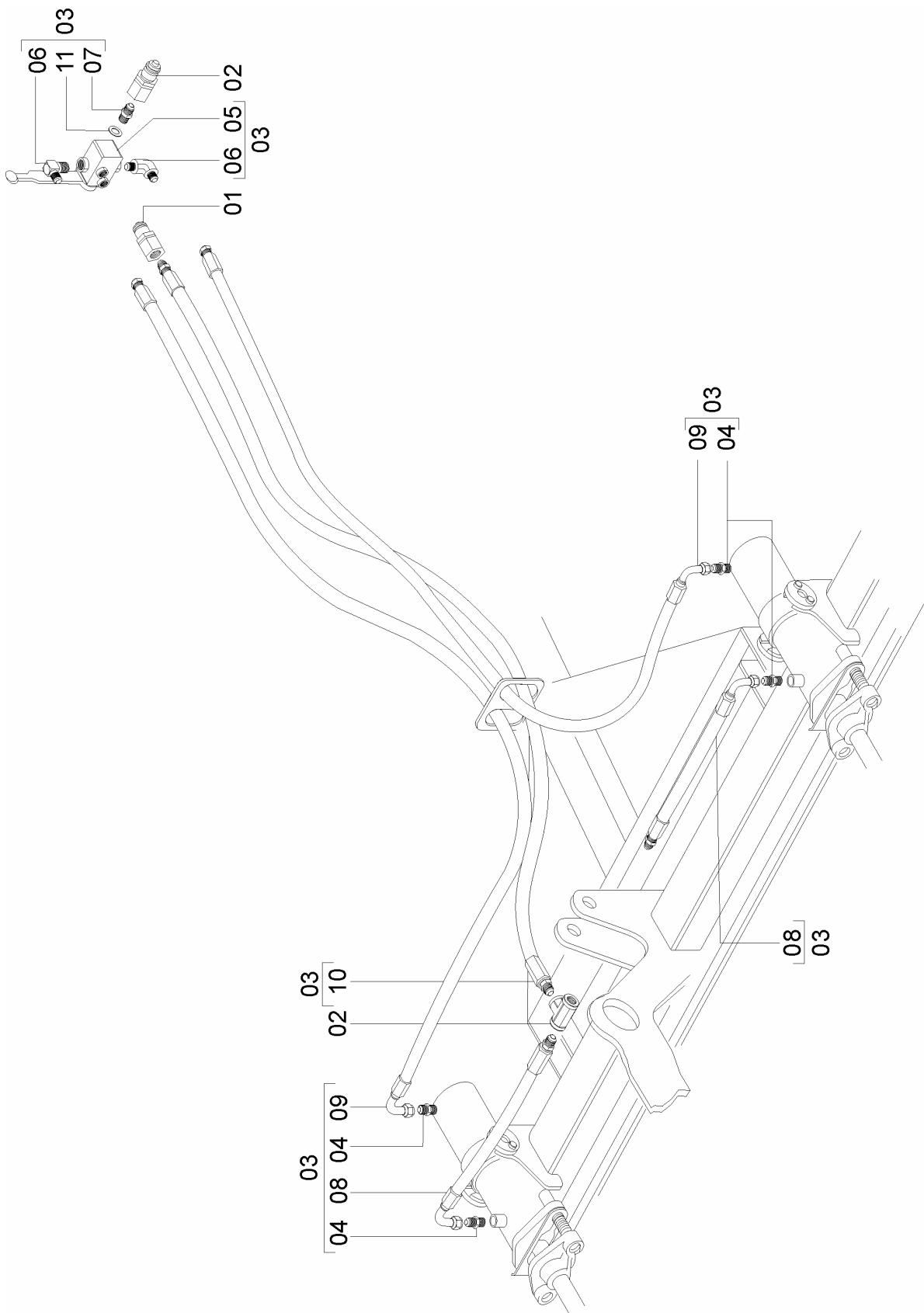
REF.	CODE	DENOMINATION	QT./ CJ.
01	15140010	PLAIN WASHER	2
02	25120025	STOP	1
03	25120026	LOCK SHAFT.....	2
04	82000716	M16 DS SELF-LOCKING NUT	2



Parts Catalog

TDNG 520 AND TDNG 520

25125900 – HYDRAULIC SYSTEM WITH SPLITTER VALVE



Parts Catalog

TDNG 520 AND TDNG 520



25125900 - HYDRAULIC SYSTEM WITH SPLITTER VALVE

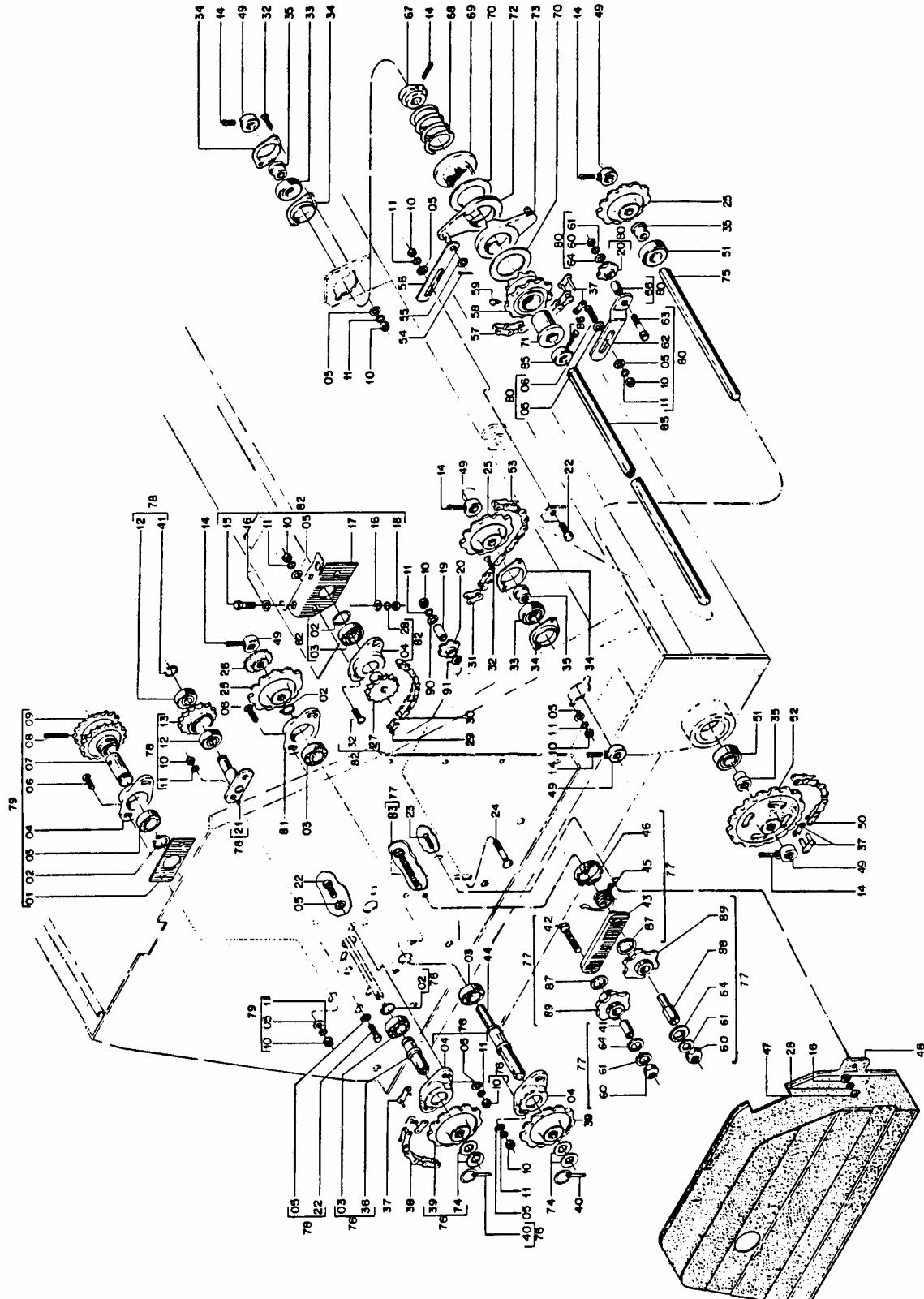
REF.	CODE	DENOMINATION	QT./ CJ.
01	05182596	NPT1/2 MALE QUICK CONNECTOR	2
02	05372662	FEMALE T - 140 8.8.8 C	1
03	25125901	TDNG520's HOSES	1
04	05022021	NPTF/MALE ADAPTOR	4
05	05282232	3/8 FAUCET	4
06	05351220	2024-0610 S MALE KNEE	2
07	15120027	VALVE ADAPTOR	1
08	25121400	HOSE - 1/2X1300 TDNG520	2
09	25121500	HOSE - 1/2X4800 TDNG520	2
10	25121600	HOSE - 1/2X3800 TDNG520	1
11	90112116	RING - O'RING 2-116	1



Parts Catalog

TDNG 520 AND TDNG 520

25345000 – TDNG 520's TRANSMISSION



Parts Catalog

TDNG 520 AND TDNG 520



25345000 – TDNG 520's TRANSMISSION

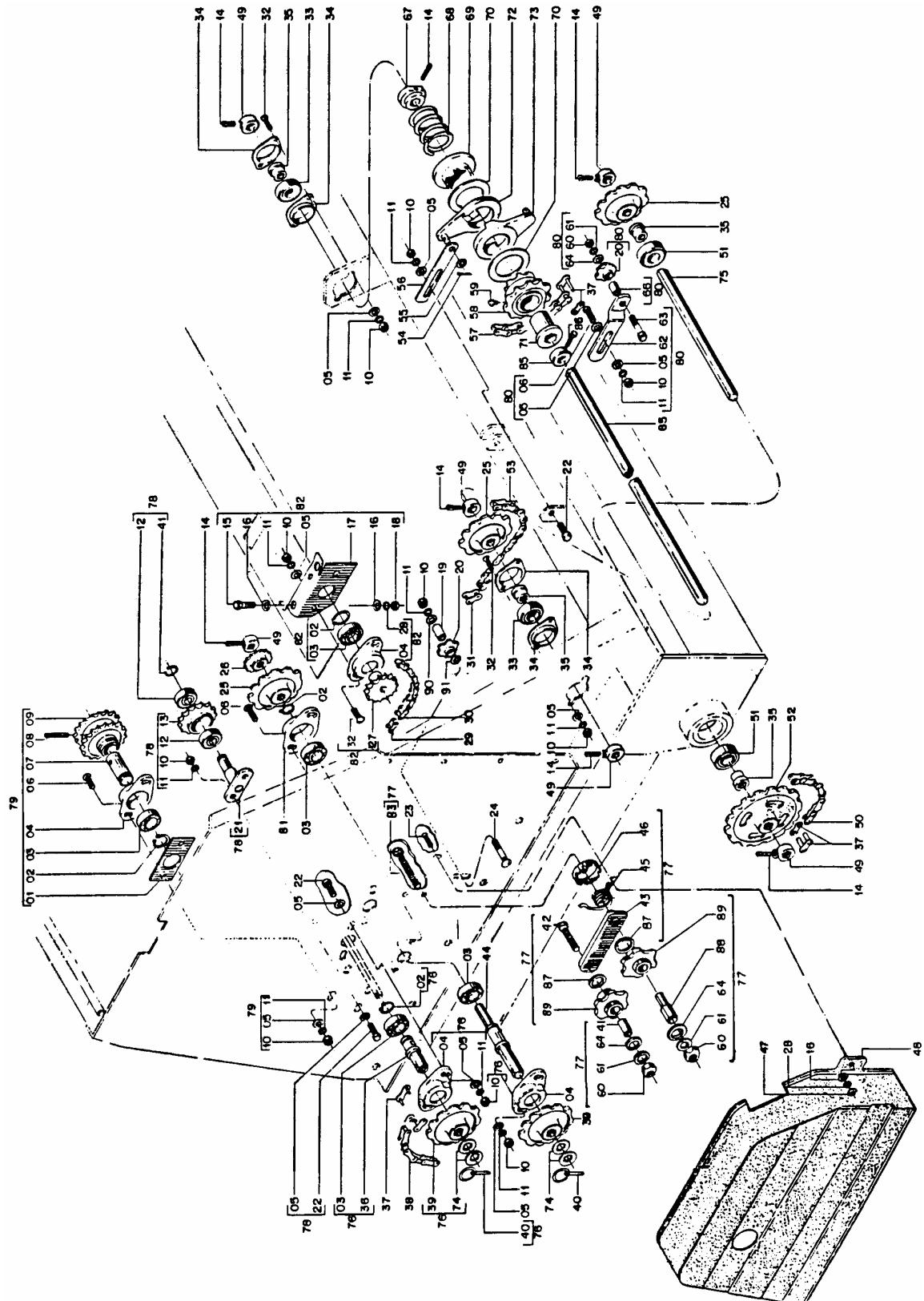
REF.	CODE	DENOMINATION	QT./MACH.
01	25060006	SHIM	2
02	90220030	E – 30 ELASTIC RING	8
03	88606206	6206 2 RS ROLLER BEARING	10
04	28040034	OUTER BEARING	8
05	01030053	M 10 WASHER	62
06	816810030	M 10 X 30 (8.8) FRENCH SCREW	8
07	25060007	SHAFT	2
08	92010640	6 X 40 ELASTIC PIN	2
09	28180081	DOUBLE GEAR	2
10	82050710	M 10 HEXAGONAL NUT	38
11	83010110	M 10 PRESSURE WASHER	38
12	88606002	6002 2 RS ROLLER BEARING	4
13	28060059	Z 16 GEAR	2
14	28060025	KNURLED SCREW	14
15	818708025	M 8 X 25 HEXAGONAL SCREW	4
16	01020010	M 8 WASHER	10
17	61060021	RIGHT SUPPORT	1
17	61060022	LEFT SUPPORT	1
18	82050708	M 8 HEXAGONAL NUT	4
19	03070086	BUSHING	4
20	35050005	6 Z GEAR	6
21	25060200	PIN	2
22	818710025	M 10 X 25 HEXAGONAL SCREW	7
23	816808020	M 8 X 20 (8.8) FRENCH SCREW	4
24	816810075	M 10 X 75 (8.8) FRENCH SCREW	4
25	28060028	Z 11 GEAR	6
26	28060055	Z 14 GEAR	2
27	26080005	Z 20 GEAR	2
28	83010108	M 8 PRESSURE WASHER	8
29	91326000	REDUCTION – ASA 40	2
30	91126000	ROLLER CHAIN - ASA 40 (76 LINKS)	2
31	91310000	REDUCTION - ASA 2050	2
32	816810025	M 10 X 25 (8.8) FRENCH SCREW	12
33	88200230	ROLLER BEARING - ORAE 30 NPPB	4
34	28060073	FLANGED BEARING	8
35	35050047	BUSHING	8
36	25060001	SHAFT	2
37	91210000	AMEND - ASA 2050	8
38	91110000	ROLLER CHAIN - ASA 2050 (38 LINKS)	2
39	30070011	Z 14 GEAR	4
40	18010011	LOCK PIN	4
41	03100019	BUSHING	2
42	818812050	M 12 X 50 (8.8) HEXAGONAL SCREW	4
43	25062300	STRETCHER SHANK	2
44	25060002	SHAFT	2
45	28040037	SPRING	2
46	25060055	LOCK	2
47	82020708	M 8 LUG NUT	4
48	25340004	RIGHT PROTECTION	1
48	25340005	LEFT PROTECTION	1
49	28060062	STOP	12
50	91110000	ROLLER CHAIN - ASA 2050 (70 LINKS)	2

Parts Catalog



TDNG 520 AND TDNG 520

25345000 -TDNG 520's TRANSMISSION (continuance)



Parts Catalog

TDNG 520 AND TDNG 520



25345000 –TDNG 520's TRANSMISSION (continuance)

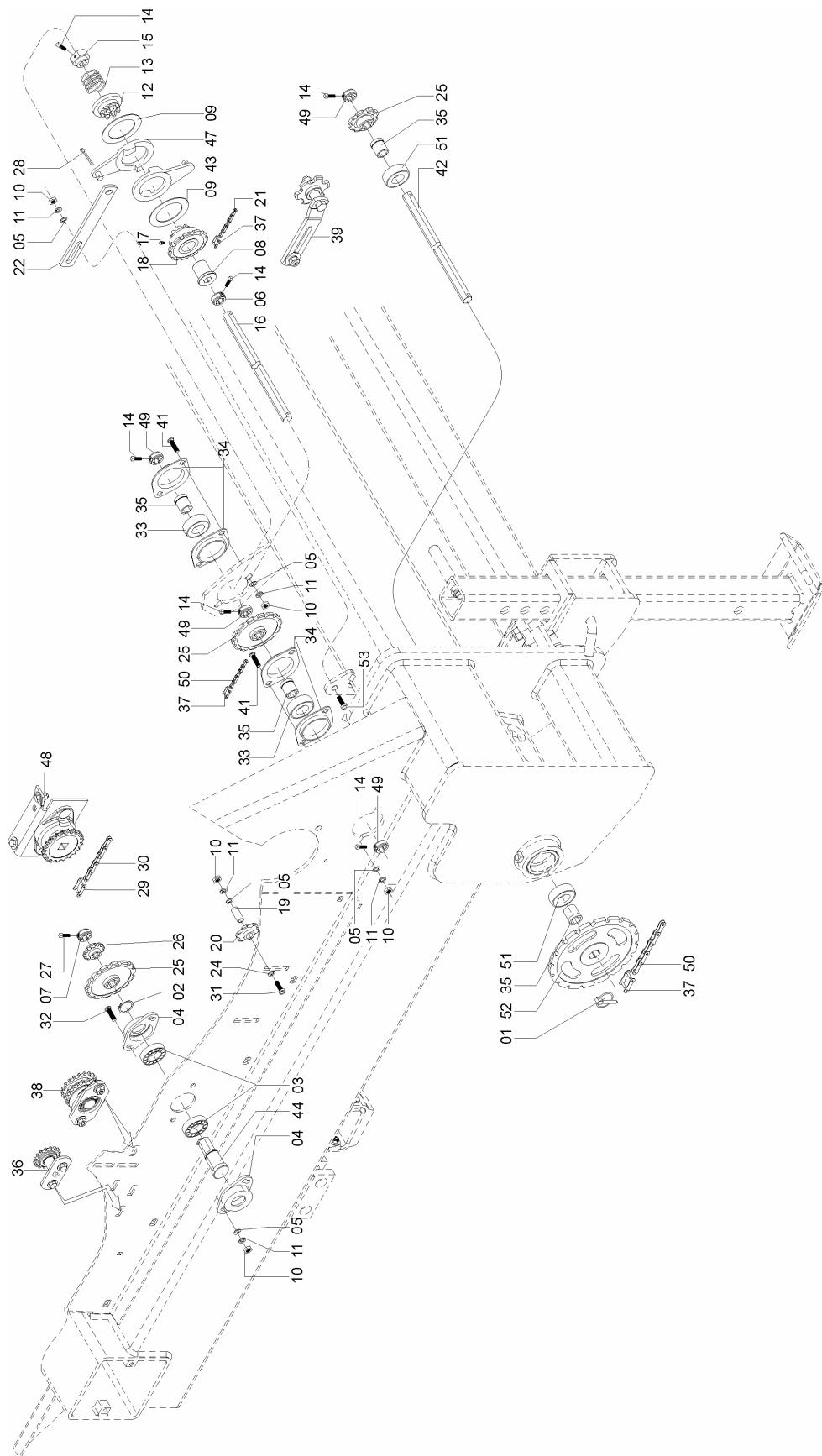
REF.	CODE	DENOMINATION	QT./MACH.
51	88606006	6006 2 RS ROLLER BEARING	4
52	25060008	GEAR – 18 TEETH	2
53	91110000	ROLLER CHAIN - ASA 2050 (73 LINKS)	2
54	85001235	1/8" X 1" COTTER PIN.....	4
55	03220028	WASHER	4
56	25340003	RATCHET REGULATOR	2
57	91110000	ROLLER CHAIN - ASA 2050 (30 LINKS)	2
58	28230002	RIGHT ACTUATING GEAR	1
58	28230001	LEFT ACTUATING GEAR.....	1
59	84300618	M 6 X 1 STRAIGHT GREASE FITTING	2
60	82050712	M 12 HEXAGONAL NUT	4
61	83010112	M 12 PRESSURE WASHER	6
62	28070026	STRETCHER's SUPPORT	2
63	818712070	M 12 X 70 HEXAGONAL SCREW	2
64	01040034	WASHER	2
65	25340001	RATCHET's SHAFT	2
66	35050015	BUSHING	2
67	61060029	STOP	2
68	01030017	SPRING	2
69	28230005	NOTCHED RIGHT BUSHING	1
69	28230006	NOTCHED LEFT BUSHING	1
70	01030019	WASHER	4
71	28230007	RATCHET BUSHING	2
72	28230003	LEFT ARM	2
73	28230004	RIGHT ARM	2
74	03070076	WASHER	8
75	25340002	SHAFT	2
76	25065101	BEARING	2
77	25065009	RIGHT STRETCHER	1
77	25065008	LEFT STRETCHER.....	1
78	25065002	STRETCHER CONJUNCT	2
79	25065003	REVERSE CONJUNCT	2
80	25065007	STRETCHER CONJUNCT	2
81	25060014	BEARING	2
82	25065004	RIGHT BEARING	1
82	25065005	LEFT BEARING	1
83	818812080	M 12 X 80 (8.8) HEXAGONAL SCREW	2
84	818810030	M 10 X 30 (8.8) FRENCH SCREW	8
85	25060019	STOP	2
86	03100024	M 12 X 20 KNURLED SCREW	2
87	53010015	RING	4
88	25060056	GREATER REST.....	2
89	35050005	Z-6 GEAR	4
90	28040025	WASHER.....	4
91	03150512	WASHER.....	4
ADDITIONAL PARTS:			
30070009		Z 10 GEAR	2
30070012		Z 16 GEAR	6
OPTIONAL PARTS:			
25060015		Z 8 GEAR	2
25060016		Z 21 GEAR.....	2

Parts Catalog



TDNG 520 AND TDNG 520

25295200 - TDNG 520 SEED's TRANSMISSION



Parts Catalog

TDNG 520 AND TDNG 520



25295200 - TDNG 520 SEED's TRANSMISSION

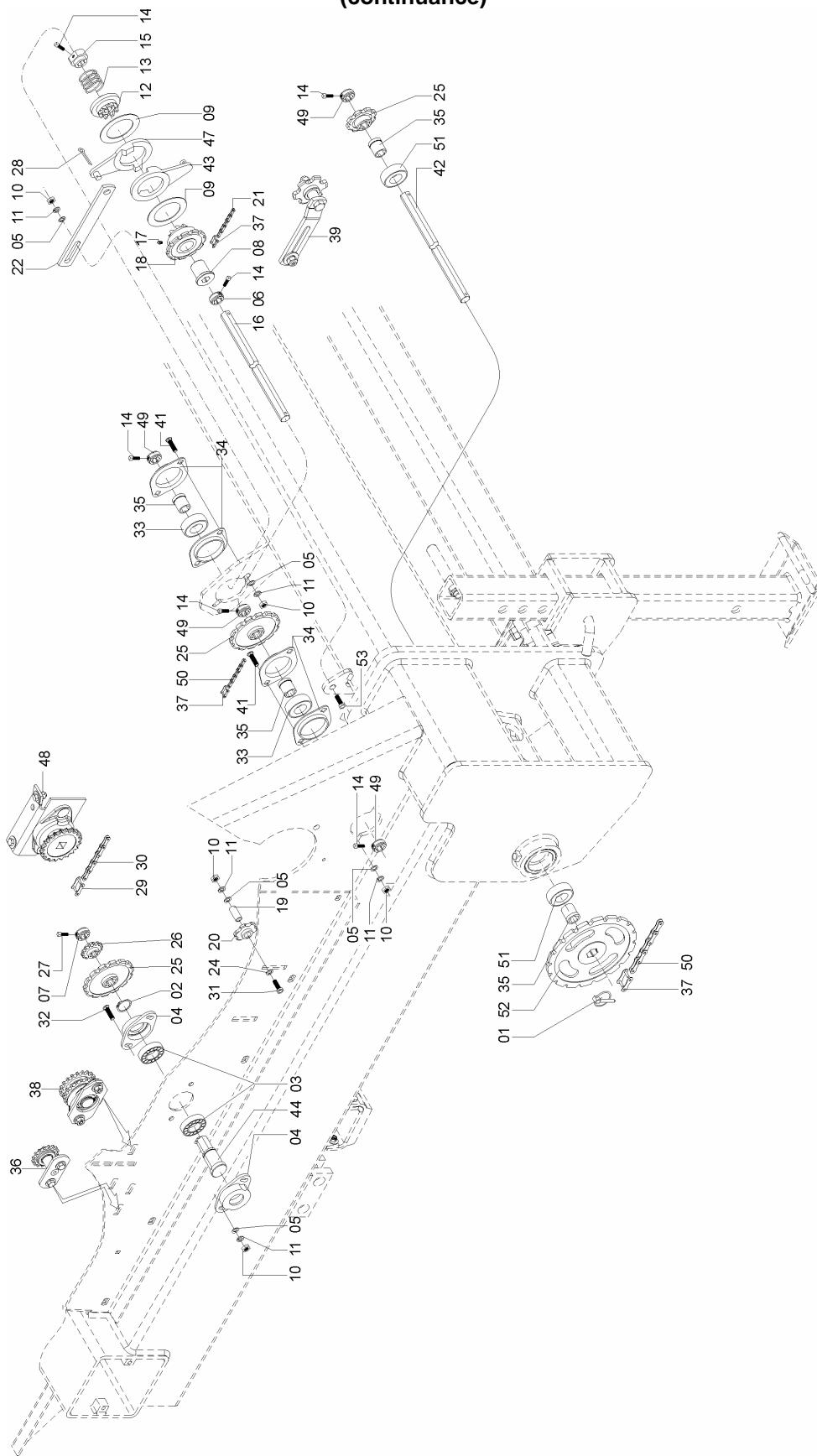
REF.	CODE	DENOMINATION	QT./CJ.
01	18010011	1/4"X2" LOCK PIN.....	2
02	90220030	E-30 ELASTIC RING.....	2
03	88606206	ROLLER BEARING - 6206 2 RS	4
04	28040034	OUTER BEARING.....	2
05	01030053	M 10 WASHER.....	12
06	25060019	STOP	2
07	28060062	STOP	2
08	28230007	RATCHET BUSHING	2
09	58060053	WASHER	4
10	82050710	M 10 HEXAGONAL NUT	14
11	83010110	M 10 PRESSURE WASHER.....	14
12	28230005	NOTCHED RIGHT BUSHING	1
12	28230006	NOTCHED LEFT BUSHING	1
13	01030017	SPRING	2
14	03100024	KNURLED SCREW.....	16
15	61060029	STOP	2
16	25060003	RATCHET's SHAFT	2
17	84300618	M 6 X 1 STRAIGHT GREASE FITTING.....	2
18	28230002	ACTUATING RIGHT GEAR	1
18	28230001	ACTUATING LEFT GEAR.....	1
19	03070086	BUSHING	2
20	35050005	6 Z GEAR	2
21	91110000	CHAIN - ASA 2050 (29 LINKS)	2
22	25060009	RATCHET's REGULATOR (TDNG 320).....	2
22	25060018	RATCHET's REGULATOR (TDNG 420).....	2
23	816808025	M 8 X 25 (8.8) FRENCH SCREW	4
24	03150512	WASHER.....	4
25	28060028	Z - 11 GEAR	6
26	28060055	Z - 14 GEAR	2
27	28060025	KNURLED SCREW	2
28	85001235	1/8" X 1" COTTER PIN.....	4
29	91226000	AMENDED - ASA 40	2
30	91126000	ROLLER CHAIN - ASA 40 (75 LINKS)	2
31	818710075	M 10 X 75 HEXAGONAL SCREW	2
32	816810030	M 10 X 30 (8.8) FRENCH SCREW	14
33	88200230	ROLLER BEARING - ORAE 30 NPPB.....	4
34	28060073	FLANGED BEARING	8
35	35050047	BUSHING	8
36	25065002	STRETCHER	2
37	91210000	AMEND - ASA 2050	6
38	25065003	REVERSER.....	2
39	25065007	STRETCHER	2
40	25060014	BEARING	2
41	816810025	M 10 X 25 (8.8) FRENCH SCREW	8
42	25060004	SHAFT	2
43	28230004	RIGHT ARM	2
44	25190004	SHAFT	2
47	28230003	LEFT ARM	2
48	25065004	RIGHT BEARING	1
48	25065005	LEFT BEARING	1
49	25060019	STOP	12

Parts Catalog



TDNG 520 AND TDNG 520

25295200 - TDNG 520 SEED's TRANSMISSION (continuance)



Parts Catalog

TDNG 520 AND TDNG 520



25295200 - TDNG 520 SEED's TRANSMISSION (continuance)

REF.	CODE	DENOMINATION	QT./CJ.
50	91110000	ROLLER CHAIN - ASA 2050 (71 LINKS)	2
51	88606006	ROLLER BEARING - 6006 2 RS	4
52	25060008	GEAR - 18 NOTCHES	2

OPTIONALS:

25060015 Z 8 GEAR.....	2
25060016 Z 21 GEAR.....	2

ADDITIONALS:

30070009 Z 10 GEAR	2
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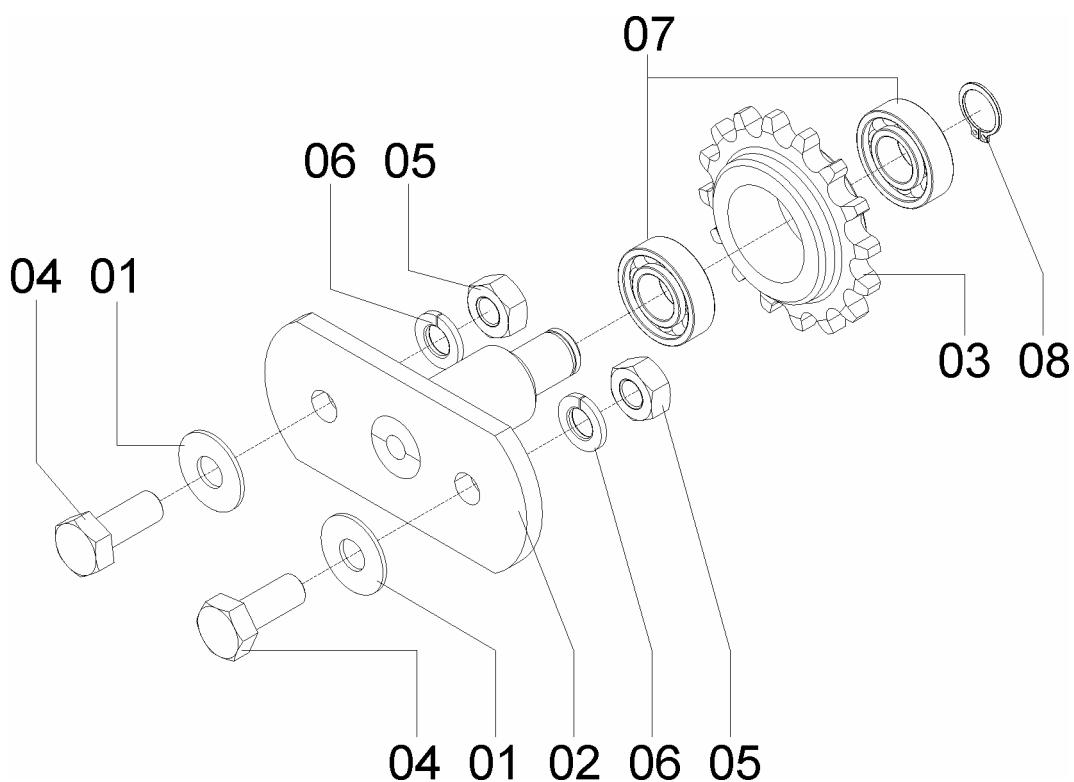


Parts Catalog

TDNG 520 AND TDNG 520

25065002 - STRETCHER

REF.	CODE	DENOMINATION	QT./CJ.
01	01030053	PLAIN WASHER	2
02	25060200	PIN.....	1
03	28060059	16 Z GEAR	1
04	818710025	M 10X25 HEXAGONAL HEAD SCREW	2
05	82050710	M10 HEXAGONAL NUT	2
06	83010110	M 10 PRESSURE WASHER	2
07	88606002	SPHERIC ROLLER BEARING - 6002 2 RS.....	2
08	90220015	ELASTIC RING FOR E-15 SHAFT.....	1



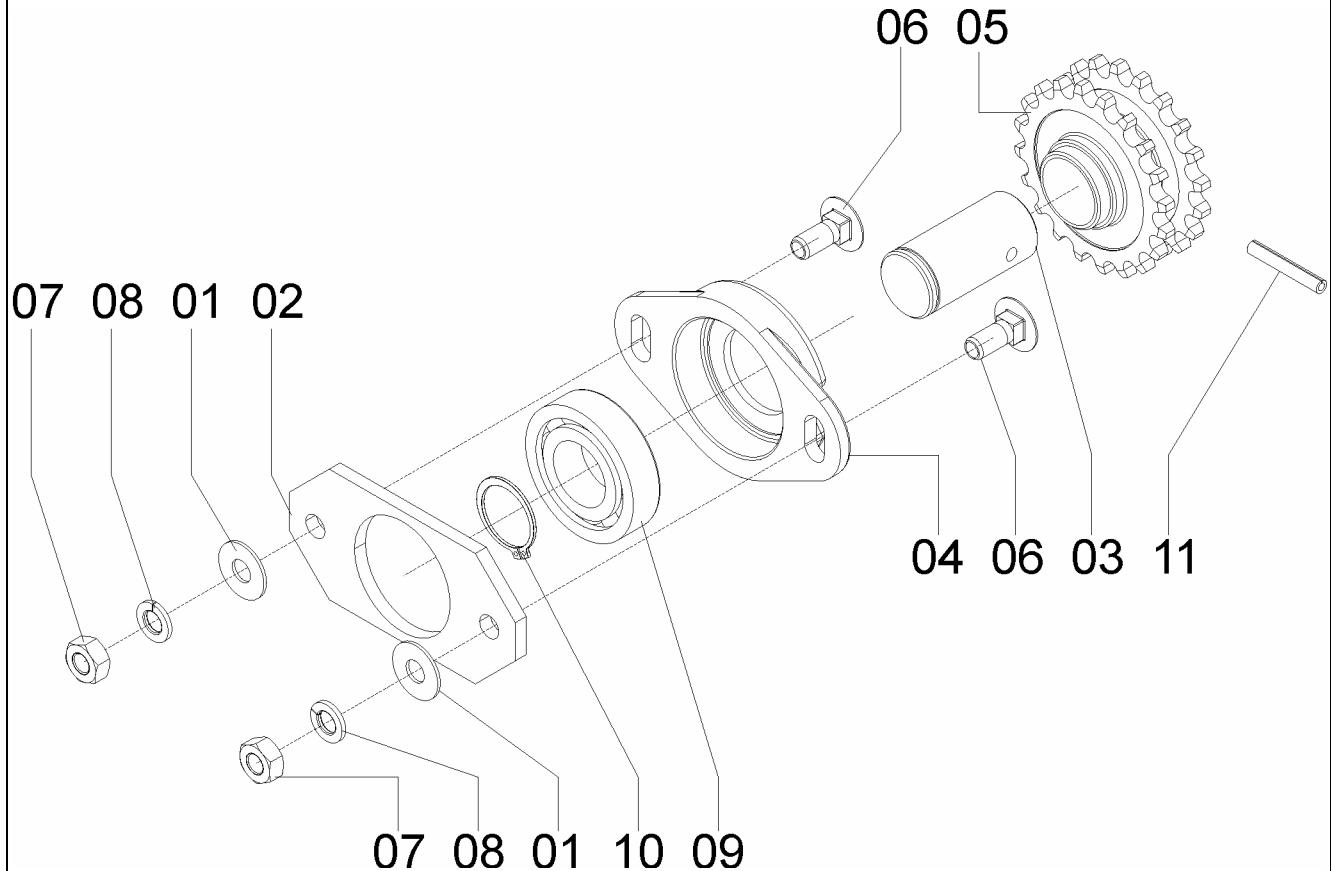
Parts Catalog

TDNG 520 AND TDNG 520



25065003 - REVERSER

REF.	CODE	DENOMINATION	QT./CJ.
01	01030053	PLAIN WASHER.....	2
02	25060006	SHIM.....	1
03	25060007	28,6X62mm SHAFT.....	1
04	28040034	OUTER BEARING.....	1
05	28180081	DOUBLE GEAR.....	1
06	816810030	10X30 (8.8) – CHEESE-HEADED SCREW	2
07	82050710	M10 HEXAGONAL NUT	2
08	83010110	M 10 PRESSURE WASHER	2
09	88606206	SPHERIC ROLLER BEARING - 6206 2 RS.....	1
10	90220030	ELASTIC RING FOR E-30 SHAFT.....	1
11	92010640	6X40 ELASTIC PIN	1



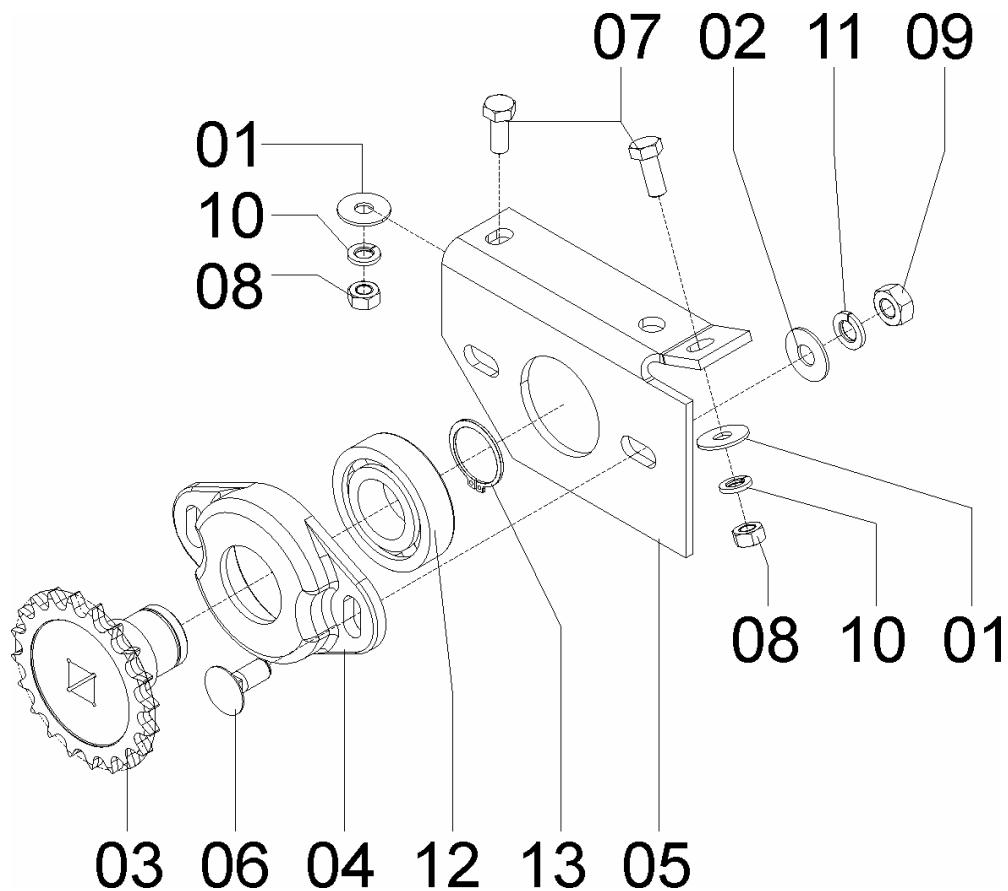


Parts Catalog

TDNG 520 AND TDNG 520

**25065004 RIGHT BEARING
25065005 LEFT BEARING**

REF.	CODE	DENOMINATION	QT./ CJ. RIGHT	LEFT
01	01020010	PLAIN WASHER.....	2	2
02	01030053	PLAIN WASHER.....	2	2
03	26080005	20 Z GEAR.....	1	1
04	28040034	OUTER BEARING.....	1	1
05	61060021	RIGHT SUPPORT.....	1	-
05	61060022	LEFT SUPPORT.....	-	1
06	816810025	M 10X25 (8.8) CHEESE-HEADED SCREW.....	2	2
07	818708025	M 8X25 HEXAGONAL HEAD SCREW.....	2	2
08	82050708	M8 HEXAGONAL NUT.....	2	2
09	82050710	M10 HEXAGONAL NUT.....	2	2
10	83010108	M 8 PRESSURE WASHER.....	2	2
11	83010110	M 10 PRESSURE WASHER.....	2	2
12	88606206	SPHERIC ROLLER BEARING - 6206 2 RS.....	1	1
13	90220030	ELASTIC RING FOR E-30 SHAFT.....	1	1



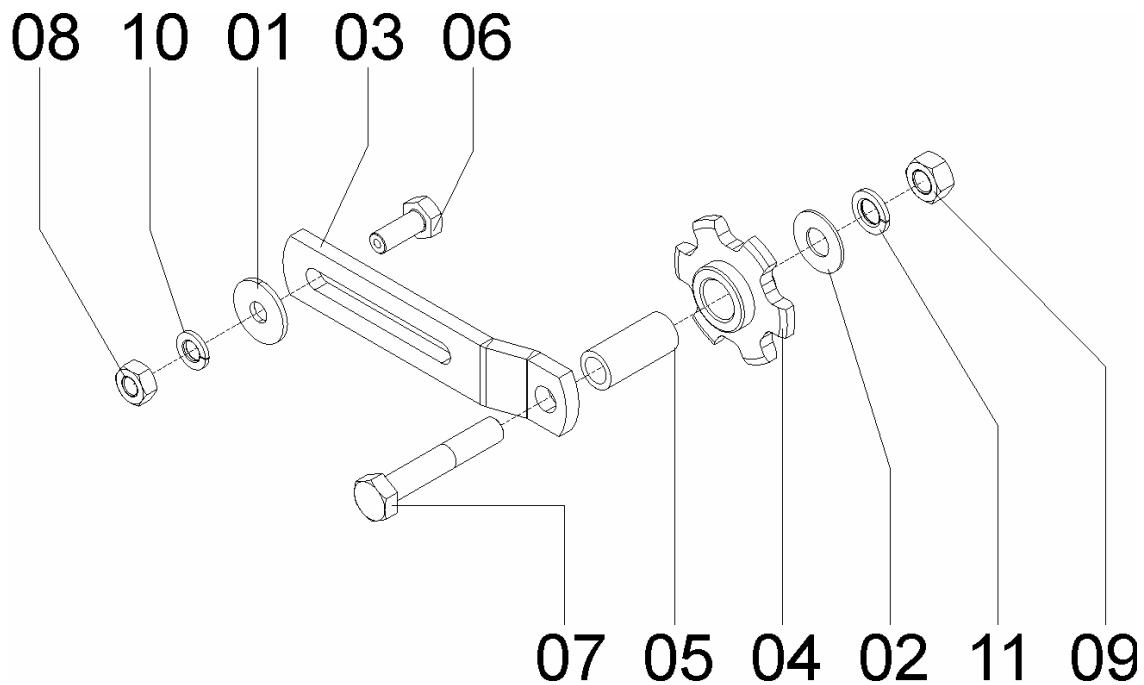
Parts Catalog

TDNG 520 AND TDNG 520



25065007 - STRETCHER

REF.	CODE	DENOMINATION	QT./CJ.
01	01030053	PLAIN WASHER	1
02	01040034	PLAIN WASHER	1
03	28070026	STRETCHER SUPPORT	1
04	35050005	6 Z GEAR	1
05	35050015	42X13X19 BUSHING	1
06	818710035	M 10X35 HEXAGONAL HEAD SCREW	1
07	818712070	M 12X70 HEXAGONAL HEAD SCREW	1
08	82050710	M 10 HEXAGONAL NUT	1
09	82050712	M 12 HEXAGONAL NUT	1
10	83010110	M 10 PRESSURE WASHER	1
11	83010112	M 12 PRESSURE WASHER	1

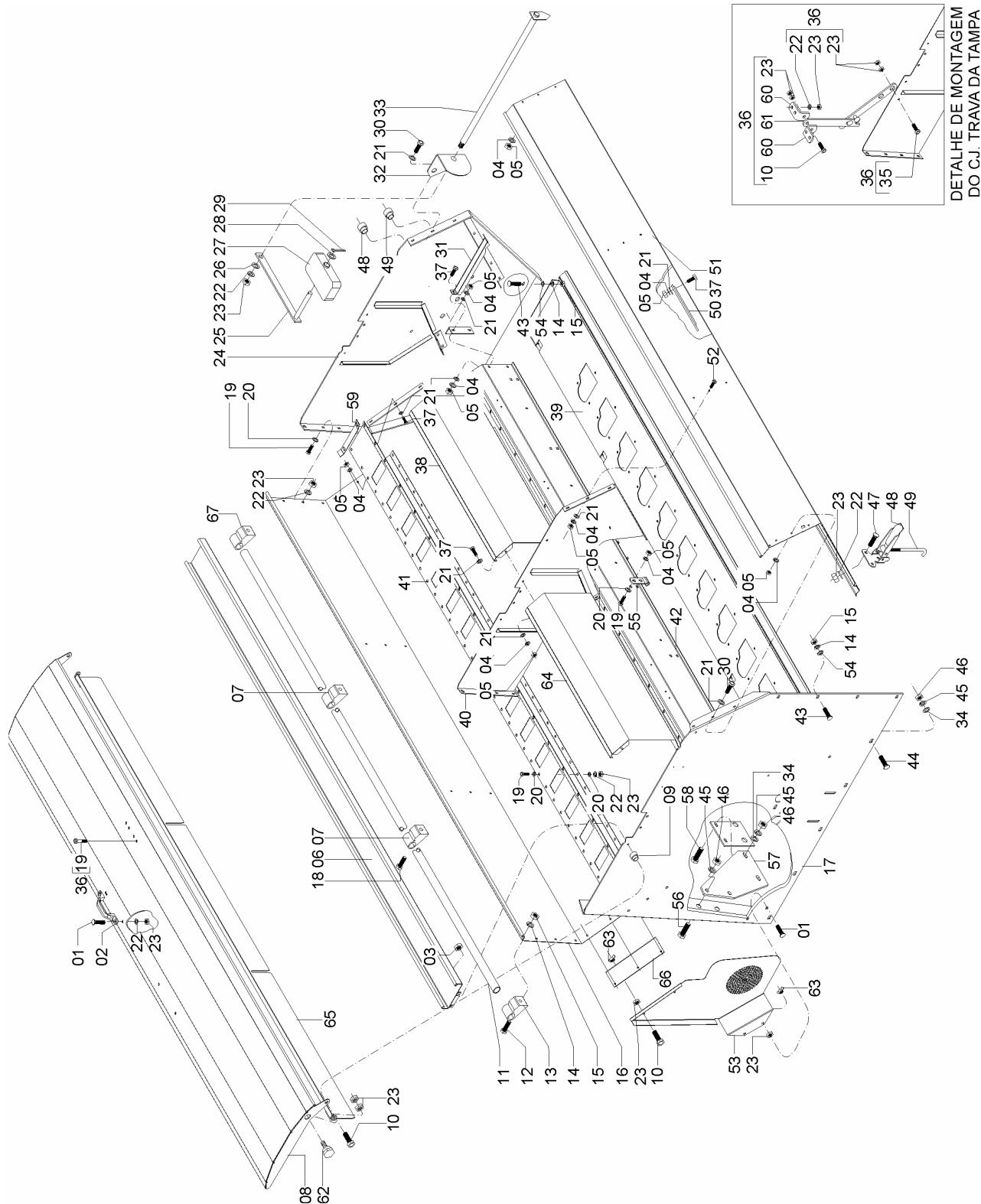


Parts Catalog



TDNG 520 AND TDNG 520

25295400 - TDNG 520's FERTILIZER/SEED HOPPER - ROTOR



Parts Catalog

TDNG 520 AND TDNG 520



25295400 - TDNG 520's FERTILIZER/SEED HOPPER - ROTOR

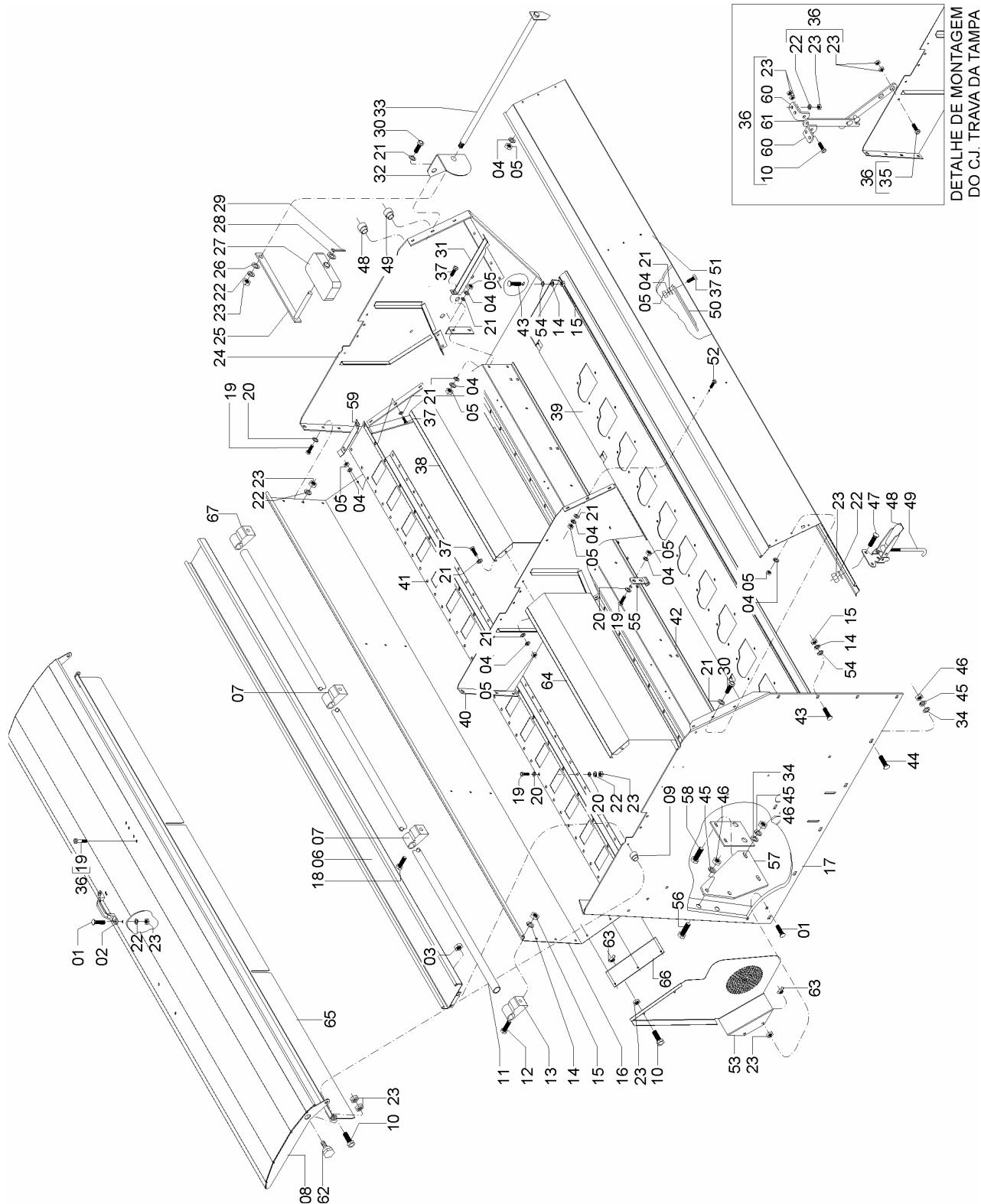
REF.	CODE	DENOMINATION	QT./MACH.
01	816808020	M 8 X 20 (8.8) FRENCH SCREW	12
02	27070009	LID HANDLE	4
03	82000708	M 8 DS SELF-LOCKING NUT	8
04	83010106	M 6 PRESSURE WASHER	180
05	82050706	M 6 HEXAGONAL NUT	180
06	25332200	DUCT	2
07	15100047	CENTRAL SUPPORT	2
08	25332100	LID	4
09	28020012	BUSHING	8
10	818708030	M 8 X 30 HEXAGONAL SCREW	14
11	25330018	REST BAR	2
12	818710025	M 10 X 25 HEXAGONAL SCREW	4
13	15100046	RIGHT SUPPORT	2
13	15100045	LEFT SUPPORT	2
14	83010110	M 10 PRESSURE WASHER	22
15	82050710	M 10 HEXAGONAL NUT	22
16	25330016	RIGHT REAR PANEL	1
16	25330012	LEFT REAR PANEL	1
17	25330100	CJ. CABECEIRA DIREITA (CAIXA DIREITA)	1
17	25330300	CJ. CABECEIRA ESQUERDA (CAIXA ESQUERDA)	1
18	818710020	M 10 X 20 HEXAGONAL SCREW	2
19	818708020	M 8 X 20 HEXAGONAL SCREW	32
20	03070070	PLAIN WASHER	30
21	01100023	PLAIN WASHER	180
22	83010108	M 8 PRESSURE WASHER	106
23	82050708	M 8 HEXAGONAL NUT	130
24	25332000	CJ. CABECEIRA CENTRAL DIREITA	1
24	25331900	CJ. CABECEIRA CENTRAL ESQUERDA	1
25	25100600	BAR AND SHAFT CONJUNCT	2
26	01030049	PLAIN WASHER	2
27	37100001	BÓIA	2
28	01020010	PLAIN WASHER	12
29	85001030	3/32" X 3/4" COTTER PIN	2
30	818706020	M 6 X 20 HEXAGONAL SCREW	16
31	25100047	FERTILIZER BOTTOM	3
32	25100001	MARKER'S BASE	2
33	25332600	MARKER SHAFT	2
34	01040034	PLAIN WASHER	22
35	818708025	M 8 X 25 HEXAGONAL SCREW	2
36	56105203	LID's LOCK	1
37	818706016	M 6 X 16 HEXAGONAL SCREW	142
38	25332400	MOVABLE PARTITION	2
39	25322800	RIGHT FERTILIZER BOTTOM	1
39	25282700	LEFT FERTILIZER BOTTOM	1
40	25330400	CROSSBAR	2
41	25330015	RIGHT SEED BOTTOM	1
41	25330013	LEFT SEED BOTTOM	1
42	25331600	RIGHT INTERMEDIARY PANEL	1
42	25331700	LEFT INTERMEDIARY PANEL	1
43	816810025	M 10 X 25 (8.8) FRENCH SCREW	14
44	816812025	M 12 X 25 (8.8) FRENCH SCREW	10
45	83010112	M 12 PRESSURE WASHER	18
46	82050712	M 12 HEXAGONAL NUT	18
47	816808016	M 8 X 16 (8.8) FRENCH SCREW	30
48	28020300	CLASP	10



Parts Catalog

TDNG 520 AND TDNG 520

25295400 - TDNG 520's FERTILIZER/SEED HOPPER - ROTOR (continuance)



Parts Catalog

TDNG 520 AND TDNG 520



25295400 - TDNG 520's FERTILIZER/SEED HOPPER - ROTOR (continuance)

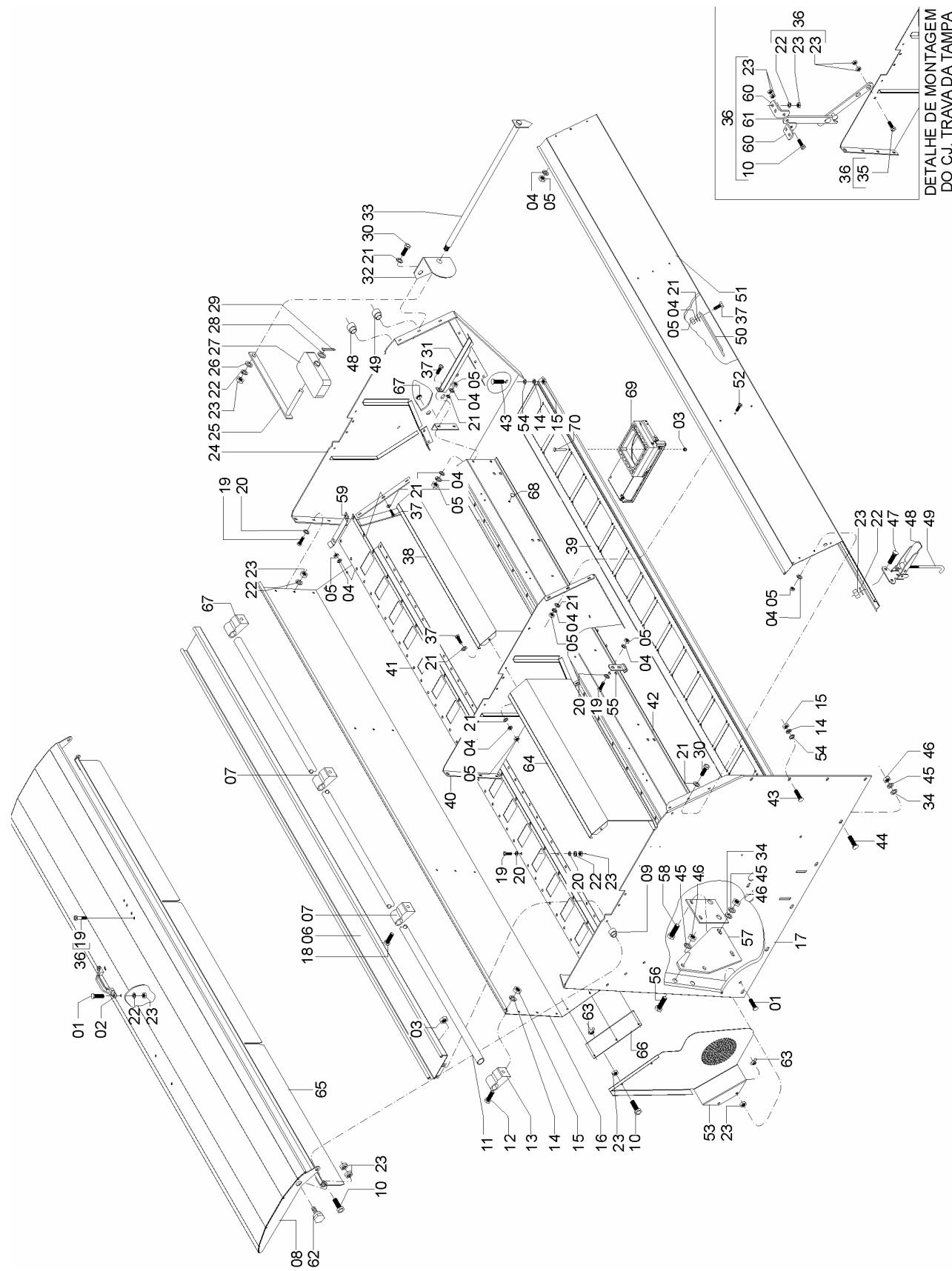
REF.	CODE	DENOMINATION	QT./ MACH.
49	28020019	HOOK	10
50	15100055	LEVEL CHECK WINDOW	2
51	25330014	RIGHT FRONT PANEL	1
51	25330011	LEFT FRONT PANEL	1
52	818706012	M 6 X 12 HEXAGONAL SCREW	22
53	25350020	RIGHT PROTECTION	1
53	25350019	LEFT PROTECTION	1
54	01030053	PLAIN WASHER	14
55	03080014	HOPPER'S HITCH	10
56	818712025	M 12 X 25 HEXAGONAL SCREW	4
57	25100029	REINFORCEMENT	2
58	818712030	M 12 X 30 HEXAGONAL SCREW	4
59	25330017	BOTTOM SEAL	2
60	56100035	HITCH	2
61	56110500	LID LOCK	2
62	56120007	LID SCREW	8
63	82020708	M 8 LUG NUT	8
64	25332500	PARTITION	4
65	25332300	DEFLECTOR	4
66	25330018	PROTECTION's SUPPORT	2

Parts Catalog



TDNG 520 AND TDNG 520

25106600 - TDNG 520's FERTILIZER/SEED HOPPER – WORM GEAR



Parts Catalog

TDNG 520 AND TDNG 520



25106600 - TDNG 520's FERTILIZER/SEED HOPPER – WORM GEAR

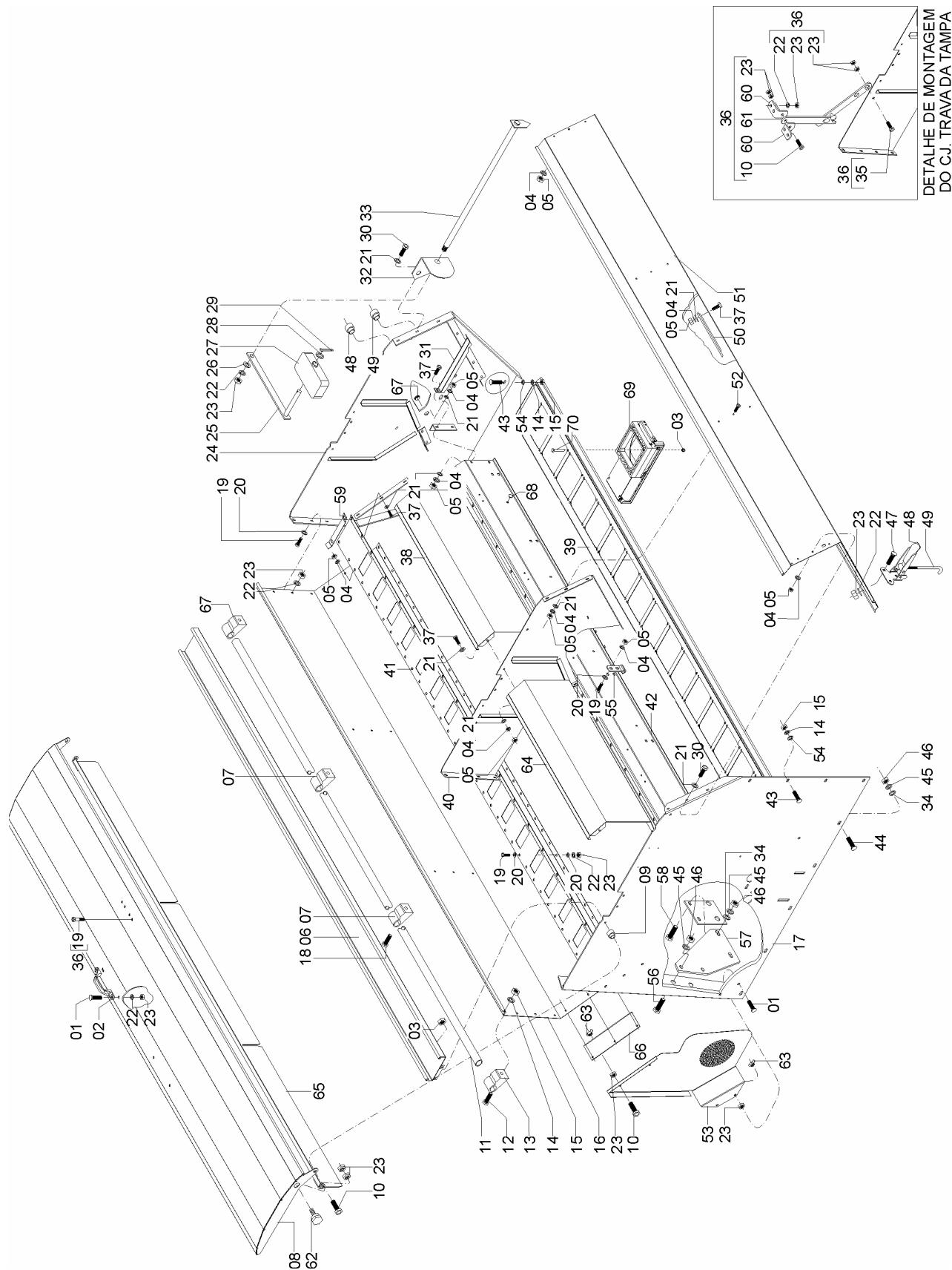
REF.	CODE	DENOMINATION	QT./ MACH.
01	816808020	M 8 X 20 (8.8) FRENCH SCREW	12
02	27070009	LID HANDLE	4
03	82000708	M 8 DS SELF-LOCKING NUT	136
04	83010106	M 6 PRESSURE WASHER	180
05	82050706	M 6 HEXAGONAL NUT	180
06	25332200	DUCT	2
07	15100047	CENTRAL SUPPORT	2
08	25332100	LID	4
09	28020012	BUSHING	8
10	818708030	M 8 X 30 HEXAGONAL SCREW	14
11	25330018	REST BAR	2
12	818710025	M 10 X 25 HEXAGONAL SCREW	4
13	15100046	RIGHT SUPPORT	2
13	15100045	LEFT SUPPORT	2
14	83010110	M 10 PRESSURE WASHER	22
15	82050710	M 10 HEXAGONAL NUT	22
16	25330016	RIGHT REAR PANEL	1
16	25330012	LEFT REAR PANEL	1
17	25330100	CJ. CABECEIRA DIREITA (CAIXA DIREITA)	1
17	25330300	CJ. CABECEIRA ESQUERDA (CAIXA ESQUERDA)	1
18	818710020	M 10 X 20 HEXAGONAL SCREW	2
19	818708020	M 8 X 20 HEXAGONAL SCREW	32
20	03070070	PLAIN WASHER	30
21	01100023	PLAIN WASHER	180
22	83010108	M 8 PRESSURE WASHER	106
23	82050708	M 8 HEXAGONAL NUT	130
24	25332000	CJ. CABECEIRA CENTRAL DIREITA	1
24	25331900	CJ. CABECEIRA CENTRAL ESQUERDA	1
25	25100600	BAR AND SHAFT.....	2
26	01030049	PLAIN WASHER	2
27	37100001	BÓIA	2
28	01020010	PLAIN WASHER	12
29	85001030	3/32" X 3/4" COTTER PIN	2
30	818706020	M 6 X 20 HEXAGONAL SCREW	16
31	25100047	FERTILIZER BOTTOM	3
32	25100001	MARKER'S BASE	2
33	25332600	MARKER SHAFT	2
34	01040034	PLAIN WASHER	22
35	818708025	M 8 X 25 HEXAGONAL SCREW	2
36	56105203	LID LOCK	1
37	818706016	M 6 X 16 HEXAGONAL SCREW	142
38	25332400	MOVABLE PARTITION	2
39	25331800	FERTILIZER BOTTOM – WORM GEAR	2
40	25330400	CJ. TRAVESSA	2
41	25330015	RIGHT SEED BOTTOM	1
41	25330013	LEFT SEED BOTTOM	1
42	25331600	RIGHT INTERMEDIARY PANEL	1
42	25331700	LEFT INTERMEDIARY PANEL	1
43	816810025	M 10 X 25 (8.8) FRENCH SCREW	14
44	816812025	M 12 X 25 (8.8) FRENCH SCREW	10
45	83010112	M 12 PRESSURE WASHER	18
46	82050712	M 12 HEXAGONAL NUT	18
47	816808016	M 8 X 16 (8.8) FRENCH SCREW.....	30
48	28020300	CLASP	10



Parts Catalog

TDNG 520 AND TDNG 520

**25106600 - TDNG 520's FERTILIZER/SEED HOPPER – WORM GEAR
(continuance)**



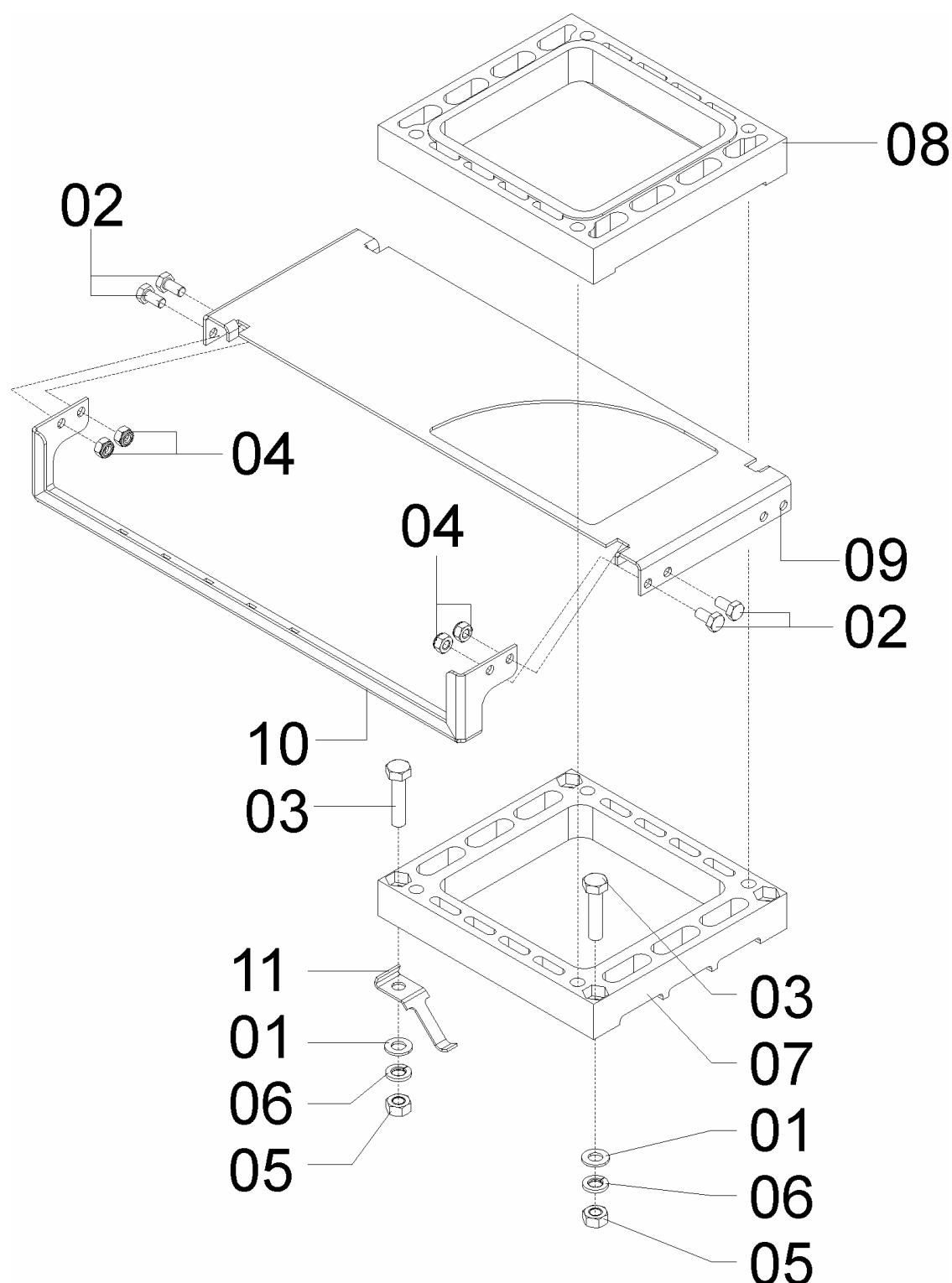
Parts Catalog

TDNG 520 AND TDNG 520



25106600 - TDNG 520's FERTILIZER/SEED HOPPER – WORM GEAR (continuance)

REF.	CODE	DENOMINATION	QT./ MACH.
49	28020019	HOOK	10
50	15100055	LEVEL CHECK WINDOW	2
51	25330014	RIGHT FRONT PANEL	1
51	25330011	LEFT FRONT PANEL	1
52	818706012	M 6 X 12 HEXAGONAL SCREW	22
53	25350020	RIGHT PROTECTION	1
53	25350019	LEFT PROTECTION	1
54	01030053	PLAIN WASHER	14
55	03080014	HOPPER'S HITCH	10
56	818712025	M 12 X 25 HEXAGONAL SCREW	4
57	25100029	REINFORCEMENT	2
58	818712030	M 12 X 30 HEXAGONAL SCREW	4
59	25330017	BOTTOM SEAL	2
60	56100035	HITCH.....	2
61	56110500	LID LOCK.....	2
62	56120007	LID SCREW	8
63	82020708	M 8 LUG NUT	8
64	25332500	PARTITION.....	4
65	25332300	DEFLECTOR	4
66	25330018	PROTECTION's SUPPORT	2
67	06070047	LID	4
08	06070050	LID	22
69	DI02015040	SEED/FERTILIZER BLOCKER	32
70	818708055	M 8X55 HEXAGONAL HEAD SCREW	128

Parts Catalog**TDNG 520 AND TDNG 520****DI02015040 – SEED/FERTILIZER BLOCKER**

Parts Catalog

TDNG 520 AND TDNG 520



DI02015040 – SEED/FERTILIZER BLOCKER

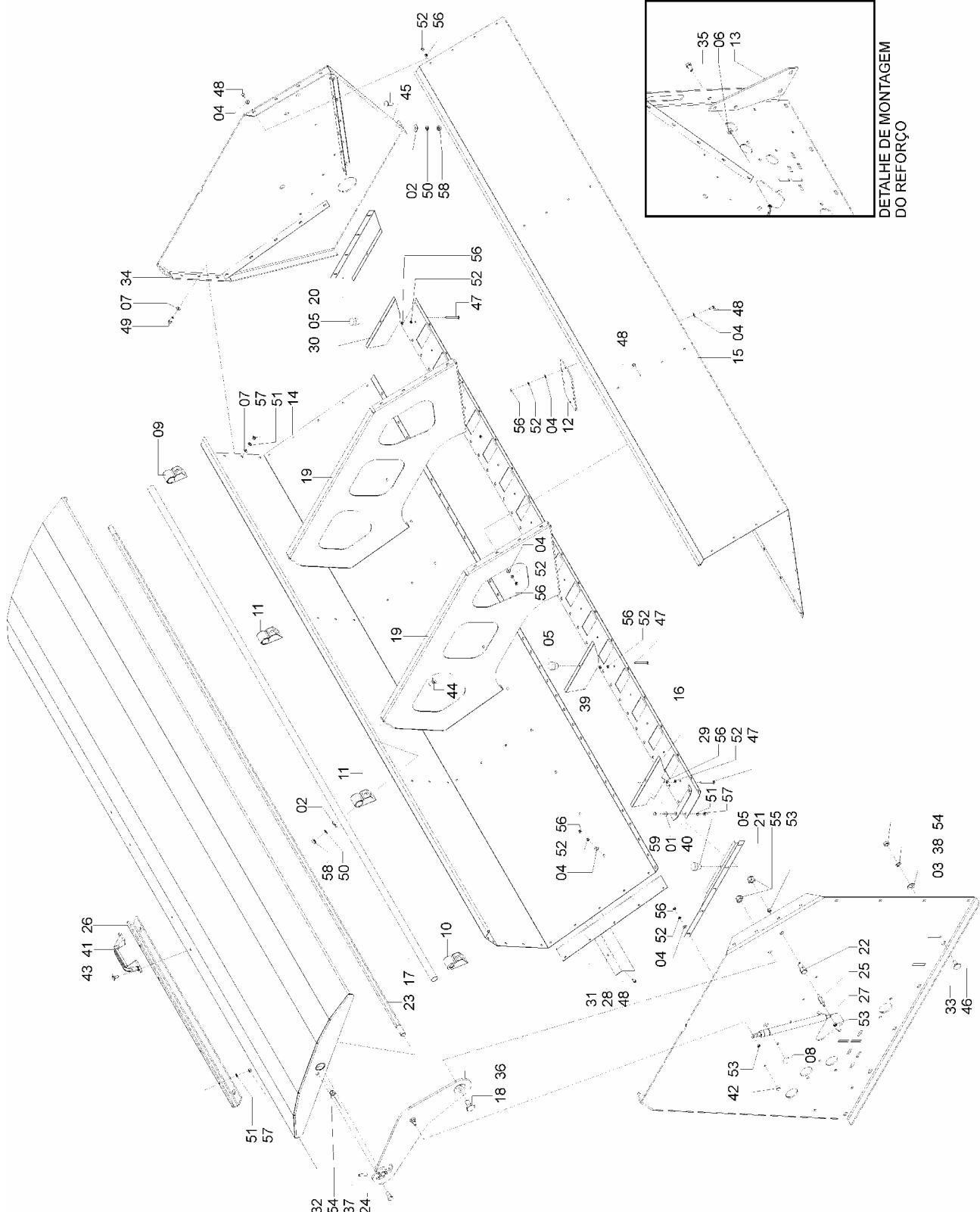
REF. CODE	DENOMINATION	QT./ CJ
01 25190030	M8 STAINLESS STEEL PLAIN WASHER 1,5X8,5X16.....	4
02 8181006012	M 6X12 STAINLESS STEEL HEXAGONAL HEAD SCREW.....	4
03 8181008035	8X35 STAINLESS STEEL HEXAGONAL HEAD SCREW	4
04 82180706	M 6 STAINLESS STEEL HEXAGONAL NUT	4
05 82150708	M 8 STAINLESS STEEL HEXAGONAL NUT	4
06 83080108	M 8 STAINLESS STEEL PRESSURE WASHER	4
07 DI02010050	LOWER BASE OF THE BLOCKER	1
08 DI02010051	UPPER BASE OF THE BLOCKER	1
09 DI02010052	BLOCKER'S LID.....	1
10 DI02010054	BLOCKER LID'S LOCK.....	1
11 DI02010055	LOCK.....	1

Parts Catalog



TDNG 520 AND TDNG 520

25295000 – TDNG 520 SEED's HOPPER



Parts Catalog

TDNG 520 AND TDNG 520



25295000 – TDNG 520 SEED's HOPPER

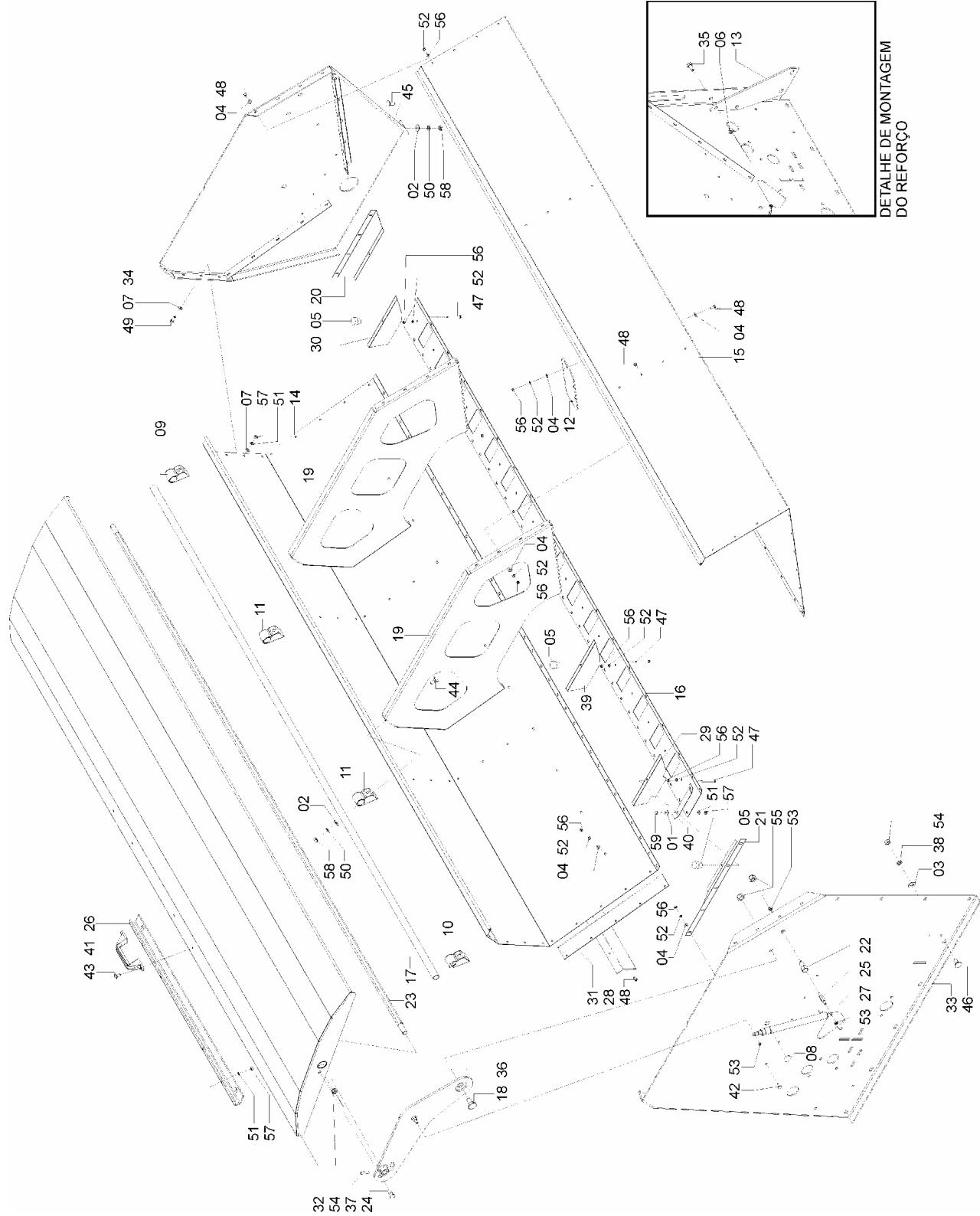
REF.	CODE	DENOMINATION	QT./ CJ.
01	01020010	PLAIN WASHER	2
02	01030053	PLAIN WASHER.....	12
03	01040034	PLAIN WASHER.....	20
04	01100023	PLAIN WASHER.....	86
05	01100059	FERTILIZER HANDLE.....	34
06	82000712	M 12 DS SELF-LOCKING NUT	4
07	03070070	1,50X8,5X16,0 PLAIN WASHER.....	24
08	06070047	LID	4
09	15100045	REST BAR LEFT SUPPORT	2
10	15100046	REST BAR RIGHT SUPPORT	2
11	15100047	REST BAR CENTRAL SUPPORT	4
12	15100055	LEVEL CHECK WINDOW	2
13	25100029	REINFORCEMENT	2
14	25290001	RIGHT REAR PLATE	1
14	25290002	LEFT REAR PLATE	1
15	25290003	RIGHT FRONT PLATE	1
15	25290004	LEFT FRONT PLATE	1
16	25290005	RIGHT SEED BOTTOM	1
16	25290006	LEFT SEED BOTTOM	1
17	25290007	REST BAR	2
18	25290008	LID SCREW	4
19	25290009	TRAVESSA	4
20	25290013	RIGHT INNER DEFLECTOR.....	1
20	25290010	LEFT INNER DEFLECTOR	1
21	25290011	RIGHT OUTER DEFLECTOR	1
21	25290012	LEFT OUTER DEFLECTOR	1
22	25290014	STOP	4
23	25290015	LID SHAFT.....	2
24	25290016	SMALLER SCREW	4
25	25290017	SMALER SCREW	4
26	25290020	REST	2
27	25290021	MOLA A GÁS 60KG 5860	4
28	25290022	DEFLECTOR	2
29	25290023	GREATER DEFLECTOR	1
30	25290024	GREATER DEFLECTOR	1
31	25290025	PROTECTION SUPPORT	2
32	25290100	TDNG 520 LID	2
33	25290200	CJ.CABECEIRA EXTERNA ESQ.....	1
33	25290800	CJ.CABECEIRA EXTERNA DIR.....	1
34	25290300	CJ.CABECEIRA INTERNA ESQ.....	1
34	25290900	CJ.CABECEIRA INTERNA DIR.....	1
35	818712025	M 12X25 HEXAGONAL HEAD SCREW	4
36	25290400	LEFT ARM	2
36	25290700	RIGHT ARM	2
37	92010836	8X36 ELASTIC PIN	4
38	83010112	M 12 PRESSURE WASHER	10
39	25320006	GREATER DEFLECTOR.....	32
40	25330017	SEAL.....	2
41	27070009	LID HANDLE	4
42	816806016	M6X16 CHEESE-HEADED SCREW	18
43	816808020	M8X20 CHEESE-HEADED SCREW	8
44	816810025	M10X25 CHEESE-HEADED SCREW	8
45	816810030	M10X30 CHEESE-HEADED SCREW	6
46	816812030	M12X30 CHEESE-HEADED SCREW	10



Parts Catalog

TDNG 520 AND TDNG 520

25295000 – TDNG 520 SEED's HOPPER (continuance)



Parts Catalog

TDNG 520 AND TDNG 520



25295000 – TDNG 520 SEED's HOPPER (continuance)

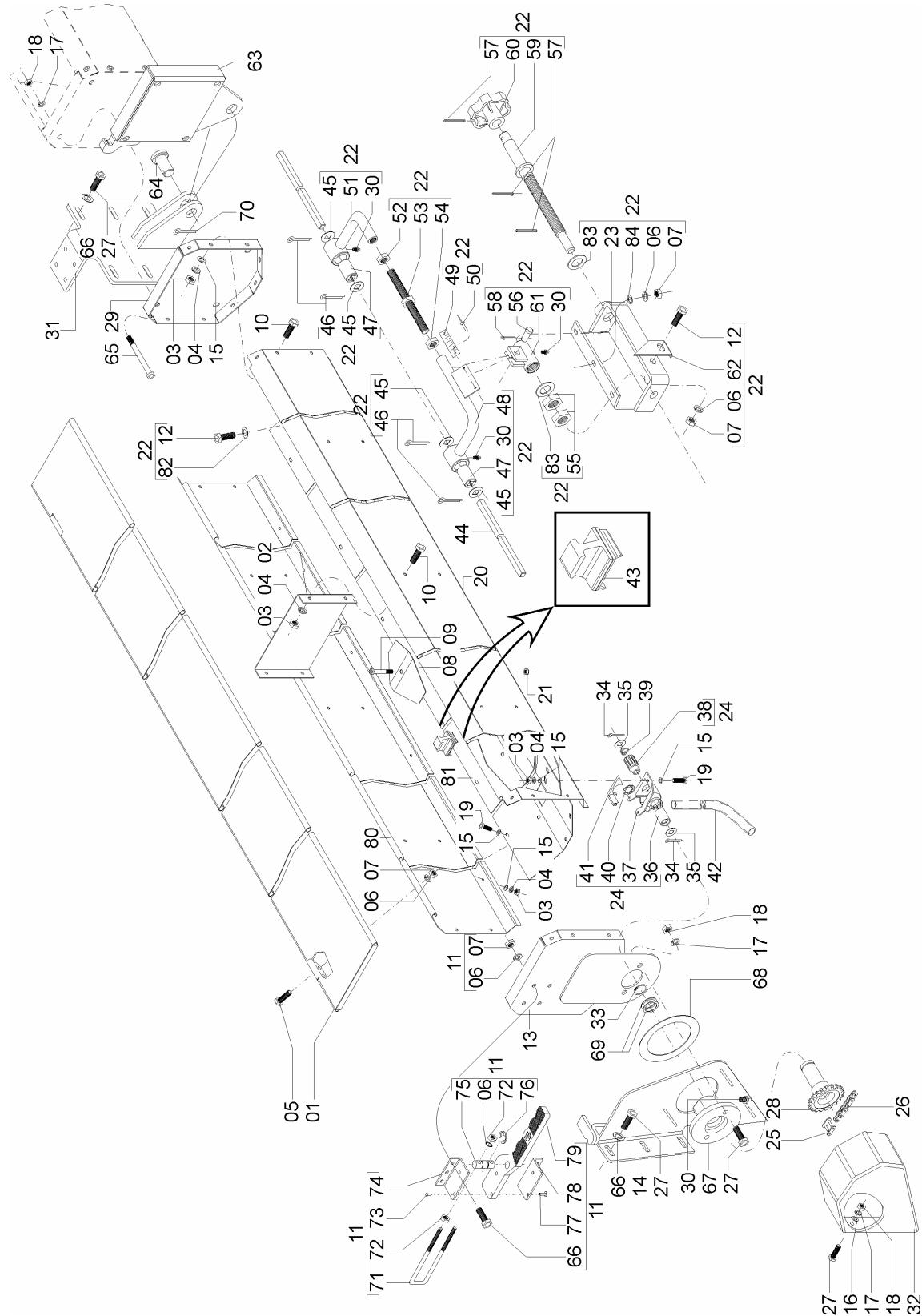
REF.	CODE	DENOMINATION	QT./ CJ.
47	818006060	M6X60 RI 8 HEXAGONAL HEAD SCREW.....	34
48	818706016	M6X16 HEXAGONAL HEAD SCREW	110
49	818708020	M8X20 HEXAGONAL HEAD SCREW	16
50	83010110	M 10 PRESSURE WASHER	22
51	83010108	M 8 PRESSURE WASHER	24
52	83010106	M 6 PRESSURE WASHER	144
53	82000708	M 8 DS SELF-LOCKING NUT	12
54	82050712	M 12 HEXAGONAL NUT	10
55	82000716	M 16 DS SELF-LOCKING NUT	8
56	82050706	M 6 HEXAGONAL NUT	144
57	82050708	M 8 HEXAGONAL NUT	16
58	82050710	M 10 HEXAGONAL NUT	24
59	818708030	M 8X30 HEXAGONAL HEAD SCREW	4

Parts Catalog



TDNG 520 AND TDNG 520

25295300 - TDNG 520's TILTING PASTURE HOPPER (OPTIONAL)



Parts Catalog

TDNG 520 AND TDNG 520



25295300 - TDNG 520's TILTING PASTURE HOPPER (OPTIONAL)

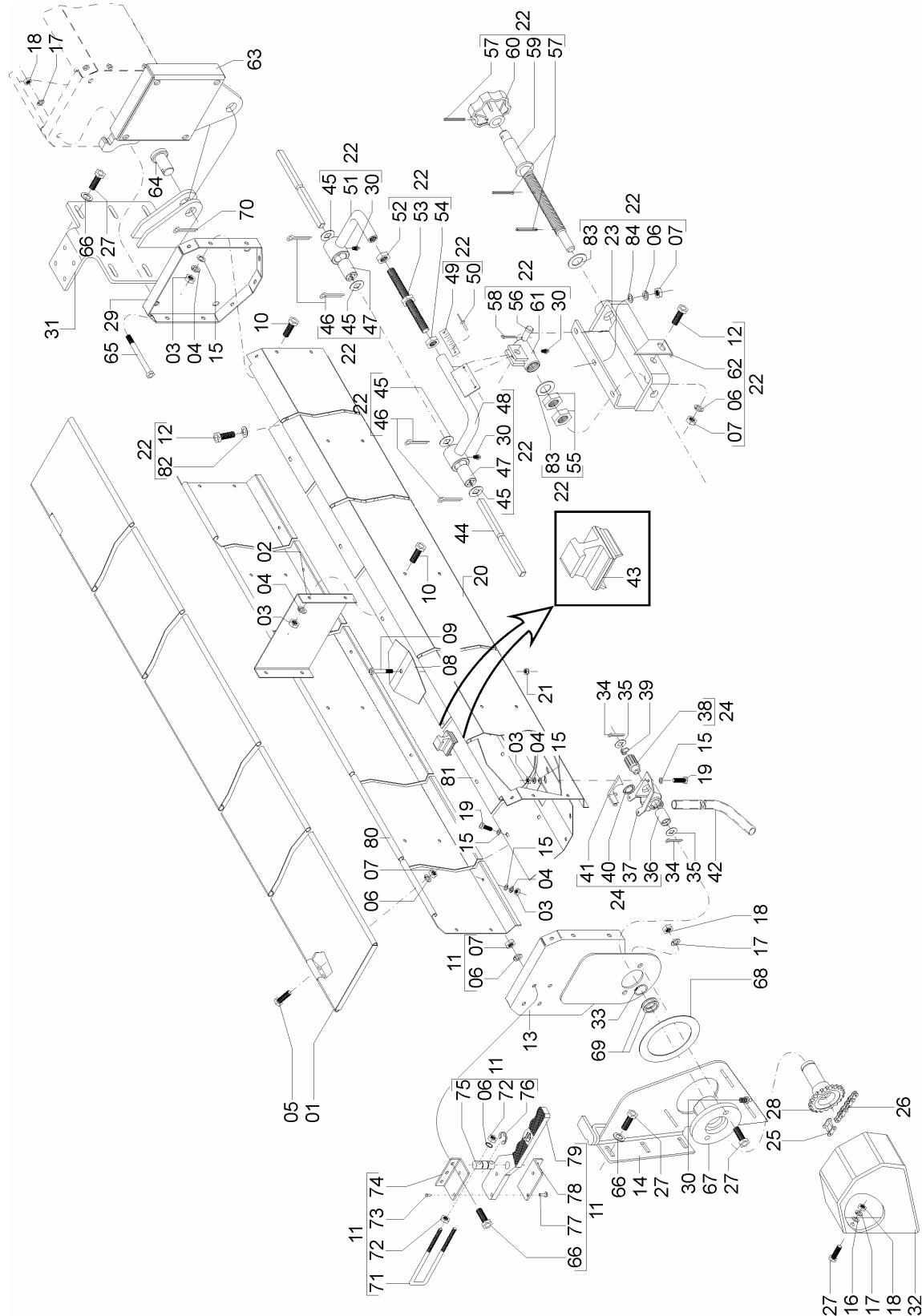
REF.	CODE	DENOMINATION	QT./MACH.
01	25132200	LID	2
02	15190038	SPLITTER	4
03	82050705	M 5 HEXAGONAL NUT	172
04	83010105	M 5 PRESSURE WASHER	172
05	818706012	M 6 X 12 HEXAGONAL SCREW	16
06	83010106	M 6 PRESSURE WASHER	25
07	82050706	M 6 HEXAGONAL NUT	23
08	15190024	LID	31
09	818706025	M 6 X 25 HEXAGONAL SCREW	31
10	818705010	M 5 X 10 HEXAGONAL SCREW	110
11	58175300	STUD	2
12	818706016	M 6 X 16 HEXAGONAL SCREW	8
13	25130700	CJ. CABECEIRA DIREITA	1
13	25130800	CJ. CABECEIRA ESQUERDA	1
14	25132000	HOPPER'S RIGHT FIXER	2
14	25132500	HOPPER'S LEFT FIXER	2
15	03100411	M 5 PLAIN WASHER	172
16	01020010	M 8 PLAIN WASHER	16
17	83010108	M 8 PRESSURE WASHER	20
18	82050708	M 8 HEXAGONAL NUT	20
19	818705016	M 5 X 16 HEXAGONAL SCREW	96
20	25130043	FRONT PLATE	2
21	82010706	M 6 SELF-LOCKING NUT	31
22	25135101	PASTURE SEED ADJUSTMENT	1
23	15191300	SHAFT SUPPORT	1
24	15195004	PASTURE SEED HOPPER	32
25	91226000	AMEND - ASA 40	2
26	91126000	ROLLER CHAIN - ASA 40 (110 LINKS)	2
27	818708020	M 8 X 20 HEXAGONAL SCREW	8
28	15190002	Z-20 GEAR	2
29	25130016	CJ. CABECEIRA CENTRAL	2
30	84300618	M 6 X 1 STRAIGHT GREASE FITTING	5
31	25132100	PASTURE SEED SUPPORT	1
32	25130006	LEFT PROTECTION	1
32	25130007	RIGHT PROTECTION	1
33	90220025	E-25 ELASTIC RING	2
34	85001235	1/8" X 1" COTTER PIN	64
35	01130012	WASHER	64
36	15190047	ROTOR GUIDE	32
37	15190065	SEED DISTRIBUTION HOPPER	32
38	15190046	Z-12 ROTOR	32
39	01130013	SPRING	32
40	15190048	NOTCHED WASHER	32
41	15190064	SWITCH	32
42	25130040	CONDUCTOR	32
43	15190063	PASTURE HOPPER'S SWITCH	18
44	25130045	SHAFT	2
45	15190043	REST PLATE	4
45	15190037	ADJUSTMENT PLATE (0,55mm ESP.)	4
46	85001435	5/32" X 1" COTTER PIN	4
47	15190040	BUSHING	2
48	25130400	LEFT SHANK	1
49	23130005	SCALE	1
50	87301221	3,2 X 8,9 POP RIVET	2



Parts Catalog

TDNG 520 AND TDNG 520

**25295300 - TDNG 520's TILTING PASTURE HOPPER
(OPTIONAL) (continuance)**



Parts Catalog

TDNG 520 AND TDNG 520



25295300 - TDNG 520's TILTING PASTURE HOPPER (OPTIONAL) (continuance)

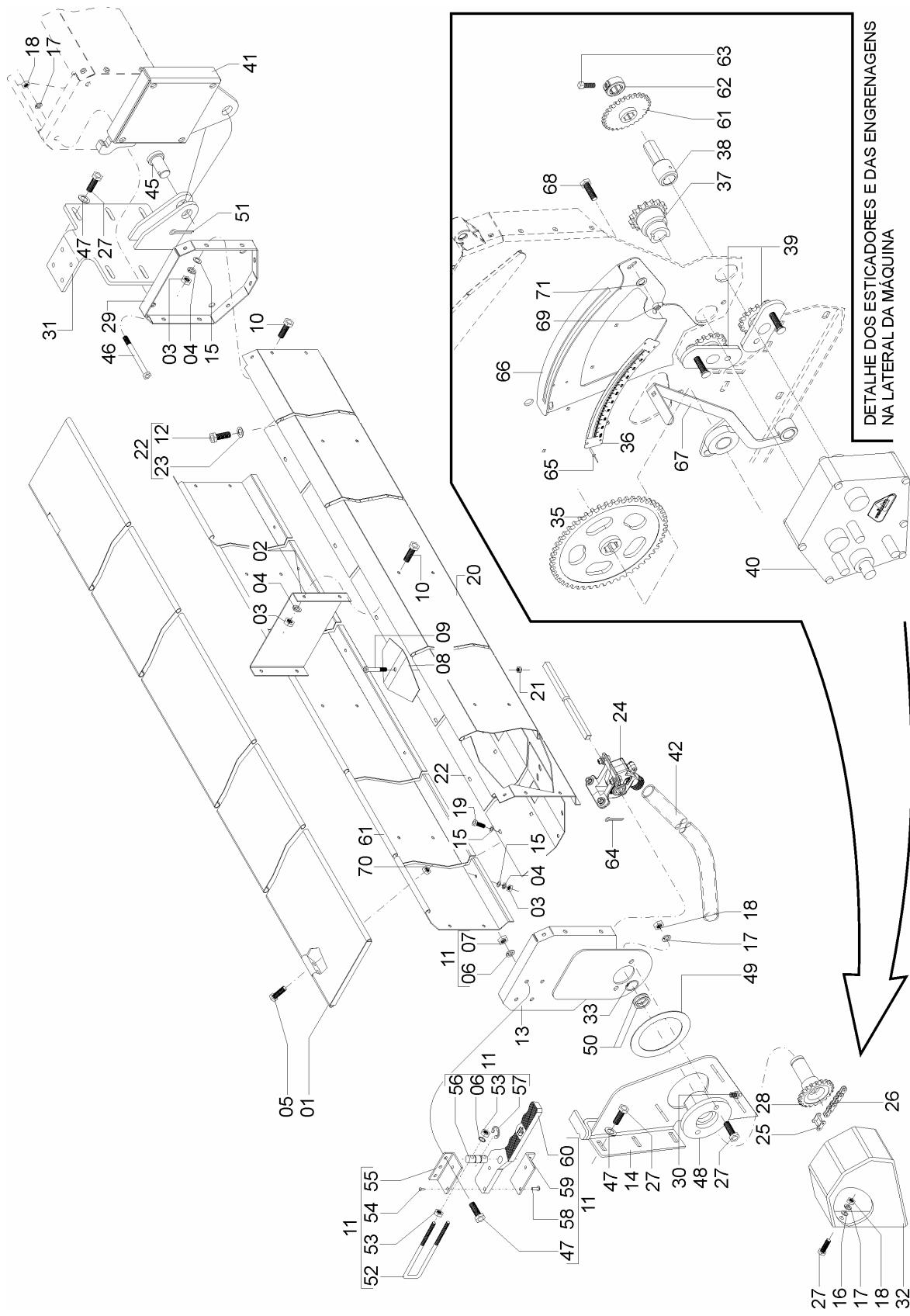
REF.	CODE	DENOMINATION	QT./MACH.
51	25130300	RIGHT SHANK	1
52	82050126	HEXAGONAL NUT - UNC. 1/2"	1
53	15190041	FUSE	1
54	15190039	LEFT NUT	1
55	82051718	M 18 HEXAGONAL NUT	3
56	15090045	PIN	1
57	92010526	5 X 26 ELASTIC PIN	3
58	85001035	5/32" X 1" COTTER PIN	1
59	15190066	SHAFT	1
60	28020021	HANDLE	1
61	15090700	REGULATOR NUT	1
62	15090046	POINTER	1
63	25131100	PASTURE HOPPER CONJUNCT	1
64	25130014	PIN	4
65	818708050	M 8 X 50 HEXAGONAL SCREW.....	4
66	818708025	M 8 X 25 HEXAGONAL SCREW.....	16
67	25130900	BEARING	2
68	25130015	WASHER	2
69	28040015	WASHER	8
70	85001635	3/16" X 1 COTTER PIN.....	1
71	58170004	LOOP	1
72	82150706	MA 6 STAINLESS STEEL HEXAGONAL NUT	4
73	AR 03020004	KNURLED MALE RIVET	1
74	58170006	LEFT SUPPORT	1
75	58170005	ARTICULATOR SHAFT	1
76	90220112	E-12 ESP. ELASTIC RING	2
77	AR 03020009	Ø 5 X 17mm FEMALE RIVET.....	1
78	58170007	RIGHT SUPPORT	1
79	58175301	STUD	1
80	25130044	REAR PLATE	2
81	25130042	RIGHT BOTTOM	1
81	25130041	LEFT BOTTOM	1
82	15200005	PLAIN WASHER	2
83	28030017	WASHER	2
84	01100023	PLAIN WASHER	7
85	25130015	WASHER	2

Parts Catalog



TDNG 520 AND TDNG 520

25135900 - TDNG 520's MICRO-GRANULATE PASTURE HOPPER



Parts Catalog

TDNG 300 E - TDNG 300 E Seed


25086900 – FERTILIZER METERING STAR FEED WHEEL – STAINLESS STEEL

REF.	CÓDE	DENOMINATION	QT./MACH.
01	01100059	HANDLE	1
02	83080106	STAINLESS STEEL LOCK SPRING WASHER M 6	53
03	8181006016	STAINLESS STEEL HEXAGONAL BOLT 6 X 16	39
04	15080014	LEFT SCALE	1
05	8181006025	STAINLESS STEEL HEXAGONAL BOLT 6 X 25	2
06	56120023	STAINLESS STEEL FLAT WASHER M 6	2
07	816808030	COUNTERSUNK BOLT 8 X 30 (8.8)	1
08	82150706	STAINLESS STEEL HEXAGONAL NUT M 6	55
09	818710016	STAINLESS STEEL HEXAGONAL BOLT 10 X 16	1
10	8181008020	STAINLESS STEEL HEXAGONAL BOLT 8 X 20	6
11	25080037	RIGHT FETILIZER SHAFT	1
11	25080038	LEFT FERTILIZER SHAFT	1
12	08050012	FERTILIZER EXIT PLUG RO-42 (ADITIONAL)	12
13	56120025	STAINLESS STEEL FLAT WASHER M 8	7
14	83080108	STAINLESS STEEL LOCK SPRING WASHER M 8	13
15	82020708	WING NUT M 8	1
16	15080002	LEFT LEVER	1
17	25081700	ADJUTMENT SHAFT SET	1
18	15080020	BUSHING	1
19	15080003	STOP	1
20	15080004	FERTILIZER EXIT ADJUSTER	17
21	8181008016	STAINLESS STEEL HEXAGONAL BOLT 8 X 16	23
22	26200010	SHAFT SUPPORT	6
23	82150708	STAINLESS STEEL HEXAGONAL NUT M 8	12
24	25080041	CENTRAL TILE	1
25	25081800	RIGHT TILE SET.....	1
25	25081900	LEFT TILE SET	1
26	15080101	STAR FEED WHEEL Z-12	17
27	01090102	PIN	17
28	15080100	FERTILIZER STAR FEED WHEEL SET Z-12	17
29	28040046	COTTER PIN	1
30	25080040	BUSHING	2
31	01090030	PINON	17
32	01090029	BEVEL WHEEL Z-12	17
33	03090018	BUSHING	17
34	03100052	FLAT WASHER M 30	17
35	84300818	STRAIGHT GREASE ZERK M 8 X 1,25	34
36	25080010	CENTRAL TABLE	1
36	15080019	FERTILIZER METERING TABLE	16
37	8181008016	STAINLESS STEEL BOLT M 6 X 16	17
38	85001435	COTTER PIN 5/ 32" X 1 "	4
39	15040028	TUBE	8
40	37090001	CURVED TUBE	9
41	815104016	BOLT 4,8 X 16	9
42	25080039	SHAFT	2



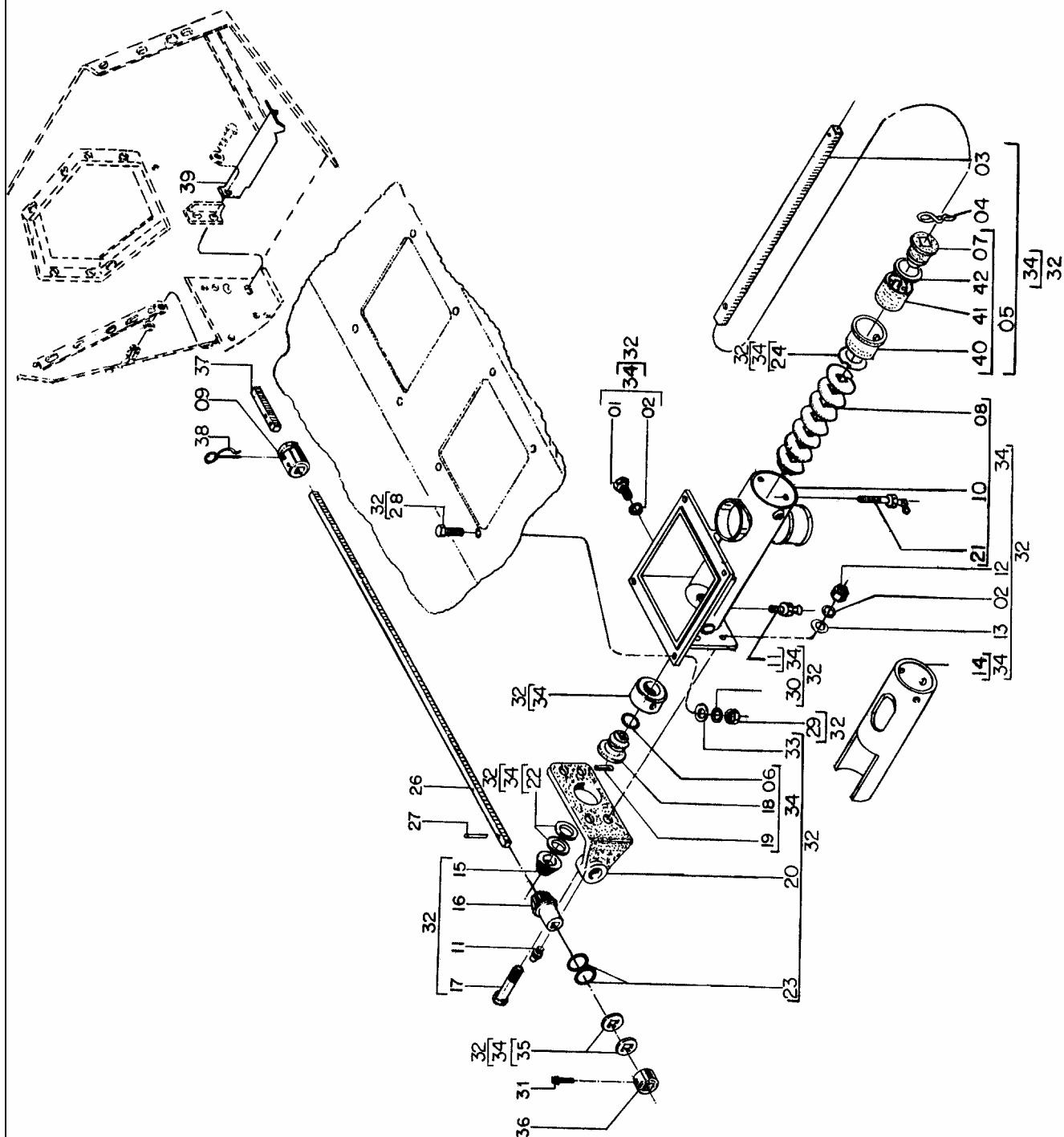
Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25088100 – FERTILIZER AUGER METERING SET 3/4" – STAINLESS STEEL BOX – TDNG 300E

25088200 – FERTILIZER AUGER METERING SET 1" – STAINLESS STEEL BOX – TDNG 300E

25088300 – FERTILIZER AUGER METERING SET 2" – STAINLESS STEEL BOX – TDNG 300E



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25088100 – FERTILIZER AUGER METERING SET 3/4" – STAINLESS STEEL BOX – TDNG 300E

25088200 – FERTILIZER AUGER METERING SET 1" – STAINLESS STEEL BOX – TDNG 300E

25088300 – FERTILIZER AUGER METERING SET 2" – STAINLESS STEEL BOX – TDNG 300E

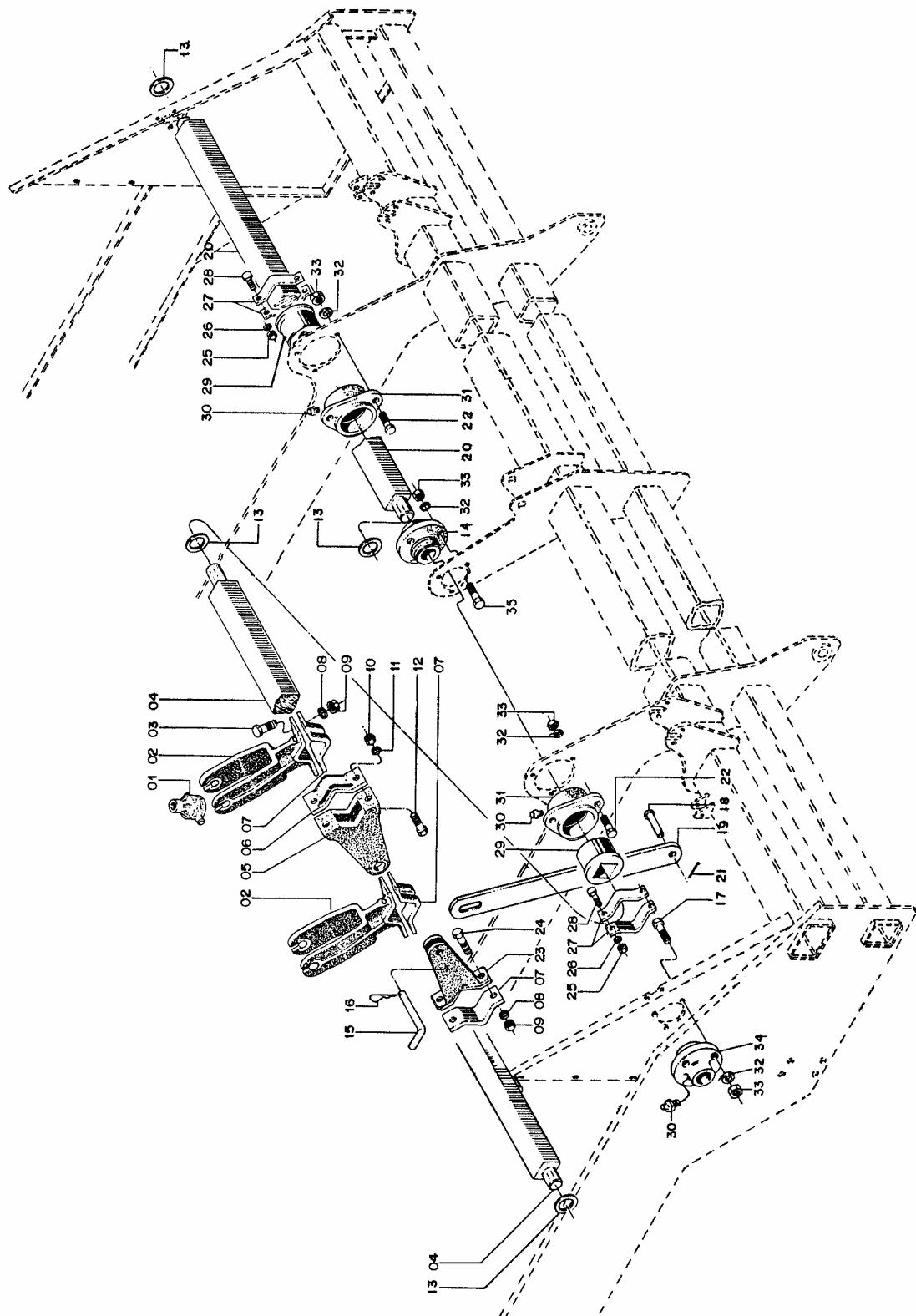
REF.	CÓDE	DOMINATION	25088100	25088200	25088300
01	8181008020	STAINLESS STEEL HEXAGONAL BOLT M 8 X 20	1	1	1
02	83080108	LOCK SPRING WASHER M 8	5	-	-
02	83010108	LOCK SPRING WASHER M 8	-	5	5
03	03090036	SHAFT	1	1	1
04	85001635	COTTER PIN 3/16" X 1"	1	1	1
05	06076700	SAFT BEARING SET	1	1	1
06	90112216	O'RING 2-216	1	1	1
07	06070040	BUSHING	1	1	1
08	06070058	LEFT AUGER 3/4"	1	-	-
08	06070037	LEFT AUGER 1"	-	1	-
08	36080005	LEFT AUGER 2"	-	-	1
09	25080040	BUSHING	2	2	2
10	06070059	AUGER BASE	1	1	1
11	84300818	STRAIGHT GREASE ZERK M 8 X 1,25	2	2	2
12	82050708	HEXAGONAL NUT M 8	-	4	4
12	82150708	STAINLESS STEEL HEXAGONAL NUT M 8	4	-	-
13	01020010	FLAT WASHER	-	4	4
14	06070060	AUGER TUBE	1	1	1
15	03090034	DRIVEN PINION	1	1	1
16	03090045	DRIVER PINION	1	1	1
17	818708025	HEXAGONAL BOLT M 8 X 25	-	4	4
17	8181008030	STAINLESS STEEL HEXAGONAL BOLT M 8 X 30	4	-	-
18	06070041	BUSHING	1	1	1
19	92010520	PIN Ø 5 X 20	1	1	1
20	25080024	SHAFT BEARING	1	1	1
21	84050835	GREASE ZERK	1	1	1
22	03090046	WASHER	2	2	2
23	03100052	FLAT WASHER	1	1	1
24	06070063	TOOTHED WASHER	1	1	1
25	06070042	BUSHING	1	1	1
26	25080044	RIGHT SHAFT	1	1	1
26	25080045	LEFT SHAFT	1	1	1
27	92010420	PIN 4 X 20	2	2	2
28	818706020	HEXAGONAL BOLT M 6 X 20	4	4	4
29	82150706	STAINLESS STEEL HEXAGONAL NUT M 6	4	4	4
30	83080106	STAINLESS STEEL LOCK SPRING WASHER M 6	4	4	4
31	28060025	BOLT	2	2	2
32	56155403	LEFT FERTILIZER AUGER METERING SET 3/4"	1	-	-
32	25085801	LEFT FERTILIZER AUGER METERING 1"	-	1	-
32	25086701	LEFT FERTILIZER AUGER METERING 2"	-	-	1
33	56120023	STAINLESS STEEL FLAT WASHER M 6	-	4	4
33	56120025	STAINLESS STEEL FLAT WASHER M 8	4	-	-
34	56155404	LEFT AUGER BASE SET 3/4"	1	-	-
34	25085202	LEFT AUGER METERING SET 1"	-	1	-
34	25086302	LEFT AUGER METERING SET 2"	-	-	1
35	15090038	WASHER	2	2	2
36	35050001	STOP	2	2	2
37	25080039	SHAFT	2	2	2
38	28040046	COTTER PIN	2	2	2
39	25080042	RIGHT TERMINAL FERTILIZER BOTOM	1	1	1
39	25080043	LEFT TERMINAL FERTILIZER BOTOM	1	1	1
40	06070065	BUSHING	1	1	1
41	06070064	BUSHING	1	1	1
42	90112216	O'RING 2-216	1	1	1



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25055200 – DISKS LIFTING



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25055200 – DISKS LIFTING

REF.	CÓDE	DENOMINATION	QT./MACH.
01	25050003	GUIA VARETAS	17
02	25050004	ROD SUPPORT	17
03	818716070	HEXAGONAL BOLT M 16 X 70	38
04	25050019	RIGHT SHAFT	1
05	25050009	CYLINDER LEVER	2
06	25050010	CYLINDER LOOP	2
07	25050008	LOOP	19
08	83010116	LOCK SPRING WASHER M 16	44
09	82050716	HEXAGONAL NUT M 16	44
10	8205072008	HEXAGONAL NUT DIN 934 MA 20-8	4
11	83010120	LOCK SPRING WASHER M 20	4
12	818820080	HEXAGONAL BOLT M 20 X 80 (8.8)	4
13	25050015	WASHER	4
14	25050001	SHAFT BEARING	3
15	03060004	PIN	2
16	15070001	COTTER PIN	2
17	818712035	HEXAGONAL BOLT M 12 X 35	6
18	01050025	PIN	2
19	25050017	CYLINDER LOCK	2
20	25050020	LEFT SHAFT	1
21	85001435	COTTER PIN 5/32" X 1"	2
22	818712040	HEXAGONAL BOLT M 12 X 40	9
23	25050005	LOCK SUPPORT	2
24	818716060	HEXAGONAL BOLT M 16 X 60	3
25	82050708	HEXAGONAL NUT M 8	4
26	83010108	LOCK SPRING WASHER M 8	4
27	25050013	CLAMP	4
28	818708035	HEXAGONAL BOLT M 8 X 35	4
29	26040002	BUSHING	2
30	84300818	STRAIGHT GREASE ZERK M 8 X 1,25	5
31	26040001	SHAFT BEARING	2
32	83010112	LOCK SPRING WASHER M 12	15
33	82050712	HEXAGONAL NUT M 12	15

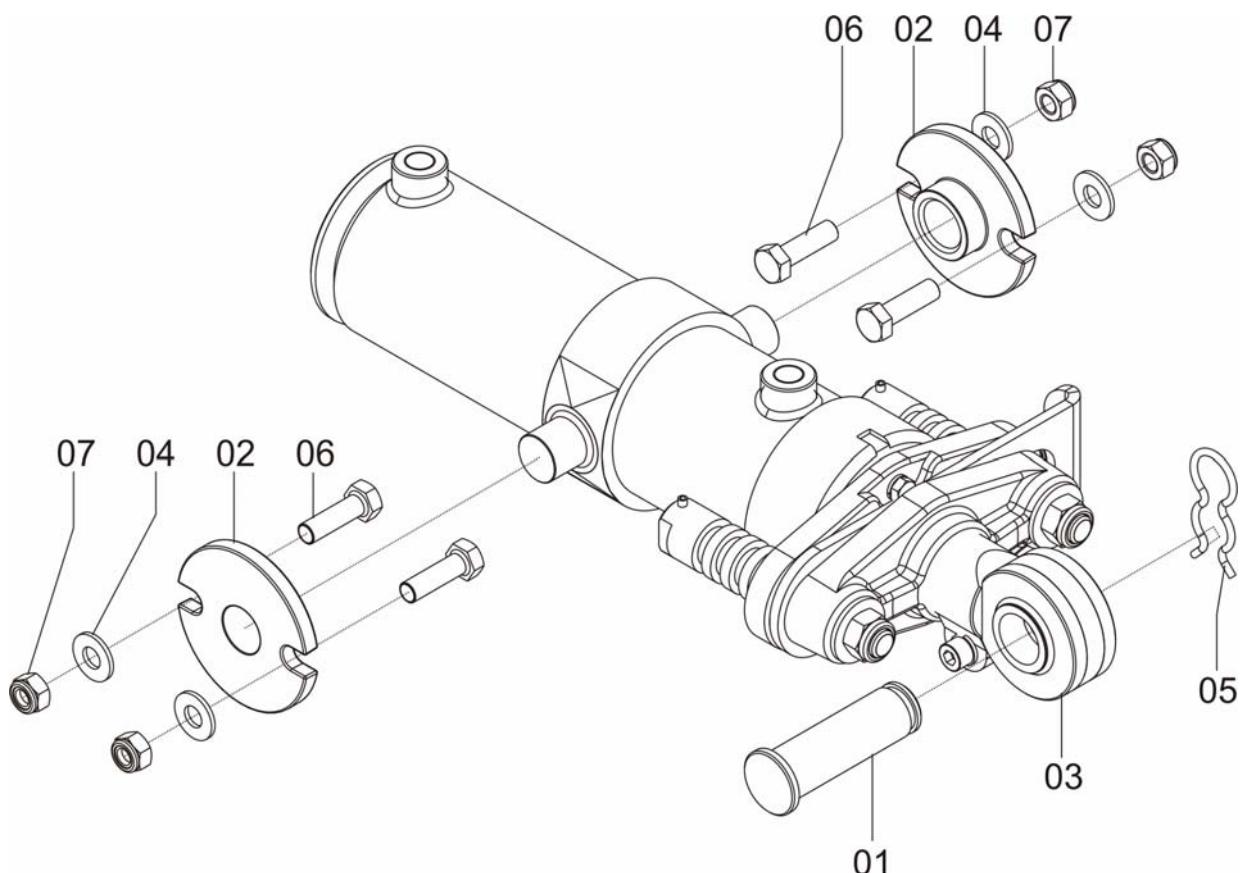


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25125800 – COMPLETE CYLINDER SET

REF.	CODE	DENOMINATION	QT./SET
01	25050018	PIN	1
02	25120005	FLANGE	2
03	25125805	HYDRAULIC CYLINDER SET	4
04	28040023	FLAT WASHER	4
05	28080014	COTTER PIN	1
06	818712040	HEXAGONAL BOLT M12 X 40	4
07	8200071208	LOCK NUT DIN 980 MA 12-8DS	4



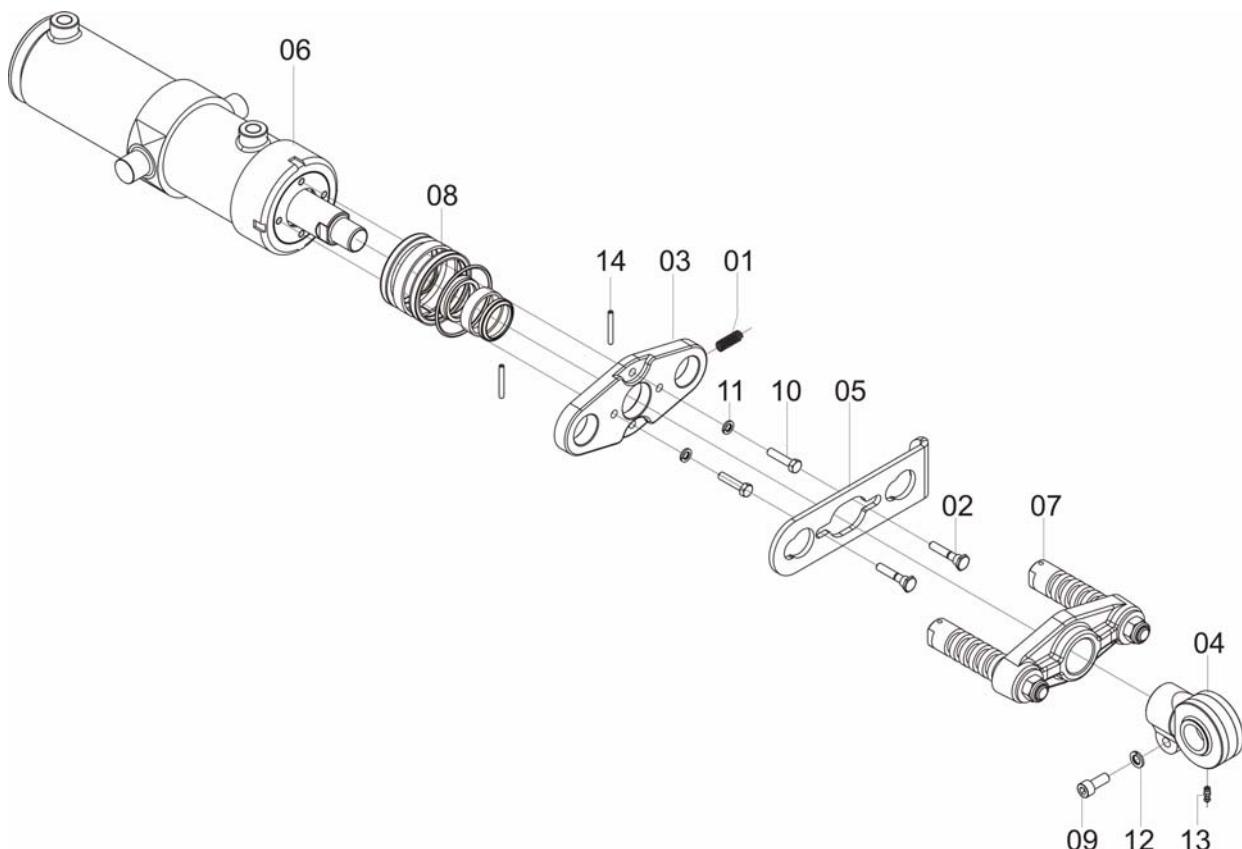
Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25125805 – HYDRAULIC CYLINDER SET 3.1/4"

REF.	CODE	DENOMINATION	QT./SET
01	15120016	LOCK SPRING	1
02	25120027	LOCK BOLT	2
03	25120036	CYLINDER GUIDE	1
04	25121100	HITCH SET	1
05	25122000	LOCK SET	1
06	25125801	HYDRAULIC CYLINDER SET 3.1/4	1
07	25125803	STOP SET	1
08	25125804	SEAL KIT FOR CYLINDER 25125800	1
09	811710025	ALLEN BOLT M10 X 25	1
10	818808025	HEXAGONAL BOLT M 8 X 25 8.8	2
11	83010108	LOCK SPRING WASHER M 8	2
12	83010110	LOCK SPRING WASHER M 10	1
13	84300618	STRAIGHT GREASE ZERK M6 X 1	1
14	92010540	PIN 5 X 40	2



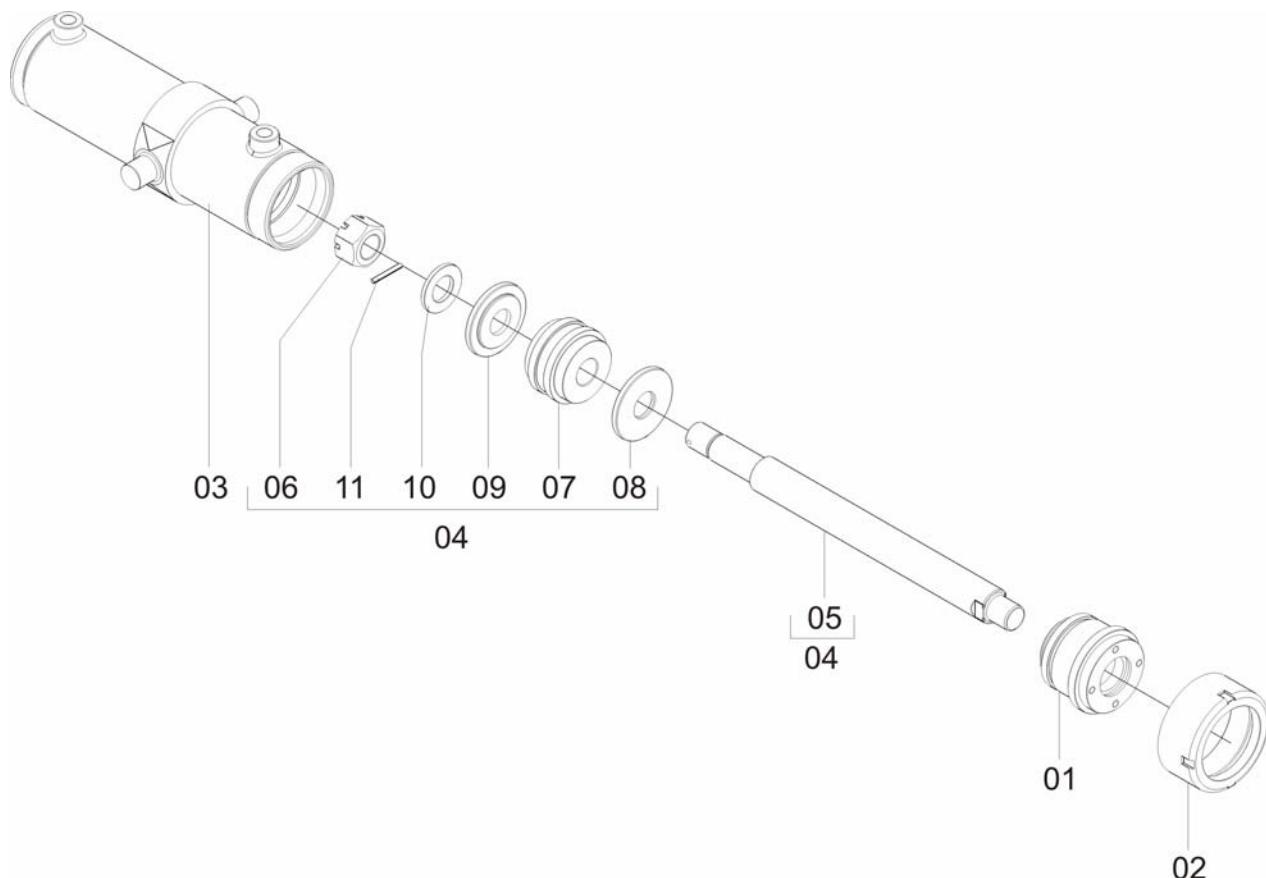


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25125801 – HYDRAULIC CYLINDER SET 3.1/4”

REF.	CODE	DENOMINATION	QT./SET
01	25120034	INTERNAL LID	1
02	25120035	EXTERNAL LID	1
03	25121900	CYLINDER TUBE SET	1
04	25125802	ROD/ PISTON SET	1
05	25120013	ROD	1
06	25120016	HEXAGONAL SLOTTED NUT M 28 X 2	1
07	25120030	ROD	1
08	25120031	SMALLER FLANGE PISTON	1
09	25120032	LARGE FLANGE PISTON	1
10	25120033	WASHER	1
11	92010540	PIN 5 X 40	1

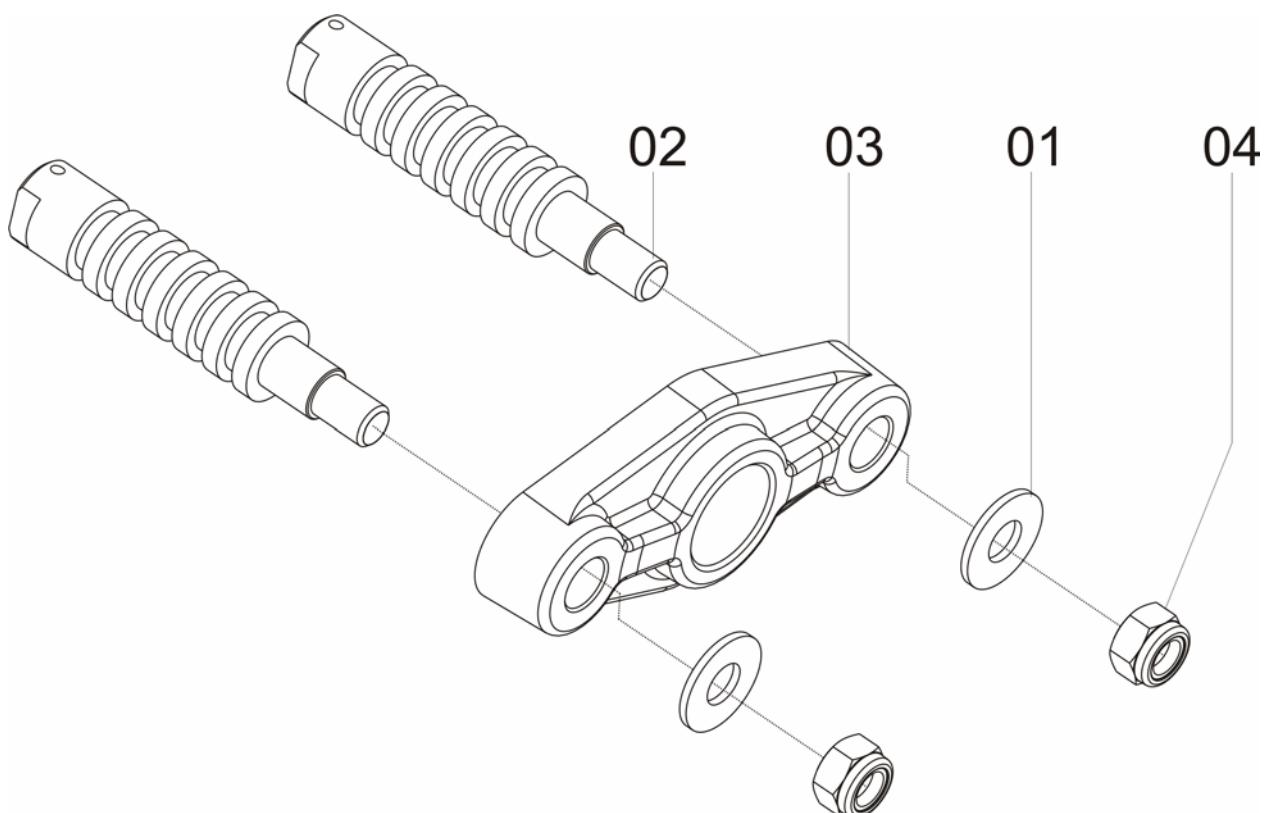


Parts Catalog
TDNG 300 E - TDNG 300 E Seed



25125803 – STOP SET

REF.	CODE	DENOMINATION	QT./SET
01	15140010	WASHER	2
02	25120026	LOCK SHAFT	2
03	25120037	STOP	1
04	8200071608	LOCK NUT DIN 980 MA16-08	2



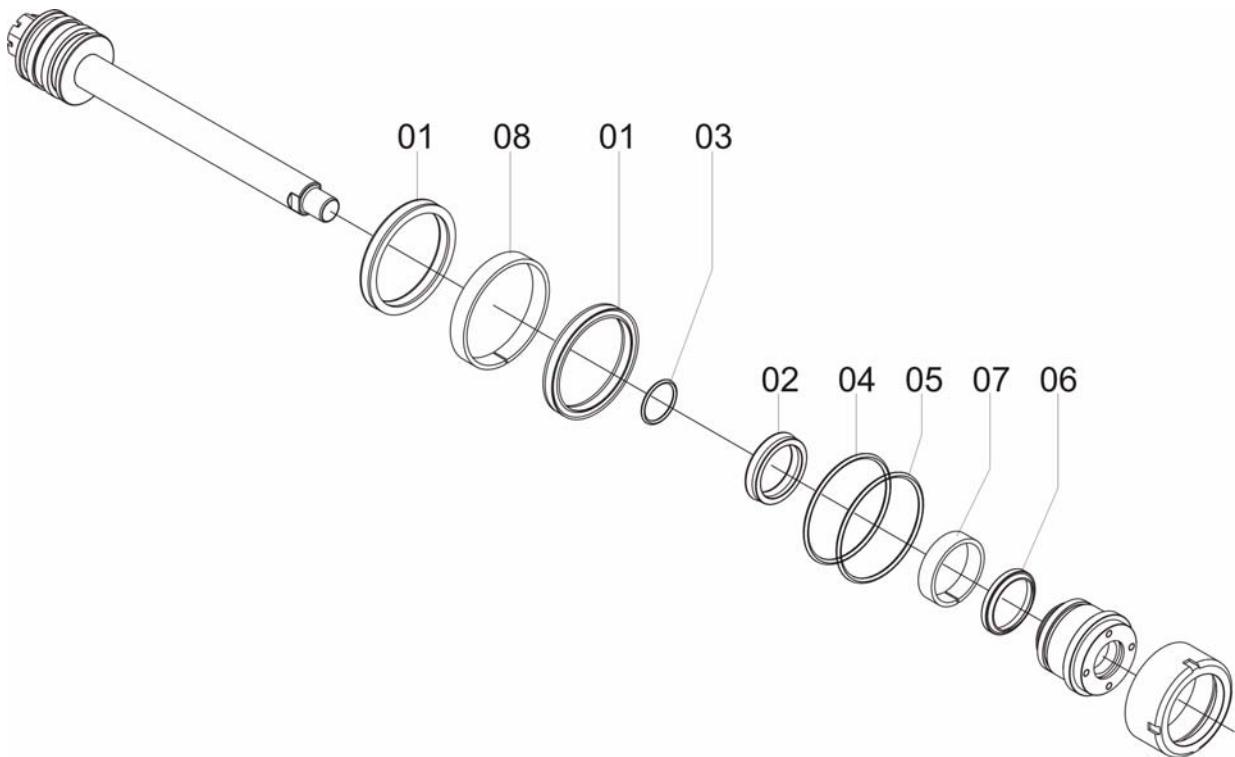


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25125804 – CYLINDER SEAL KIT - 25125800

REF.	CODE	DENOMINATION	QT./SET
01	86904162	RING POLIMYTE 2500275037.....	2
02	86904349	RING PARKER 25001500-375.....	1
03	90112122	ORING 2-122.....	1
04	90112234	ORING 2-234 N3006-90	1
05	90158234	RINGPARBAK 8-234	1
06	90511500	RING D-1500	1
07	90520507	ROD GUIDE RING D.42 W2.....	1
08	90526000	PISTON GUIDE RING W2- 3250.....	1



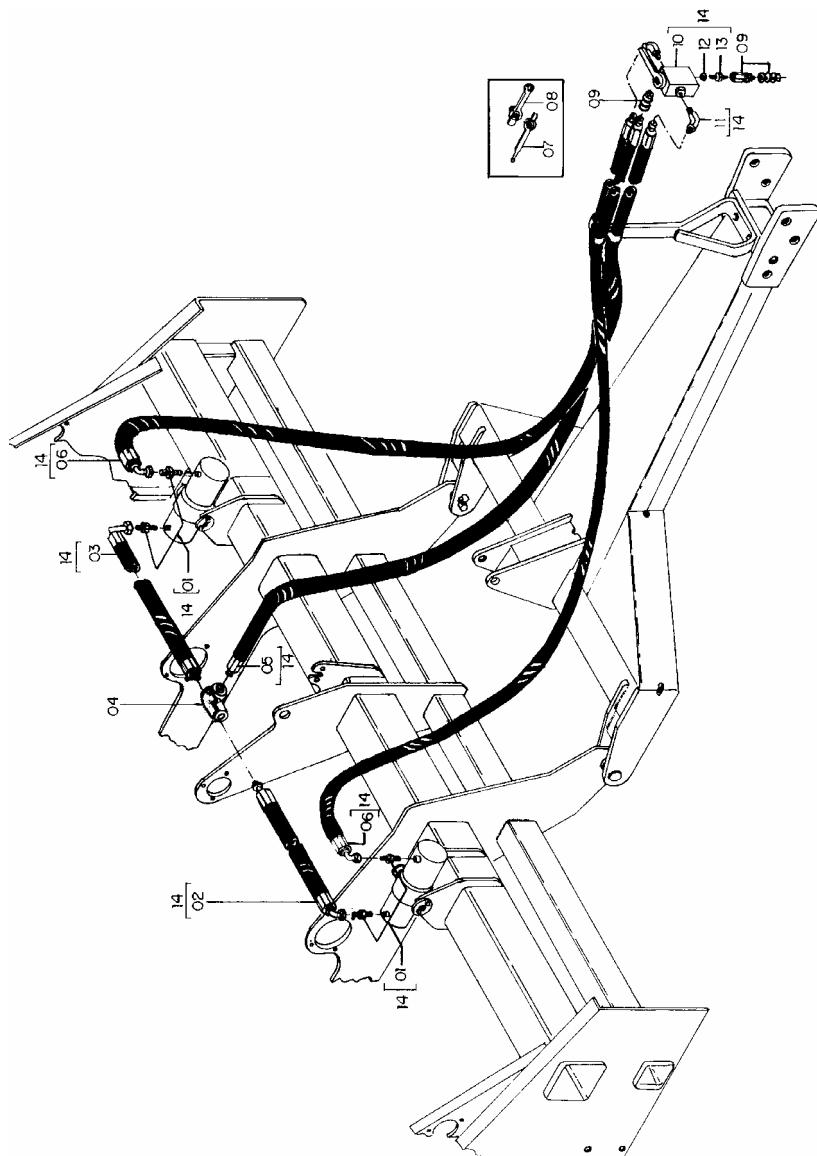
Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25125500 – HYDRAULIC SISTEM SET

REF.	CÓDE	DENOMINATION	QT./MACH.
01	05030009	ADAPTER NPT 7/8" X 3/8"	4
02	61120200	HOSE SET 1/2"	1
03	15122400	HOSE SET	1
04	05372662	"T" FÊMALE 1/2"	1
05	15121100	HOSE SET	1
06	25120600	HOSE SET 1/2"	2
07	05010053	QUICK COUPLER EXTERNAL LID	2
08	05010054	QUICK COUPLER INTERNAL LID (ADITIONAL)	2
09	05182594	ENGATE RÁPIDO S-40-4 1/2" NPT	2
10	05282232	VALVE 3/8"	1
11	05351220	MALE KNEE NPT 2024-6-10S	2
12	90112116	O'RING PARKER 2-116	1
13	15120027	VALVE ADAPTER 1/2" NPT X 7/8" NF	1
14	25125501	HOSE SET TDNG 300E	1



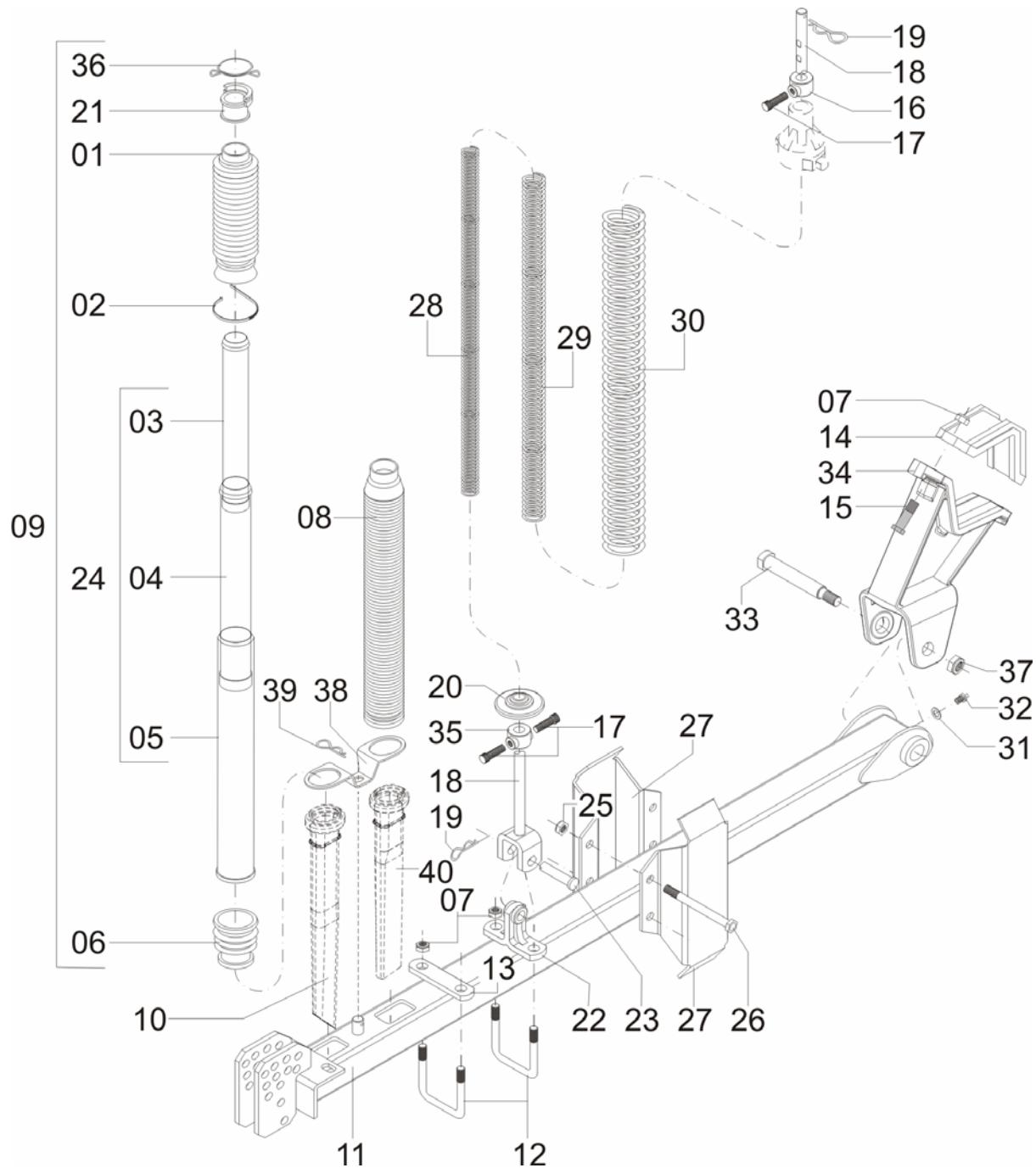


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25077200 – LATERAL ROW ASSEMBLY

25077300 – CENTRAL ROW ASSEMBLY



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25077200 – LATERAL ROW ASSEMBLY SET – TDNG 300E
25077300 – CENTRAL ROW ASSEMBLY SET – TDNG 300E**

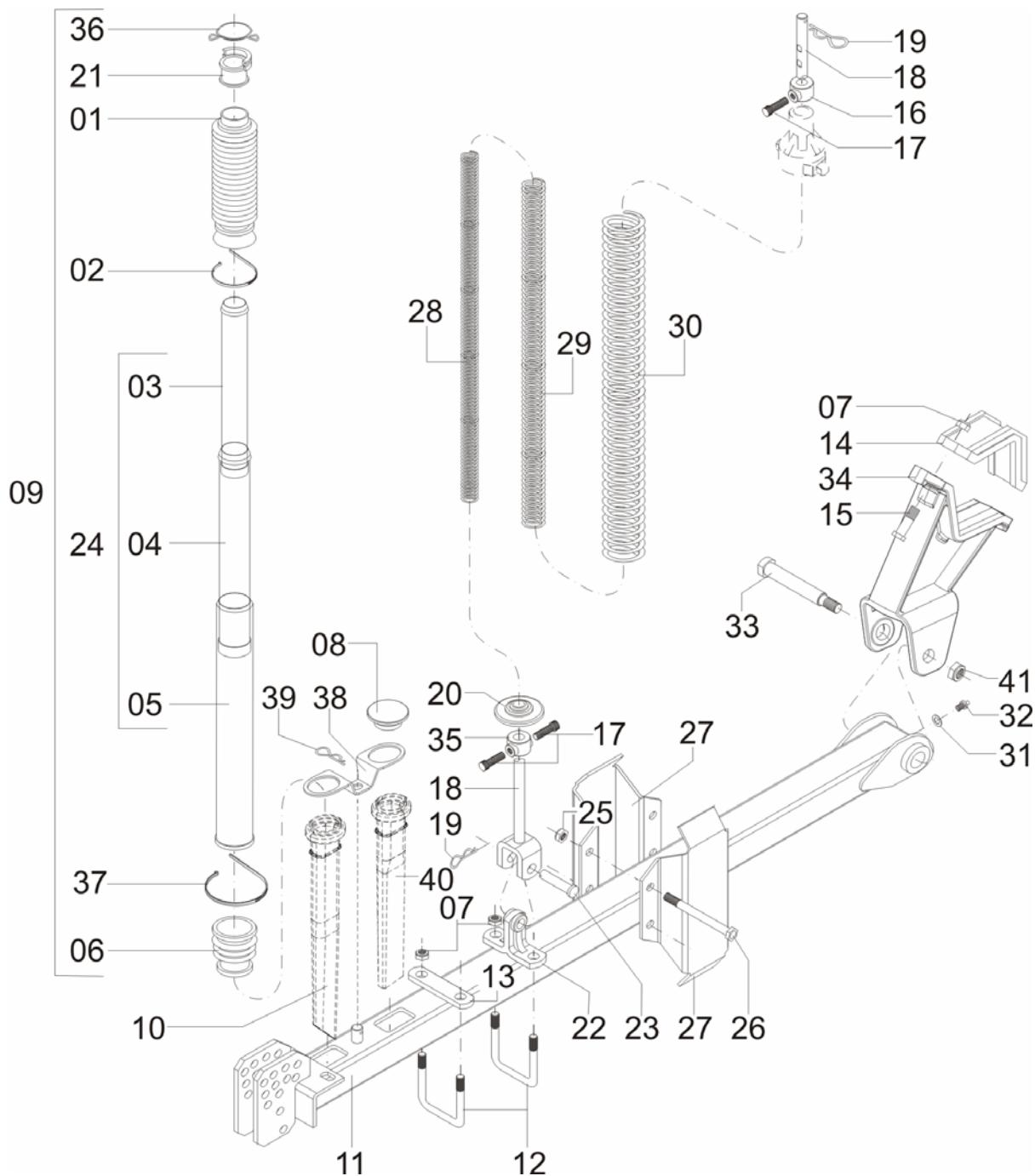
REF.	CÓDE	DENOMINATION	QT./ROW	
			25077200	25077300
01	35220013	TUBE	1	1
02	86050050	CLAMP	1	1
03	25070031	TUBE II	1	1
04	25070032	TUBE III	1	1
05	25070033	TUBE IV	1	1
06	15070045	TELESCÓPICO TUBE	1	1
07	82000716	LOCK NUT M 16 DS	8	8
08	25070014	FERTILIZER TUBE	1	1
09	25077800	TELESCÓPICO TUBE SET	1	1
10	25070091	SEED TUBE	1	1
11	25071100	ROW ARM SET	1	1
12	15070012	U-BOLT	3	3
13	15070011	LOOP	2	1
14	28160001	LOOP	1	1
15	818816075	HEXAGONAL BOLT M 16 X 75 (8.8)	2	2
16	03100022	STOP.....	1	1
17	03100024	BOLT	3	3
18	25070200	ROD SET	1	1
19	15070001	COTTER PIN	2	2
20	15070028	LOWER SPRING GUIDE	1	1
21	56020073	UPPER NOZZLE	1	1
22	15070021	ROD GUIDE	1	1
23	03130010	PIN	1	1
24	25075702	TELESCÓPIC TUBE SET.....	1	1
25	82000712	LOCK NUT M 12 DS	4	4
26	818812085	HEXAGONAL BOLT M 12 X 85 (8.8)	4	4
27	25070037	MOUNTING BRACKET SET	1	2
27	25070067	MOUNTING BRACKET SET.....	1	-
28	25070009	INTERNAL SPRING	1	1
29	25070010	INTERMEDIÁRY SPRING.....	1	1
30	25070011	EXTERNAL SPRING.....	1	1
31	15070071	FLAT WASHER	1	1
32	84300618	GREASE ZERK M 6 X 1	1	1
33	25070076	PIN	1	1
34	25070075	ROW SUPPORT	1	1
35	25140030	STOP.....	1	1
36	56020065	CLAMP.....	1	1
37	82000720	LOCK NUT M20 DS.....	1	1
38	25070095	TUBE LOOP	1	1
39	25070074	COTTER PIN	1	1
40	25070092	SEED TUBE	1	1



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25077400 – LATERAL ROW ASSEMBLY SET – TDNG 300E SEED
25077500 – CENTRAL ROW ASSEMBLY SET – TDNG 300E SEED



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25077400 - CJ. MONTAGEM LINHA LATERAL – TDNG 300E SEED
25077500 - CJ. MONTAGEM LINHA CENTRAL – TDNG 300E SEED**

REF.	CÓDE	DENOMINATION	QT./ROW	
			25077400	25077500
01	35220013	TUBE	1	1
02	86050050	CLAMP	1	1
03	25070031	TUBE II	1	1
04	25070032	TUBE III	1	1
05	25070033	TUB IV	1	1
06	15070045	TELESCÓPICO TUBE	1	1
07	82000716	LOCK NUT M 16 DS	8	8
08	25070072	TUBE LID	1	1
09	25078100	TELESCÓPICO TUBE SET	1	1
10	25070091	SEED TUBE	1	1
11	25071100	ROW ARM SET	1	1
12	15070012	U-BOLT	3	3
13	15070011	LOOP	2	1
14	28160001	LOOP	1	1
15	818816075	HEXAGONAL BOLT M 16 X 75 (8.8)	2	2
16	03100022	STOP	1	1
17	03100024	BOLT	3	3
18	25070200	ROD SET	1	1
19	15070001	COTTER PIN	2	2
20	15070028	LOWER SPRING GUIDE	1	1
21	25070073	UPPER NOZZLE	1	1
22	15070021	ROD GUIDE	1	1
23	03130010	PIN	1	1
24	25075702	LOWER TELESCÓPIC TUBE	1	1
25	82000712	LOCK NUT M 12 DS	4	4
26	818812085	HEXAGONAL BOLT M 12 X 85 (8.8)	4	4
27	25070037	MOUNTING BRACKET SET	1	2
27	25070067	MOUNTING BRACKET SET	1	-
28	25070009	INTERNAL SPRING	1	1
29	25070010	INTERMEDIÁRY SPRING	1	1
30	25070011	EXTERNAL SPRING	1	1
31	15070071	FLAT WASHER	1	1
32	84300618	GREASE ZERK M 6 X 1	1	1
33	25070076	PIN	1	1
34	25070075	ROW SUPPORT	1	1
35	25140030	STOP	1	1
36	56020065	COTTER PIN	1	1
37	86050055	CLAMP INSULOCK 4,8X250.....	1	1
38	25070095	TUBE CLAMP.....	1	1
39	25070074	COTTER PIN.....	1	1
40	25070092	SEED TUBE	1	1
41	82000720	LOCK NUT M20DS	1	1

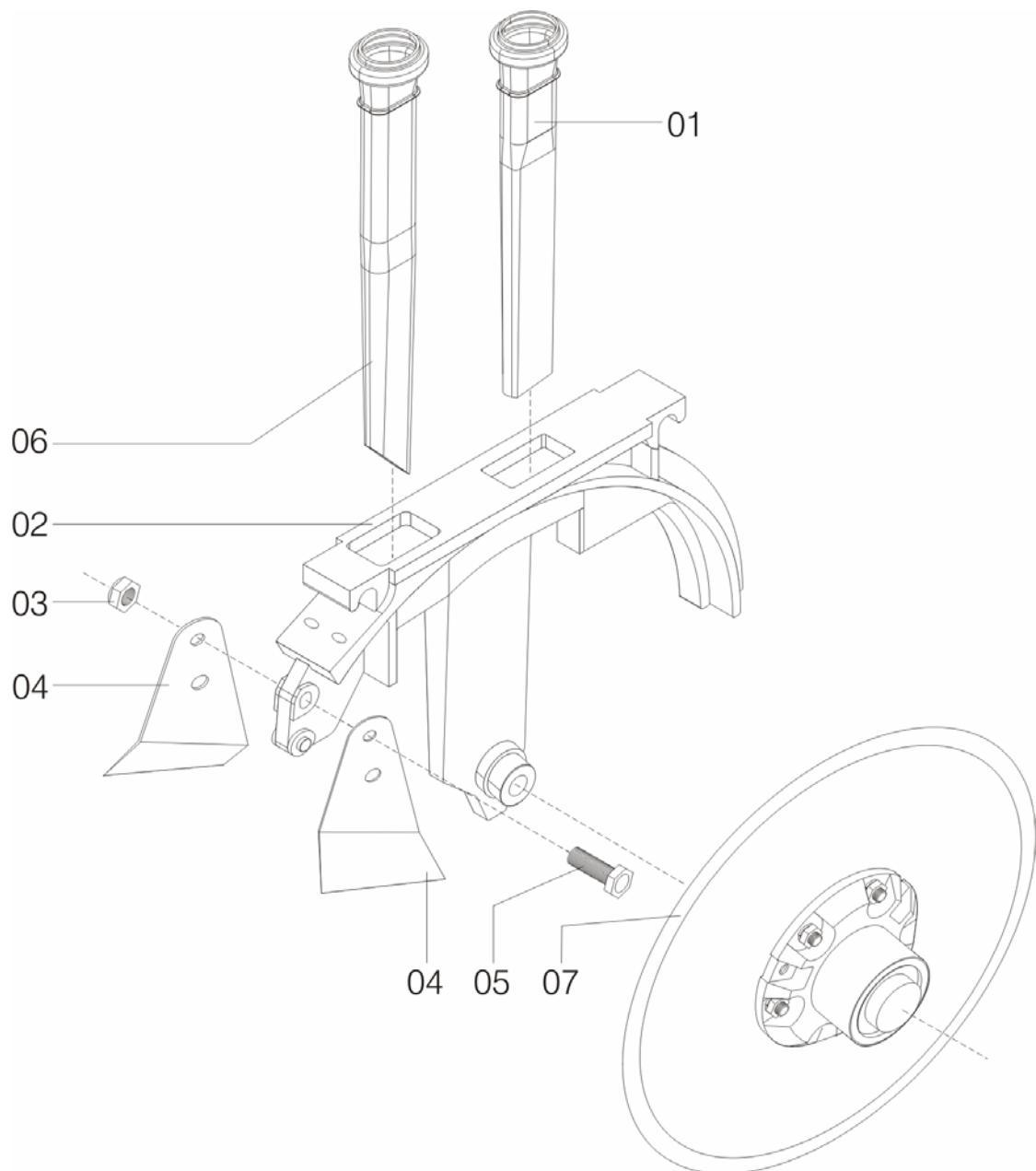


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25075019 – OFFSET DOUBLE DISK SET 15" X15.1/2"

01	25070092	FERTILIZER TUBE	1
02	25070026	DISKS SUPPORT	1
03	82000708	LOCK NUT M8 DS	1
04	15070056	RIGHT SCRAPER	1
04	15070057	LEFT SCRAPER	1
05	818708040	HEXAGONAL BOLT M 8X40	1
06	25070091	SEED TUBE	1
07	25075004	FLAT DISK 15.1/2"	1
07	25075005	FLAT DISK 15"	1



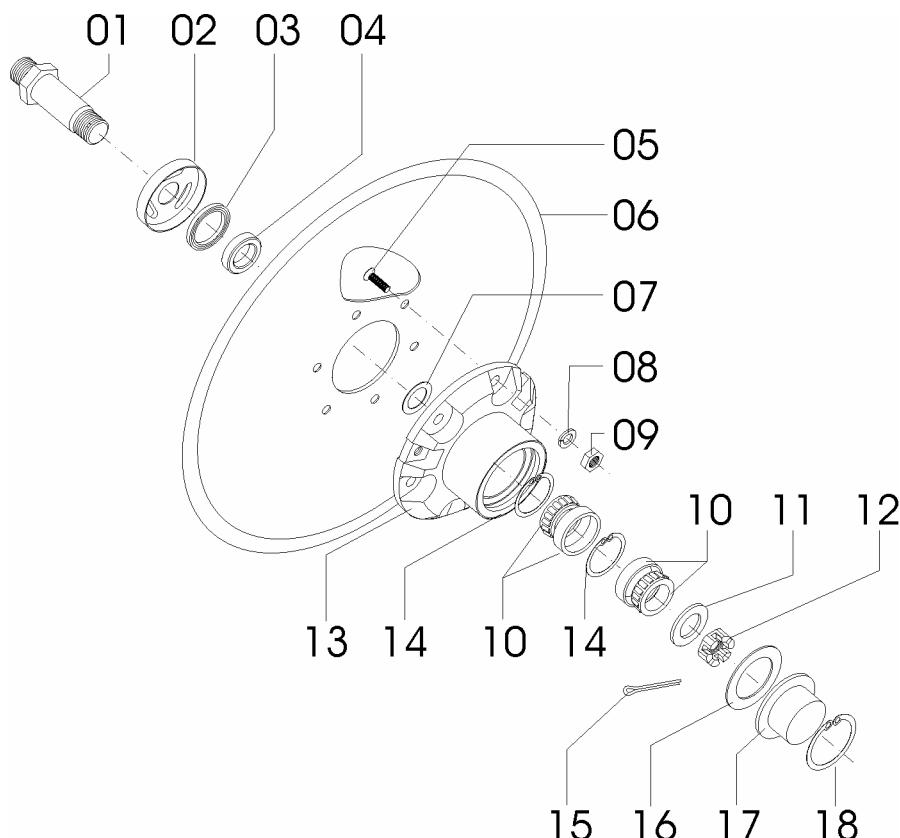
Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25075004 – FLAT DISK SET 15.1/2”
25075005 – FLAT DISK SET 15”**

REF.	CÓDIGO	DENOMINAÇÃO	QT./ CJ.	
			25075004	25075005
01	25070024	RIGHT SHAFT.....	1	-
01	25070025	LEFT SHAFT.....	-	1
02	25070036	HUB CAP	1	1
03	89201707	RETAINER 01707 – BRG	1	1
04	25070027	BUSHING	1	1
05	81980802001	SCREW M8 X 20 8.8 DIN 965	6	6
06	28320017	FLAT DISK 15.1/2 “X 4,00.....	1	1
06	28320018	FLAT DISK 15.1/2 “X 3,50.....	1	1
07	28030017	FLAT WASHER	1	1
08	83010108	LOCK SPRING WASHER M 8.....	6	6
09	8205070808	HEXAGONAL NUT DIN 934 MA 08-08.....	6	6
10	88330204	CONW BEARING 30204.....	2	2
11	25070046	FLAT WASHER.....	1	1
12	82030716	HEXAGONAL SLOTTED NUT M 16 DIN. 979.....	1	1
13	25070040	HUB	1	1
14	90220247	RETAINING RING FOR HOLE I-47	2	2
15	85001235	COTTER PIN 1/8X1	1	1
16	25070042	JOINT	1	1
17	25070041	HUB CAP WITHOUT BOLT	1	1
18	90220358	RETAINING RING	1	1

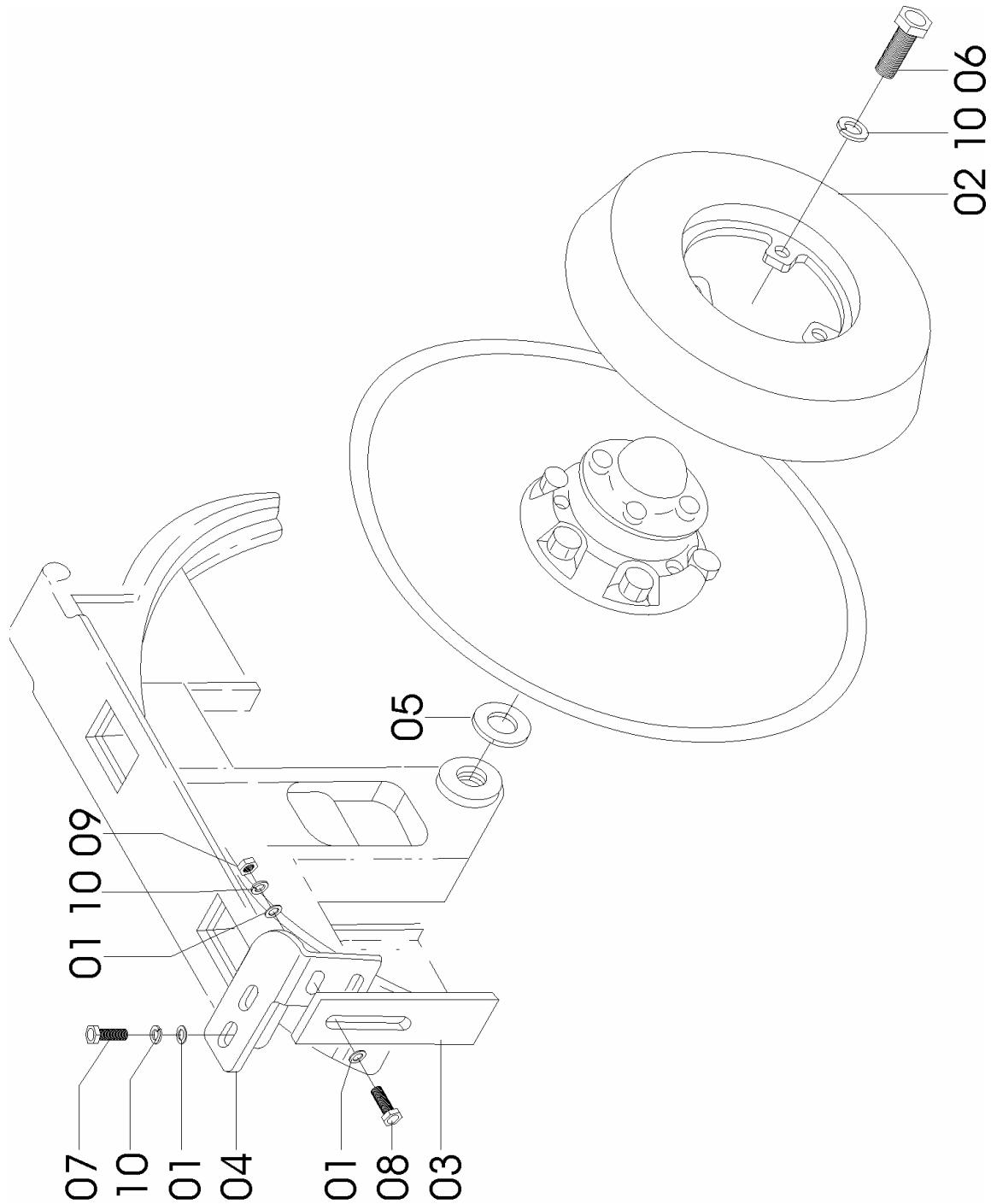




Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25076100 – RIGHT DEPTH CONTROL RING SET
25076200 – LEFT DEPTH CONTROL RING SET
(OPTIONAL)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25076100 – RIGHT DEPTH CONTROL RING SET
25076200 – LEFT DEPTH CONTROL RING SET
(OPTIONAL)**

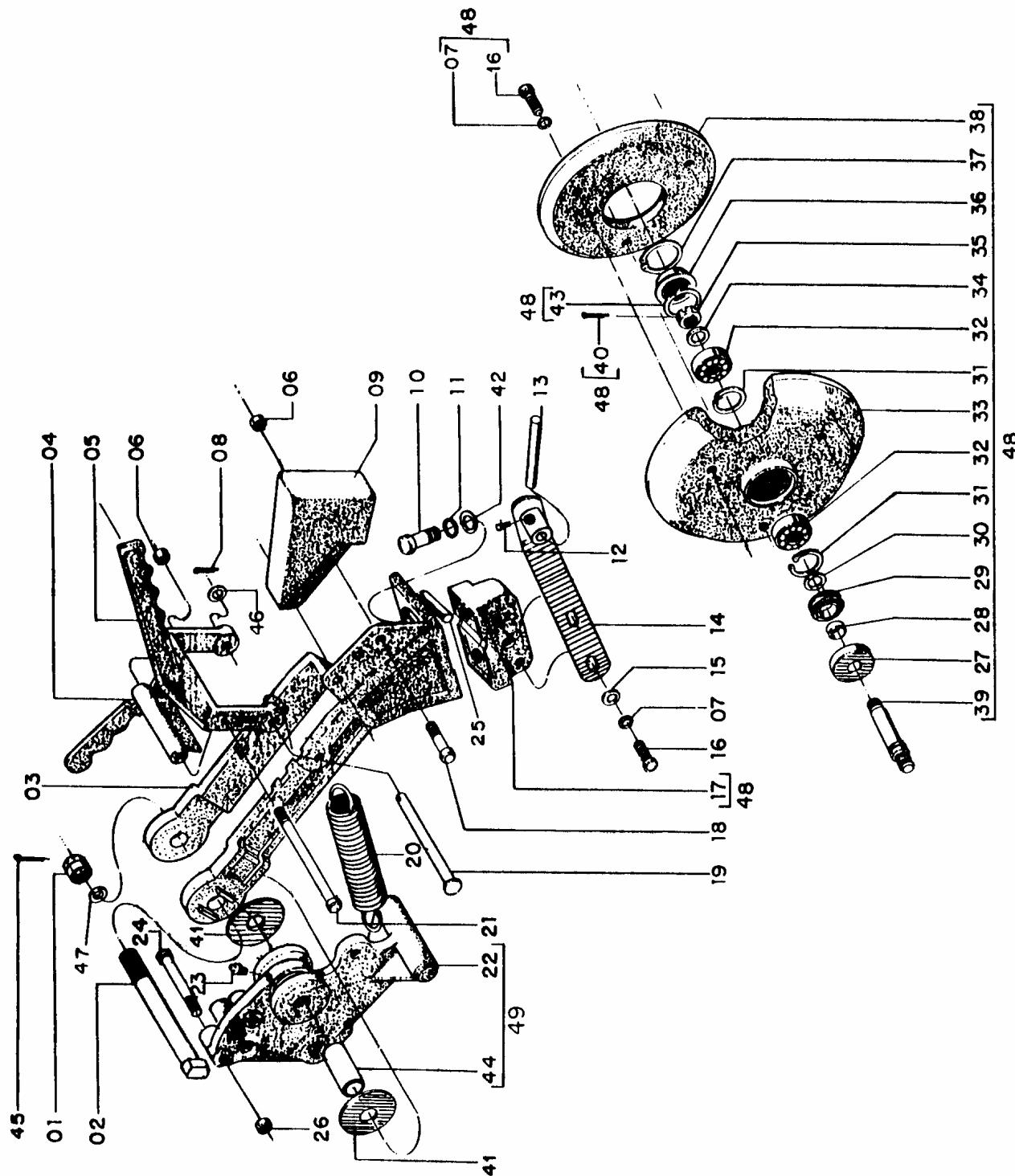
REF.	CODE	DENOMINATION	QT./ROW
01	15070065	FLAT WASHER	6 6
02	25070012	DEPTH CONTROL RING 40 DISK 15"	1 1
03	25070054	RIGHT SCRAPER	1 -
03	25070053	LEFT SCRAPER.....	- 1
04	25070055	LEFT DEPTH CONTROL RING SUPPORT.....	1 -
04	25070056	RIGHT SCRAPER SUPPORT	- 1
05	25070070	WASHER	2 2
06	810810025	HEXAGONAL BOLT M 10 X 25.....	3 3
07	818710020	HEXAGONAL BOLT M 10 X 20.....	2 2
08	818710025	HEXAGONAL BOLT M 10 X 25.....	2 2
09	82050710	HEXAGONAL NUT M 10	2 2
10	83010110	LOCK SPRING WASHER M 10.....	7 7



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25235400 – NG PRESS WHEEL RIGHT SIDE SET
25235500 – NG PRESS WHEEL LEFT SIDE SET



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25235400 – NG PRESS WHEEL RIGHT SIDE SET
25235500 – NG PRESS WHEEL LEFT SIDE SET**

REF.	CÓDE	DENOMINATION	QT./ROW	
			25235400	25235500
01	82030724	HEXAGONAL SLOTTED NUT M 24	1	1
02	25230021	PIN	1	1
03	25230017	RIGHT PRESS WHEEL ARM	1	-
03	25230018	LEFT PRESS WHEEL ARM.....	-	1
04	25230011	LATCH	1	1
05	25230007	LEVER	1	1
06	82000710	LOCK NUT M 10 DS	3	3
07	83010110	LOCK SPRING WASHER M 10	3	3
08	85001432	COTTER PIN 5/32" X 7/8"	1	1
09	15240016	COUNTERWEIGHT	1	1
10	818816040	HEXAGONAL BOLT M 16 X 40 (8.8)	2	2
11	83010116	LOCK SPRING WASHER M 16	2	2
12	818810020	HEXAGONAL BOLT M 10 X 20 (8.8)	1	1
13	25230012	SCRAPER	1	1
14	25230100	RIGHT SCRAPER SUPPORT SET	1	-
14	25230200	LEFT SCRAPER SUPPORT SET.....	-	1
15	01030053	WASHER	6	6
16	818810025	HEXAGONAL BOLT M 10 X 25 (8.8)	5	5
17	25230008	FIXER OF THE RIGHT PRESS WHEEL	1	-
17	25230009	FIXER OF THE LEFT PRESS WHEEL	-	1
18	818810040	HEXAGONAL BOLT M 10 X 40 (8.8)	2	2
19	35060024	PIN	1	1
20	25230010	SPRING	1	1
21	818810130	HEXAGONAL BOLT M 10 X 130 (8.8)	1	1
22	25230019	RIGHT PRESS WHEEL SUPPORT.....	1	-
22	25230020	LEFT PRESS WHEEL SUPPORT.....	-	1
23	84300818	STRAIGHT GREASE ZERK M 8 X 1,25	1	1
24	818812070	HEXAGONAL BOLT M 12 X 70 (8.8)	3	3
25	25230024	LOCK PIN	1	1
26	82000712	LOCK NUT M 12 DS	3	3
27	35200021	HUB CAP	1	1
28	35200012	BUSHING	1	1
29	89200131	RETAINER SABÓ 00131 BR	1	1
30	28030017	WASHER	1	1
31	90220247	RETAINING RING FOR HOLE I-47	2	2
32	88330204	CONE BEARING 30204	2	2
33	25230013	PRESS WHEEL	1	1
34	25070046	FLAT WASHER	1	1
35	82030716	HEXAGONAL SLOTTED NUT M 16	1	1
36	25070041	HUB CAP	1	1
37	90220358	RETAINING RING 522-058	1	1
38	25230014	WEIGHT	1	1
39	25230005	RIGHT SHAFT	1	-
39	25030006	LEFT SHAFT	-	1
40	85001235	COTTER PIN 1/8" X 1"	1	1
41	25230023	WASHER	2	2
42	15140010	WASHER	2	2
43	25070042	JOINT	1	1
44	25230022	BUSHING	2	2
45	85001643	COTTER PIN 3/16" X 1 1/2"	1	1
46	03220028	WASHER	1	1
47	28040016	WASHER	1	1
48	25235401	RIGHT WHEEL OF THE NG PRESS WHEEL	1	-
48	25235501	LEFT WHEEL OF THE NG PRESS WHEEL	-	1
49	25235402	RIGHT PRESS WHEEL SUPPORT SET	1	-
49	25235502	LEFT PRESS WHEEL SUPPORT SET.....	-	1

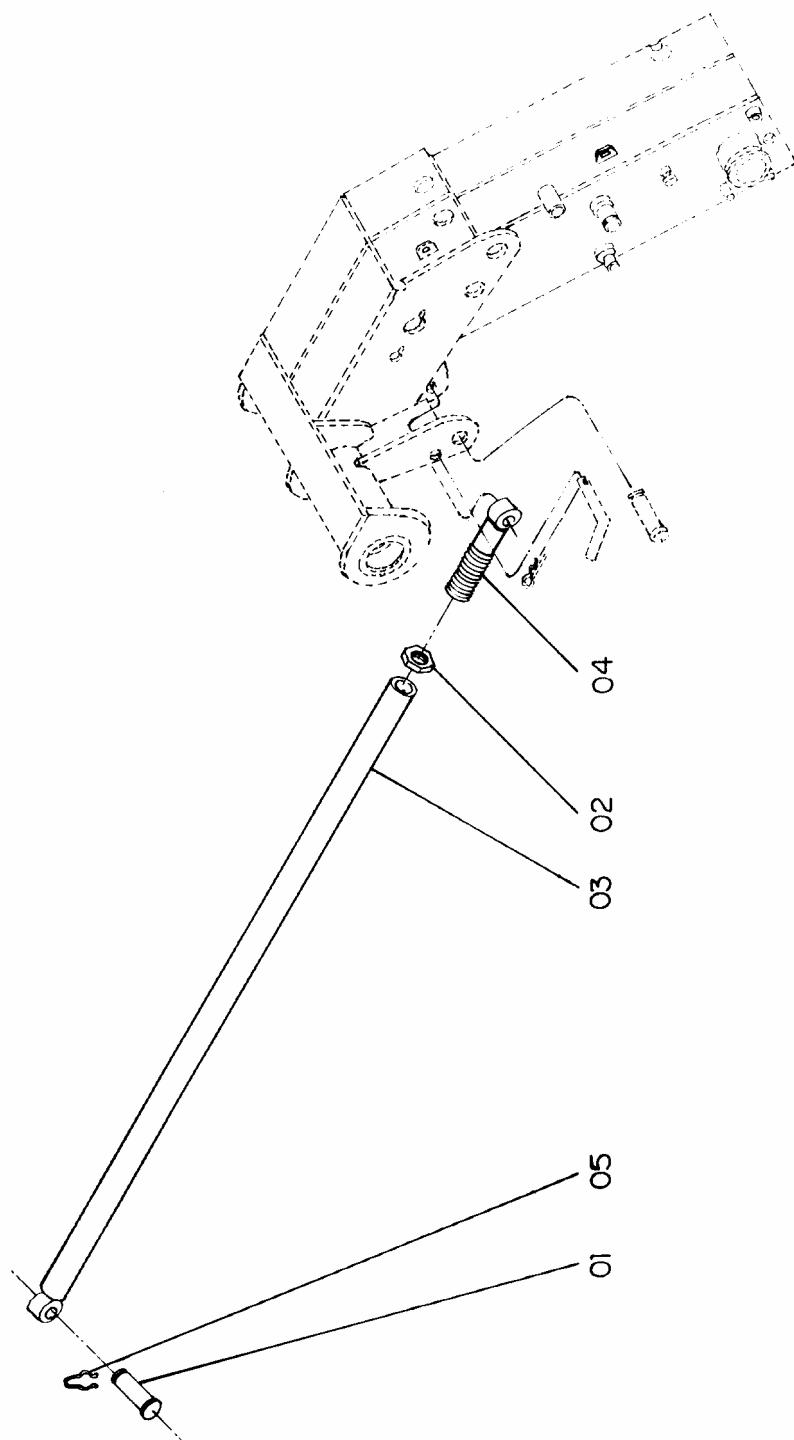


Operator Manual

TDNG 300 E - TDNG 300 E Seed

**25285000 – ROD SET
(OPTIONAL)**

REF.	CÓDE	DENOMINATION	QT./ROW
01	25050018	PIN	1
02	25280001	NUT	1
03	25280100	ROD SET	1
04	25280200	SPINDLE SET	1
05	25280014	COTTER PIN	1



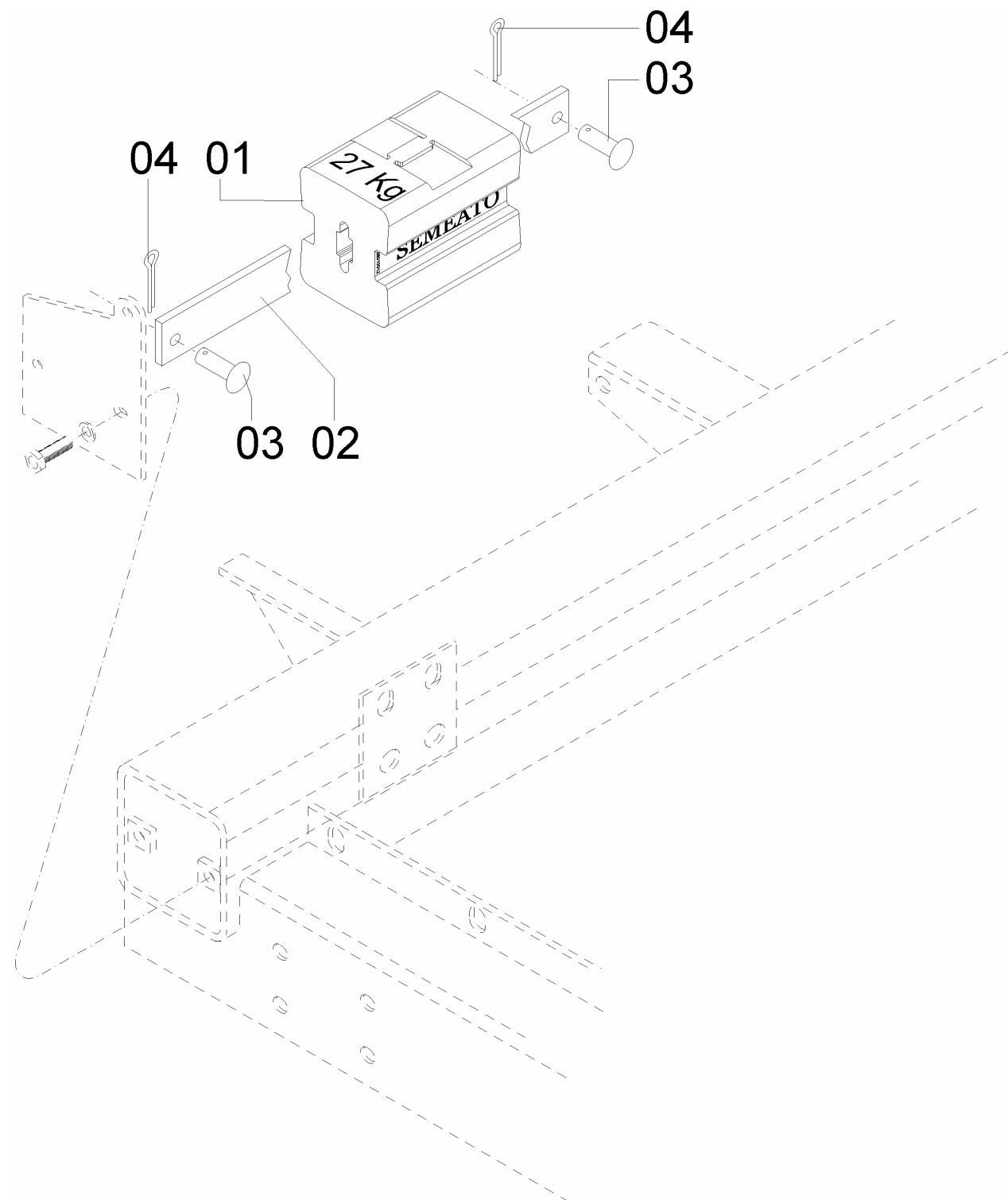
Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25015301 – COUNTERWEIGHTS (OPTIONAL)

REF.	CÓDE	DENOMINATION	QT./ROW
01	28010012	COUNTERWEIGHT	14
02	25010008	COUNTERWEIGHTS SUPPORT	2
03	05010041	SMALLER	4
04	85001035	COTTER PIN 3/32" X 1"	4

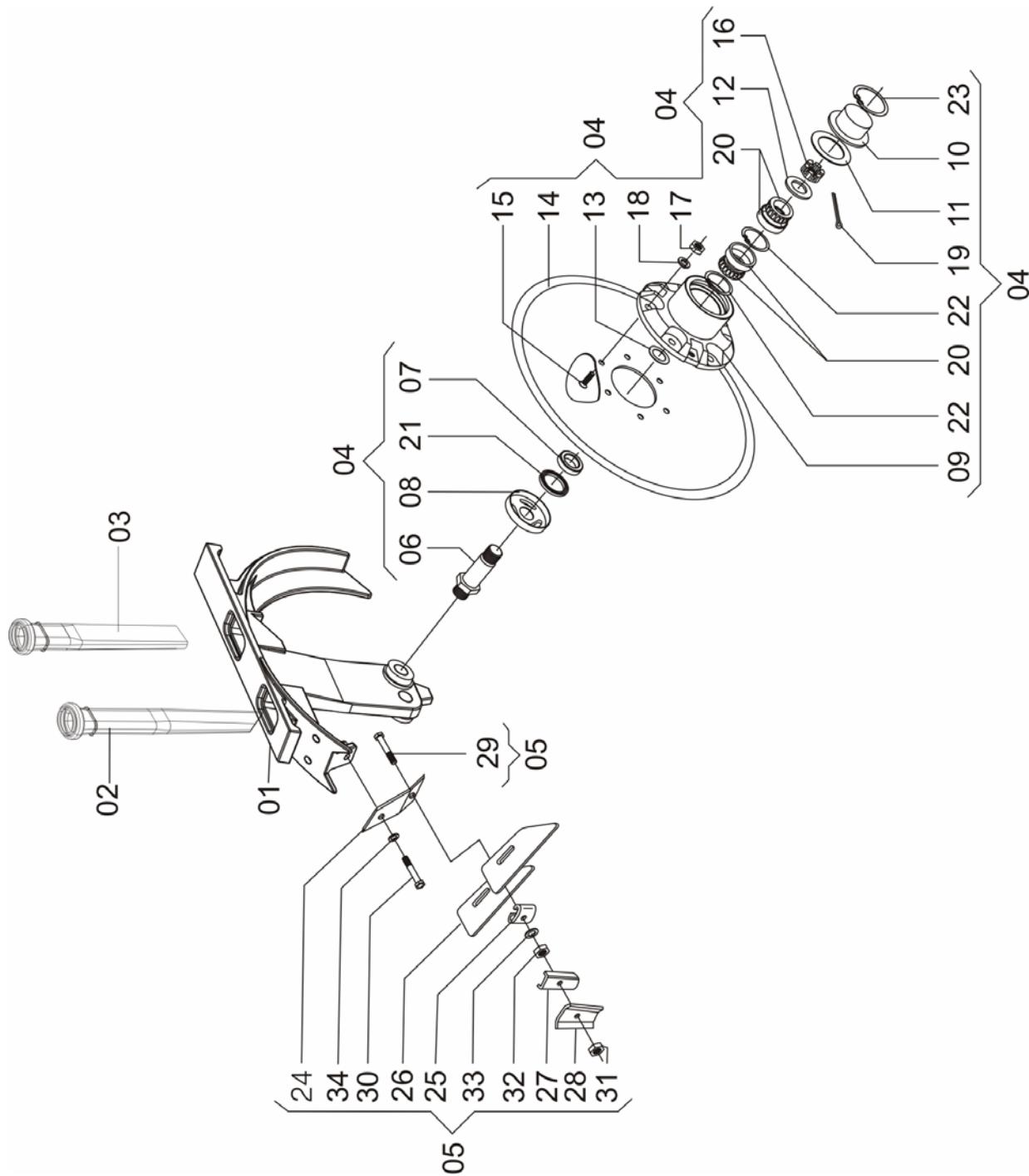




Operator Manual

TDNG 300 E - TDNG 300 E Seed

**25075022 – OFF SET DISK OPENER SET
(OPTIONAL)**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25075022 – OFF SET DISK OPENER SET (OPTIONAL)

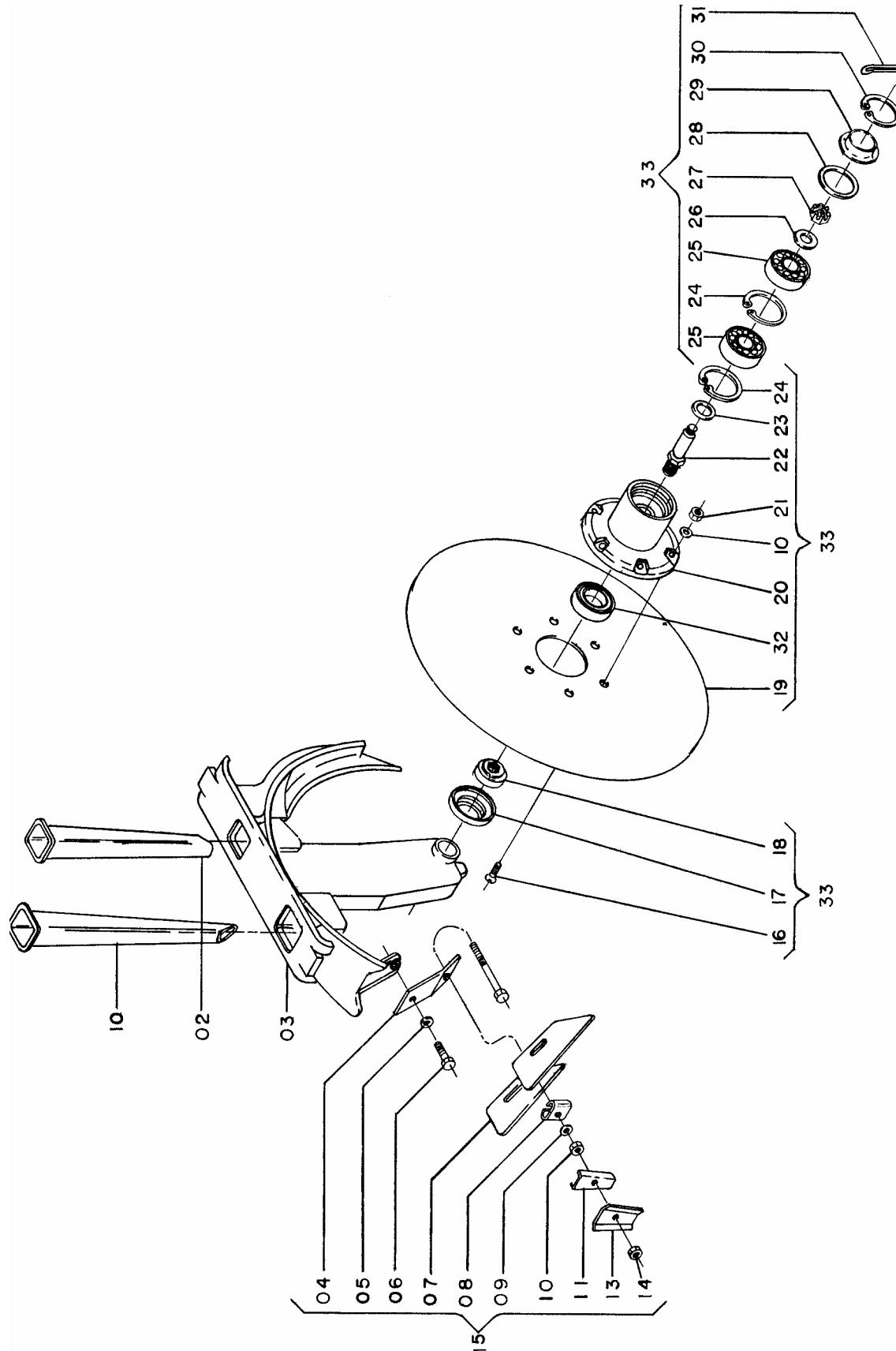
REF.	CODE	DENOMINATION	QT./SET
01	25070028	DISK'S SUPPORT	1
02	25070091	SEED TUBE	1
03	25070092	FERTILIZER TUBE	1
04	25075302	FLAT DISK SET 14.1/2" LEFT SIDE	1
04	25075303	FLAT DISK SET 15" RIGHT SIDE	1
05	25075900	INTERNAL SCRAPER SET WITH SPRING	1
06	25070024	RIGHT SHAFT	1
06	25070025	LEFT SET	1
07	25070027	BUSHING	2
08	25070036	HUB CAP	2
09	25070040	HUB	2
10	25070041	HUB CAP WITHOUT BOLT	2
11	25070042	JOINT	2
12	28070046	FLAT WASHER	2
13	28070017	FLAT WASHER	2
14	25070035	FLAT DISK 15" X 4,00	1
14	61070057	FLAT DISK 14.1/2" X 3,50	1
15	8198080201	COUNTERSUNK BOLT M 8X20 (8.8) DIN 965	12
16	82030716	HEXAGONAL SLOTTED NUT M 16 DIN 979	2
17	8205070808	HEXAGONAL NUT DIN 934 MA 08 – 08	12
18	83010108	LOCK SPRING WASHER M 8	12
19	85001235	COTTER PIN 1/8Z1	2
20	88330204	CONE BEARING 30204	4
21	89201707	RETAINER 01707-BRG	2
22	90220247	RETAINING RING FOR HOLE I-47	4
23	90220358	RETAINING RING FOR HOLE I-58 522.058	4
24	25070049	SUPPORT	1
25	30050018	SCRAPERS BASE	1
26	35060005	SCRAPER	2
27	56020038	SPRING REST	1
28	56020039	SCRAPER SPRING	1
29	818008050	HEXAGONAL BOLT M 8X50 RI (8.8)	1
30	818710025	HEXAGONAL BOLT M 10X25	1
31	8200070808	LOCK NUT DIN 985 MA 8-8	1
32	820500708	HEXAGONAL NUT M 8	1
33	83010108	LOCK SPRING WASHER M 8	1
34	83010108	LOCK SPRING WASHER M 10	1



Operator Manual

TDNG 300 E - TDNG 300 E Seed

61078800 – OFFSET DISK OPENER SET 15" X 15" (4.75mm)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



61078800 – OFFSET DISK OPENER SET 15" X 15" (4.75mm)

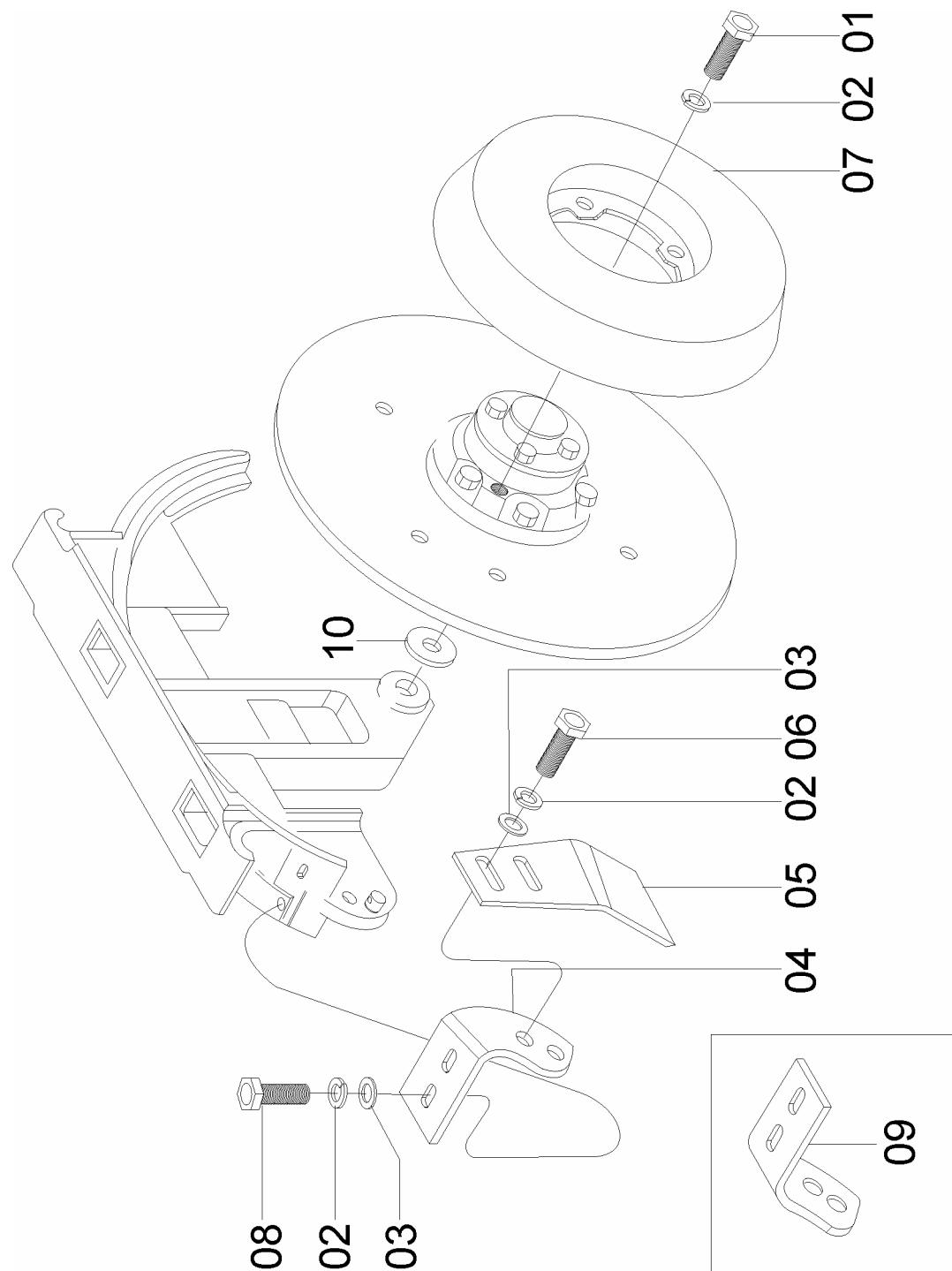
REF.	CÓDE	DENOMINATION	QT./ROW
01	25070017	SEED TUBE	1
02	25070018	FERTILIZER TUBE	1
03	25070028	DISKS' SUPPORT	1
04	818008050	HEXAGONAL BOLT M 8 X 50 RI	1
05	25070049	SUPPORT	1
06	83010110	LOCK SPRING WASHER M 10	1
07	818710025	HEXAGONAL BOLT M 10 X 25	1
08	35060005	SCRAPER	2
09	30050018	SCRAPES BASE	1
10	83010108	LOCK SPRING WASHER M 8.....	13
11	82050708	HEXAGONAL NUT M 8	1
12	56020038	SPRING REST	1
13	56020039	SCRAPER SPRING	1
14	82010708	LOCK NUT M 8	1
15	25075900	INTERNAL SCRAPER SET WITH SPRING	1
16	819808020	COUNTERSUNK BOLT M 8 X 20 (8.8)	12
17	25070036	HUB CAP	2
18	25070027	BUSHING	2
19	61070062	FLAT DISK 15"	1
19	61070063	FLAT DISK 15"	1
20	25070040	HUB	2
21	8205070808	HEXAGONAL BOLT DIN 934 MA 08-08	12
22	25070025	LEFT SHAFT	1
22	25070024	RIGHT SAHFT	1
23	28030017	WASHER	2
24	90220247	RETAINING RING FOR HOLE I-47	4
25	88330204	CONE BEARING 30204	4
26	25070046	FLAT WASHER	2
27	82030716	HEXAGONAL SLOTTED NUT M 16	2
28	25070042	JOINT	2
29	25070041	HUB CAP	2
30	90220358	REATINING RING 522-058	2
31	85001235	COTTER PIN 1/8"	2
32	89201707	RETAINER 01707 BRG	2
33	61078801	FLAT DISK SET 15" LEFT SIDE	1
33	61078802	FLAT DISK SET 15" RIGHT SIDE	1



Operator Manual

TDNG 300 E - TDNG 300 E Seed

25076900 – DEPTH CONTROL RING SET 60mm OFFSET DISK LEFT SIDE
25076800 – DEPTH CONTROL RING SET 60mm OFFSET DISK RIGHT SIDE
(OPTIONAL)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25076900 – DEPTH CONTROL RING SET 60mm OFFSET DISK LEFT SIDE
 25076800 – DEPTH CONTROL RING SET 60mm OFFSET DISK RIGHT SIDE
 (OPTIONAL)**

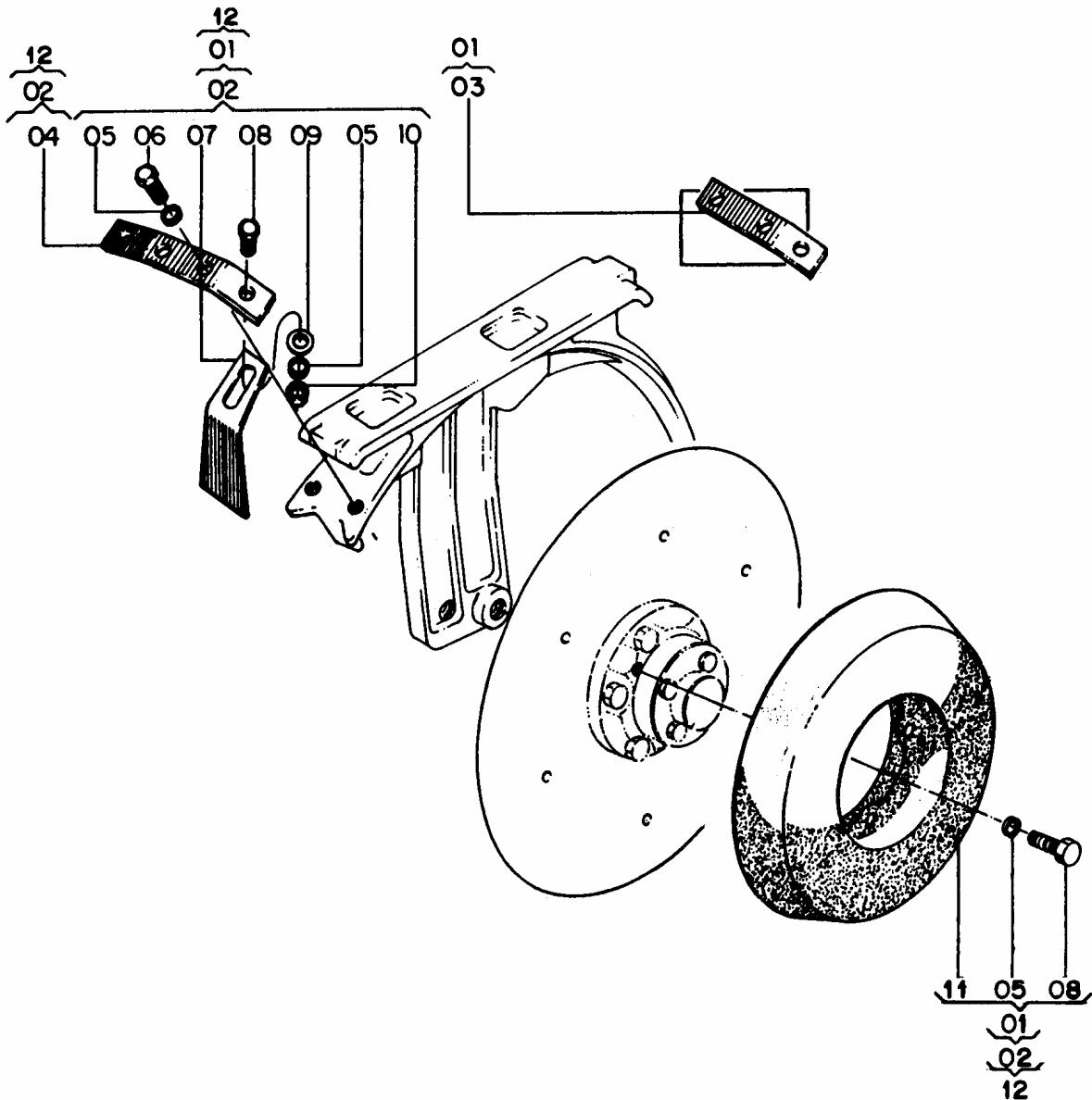
REF.	CÓDE	DENOMINATION	QT./ROW	
			DIR.	ESQ.
01	818110025	STAINLESS STEEL HEXAGONAL BOLT M 10 X 25	3	3
02	83010110	LOCK SPRING WASHER M 10	7	7
03	15070065	FLAT WASHER	4	4
04	25070007	RIGH SCRAPER SUPPORT	1	-
05	25070052	RIGHT SCRAPER (RING 60)	1	-
05	25070051	LEFT SCRAPER (RING 60)	-	1
05	25070005	RIGHT SCRAPER (RING 40 E 25).....	1	-
05	25070006	LEFT SCRAPER (RING 40 E 25)	-	1
06	818710016	HEXAGONAL BOLT M 10 X 16	2	2
07	25070050	DEPTH CONTROL RING 60 DISK 15"	1	1
07	25070012	DEPTH CONTROL RING 40 DISK 15"	1	1
07	25070013	DEPTH CONTROL RING 25 DISK 15"	1	1
08	818710030	HEXAGONAL BOLT M 10 X 30	2	2
09	25070008	LEFT SCRAPER SUPPORT	-	1
10	25070070	WASHER.....	2	2
	25076300	DEPTH CONTROL RING SET 40" OFFSET DISK RIGHT SIDE		
	25076400	DEPTH CONTROL RING SET 40" OFFSET DISK LEFT SIDE		
	25076500	DEPTH CONTROL RING SET 25" OFFSET DISK RIGHT SIDE		
	25076600	DEPTH CONTROL RING SET 25" OFFSET DISK LEFT SIDE		



Operator Manual

TDNG 300 E - TDNG 300 E Seed

DEPTH CONTROL RING FOR OFFSET DISKS (OPTIONAL)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



DEPTH CONTROL RING FOR OFFSET DISKS (OPTIONAL)

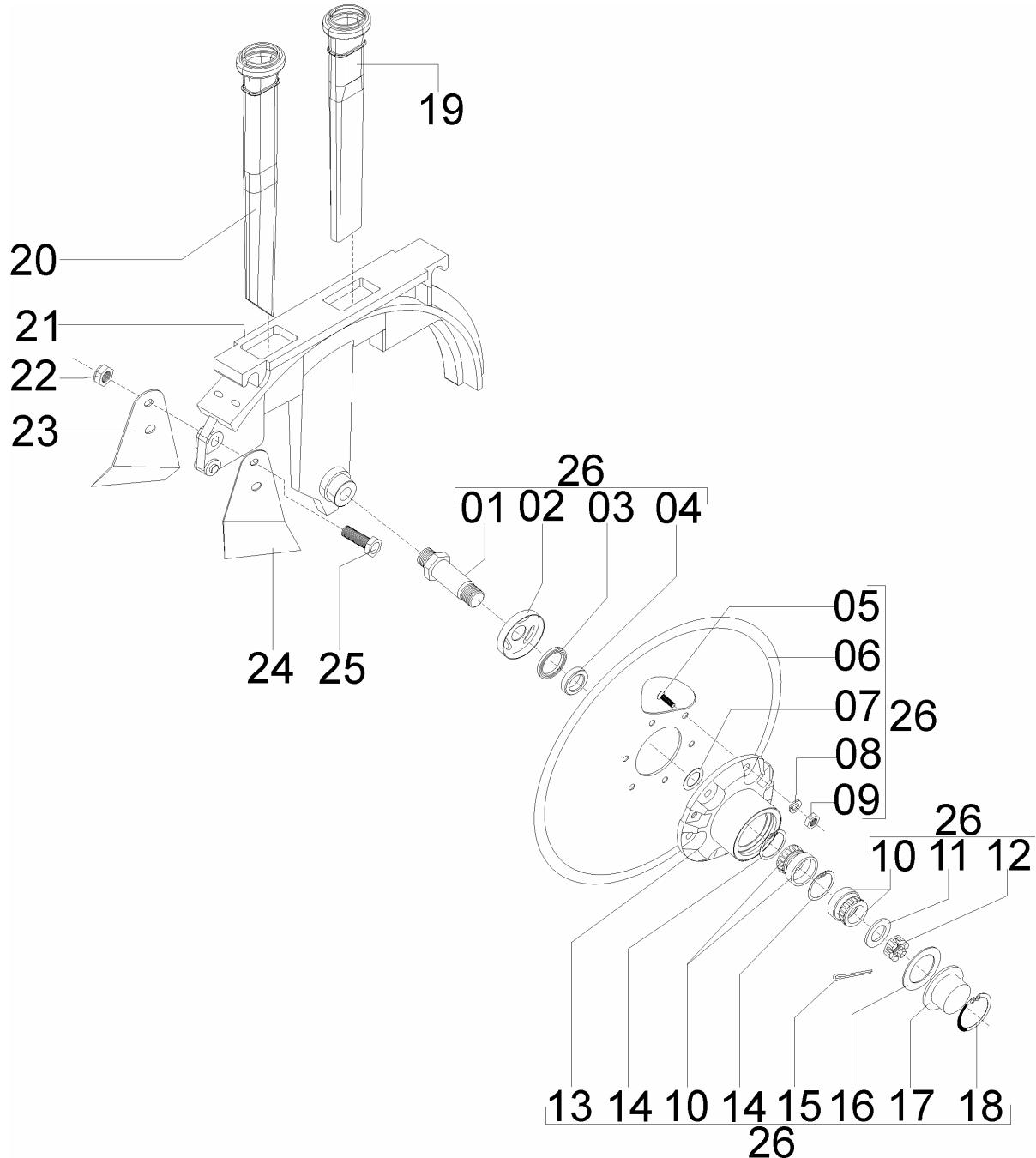
REF.	CÓDE	DENOMINAÇÃO	QT./SET
01	25075501	SIMPLE DEPTH CONTROL RING SET 25	1
02	25075502	DOUBLE DEPTH CONTROL RING SET 25	1
03	15070037	SIMPLE SCRAPER SUPPORT	1
04	15070034	DOUBLE SCRAPER SUPPORT.....	1
05	83010110	LOCK SPRING WASHER M 10	7
06	818710020	HEXAGONAL BOLT M 10 X 20	2
07	15070036	SCRAPER RING 25	2
07	15070035	SCRAPER RING 40	2
08	818710025	HEXAGONAL BOLT M 10 X 25	5
09	15070065	FLAT WASHER M 10	2
10	82050710	HEXAGONAL NUT M 10	2
11	25070012	DEPTH CONTROL RING 40 DISK 15"	2
11	25070013	DEPTH CONTROL RING 25 DISK 15" (OPTIONAL)	1
12	25075503	DEPTH CONTROL RING SET 40 SIMPLE – OFFSET DISK 15".....	1
12	25075504	DEPTH CONTROL RING SET 40 DOUBLE – OFFSET DISK 15"	1



Operator Manual

TDNG 300 E - TDNG 300 E Seed

25075023 – OFFSET DISK OPENER SET HIGHT TOWER 15.1/2"
25075024 – OFFSET DISK OPENER SET HIGHT TOWER 16"
(OPTIONAL)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25075023 – OFFSET DISK OPENER SET HIGHT TOWER 15.1/2”
25075024 – OFFSET DISK OPENER SET HIGHT TOWER 16”
(OPTIONAL)

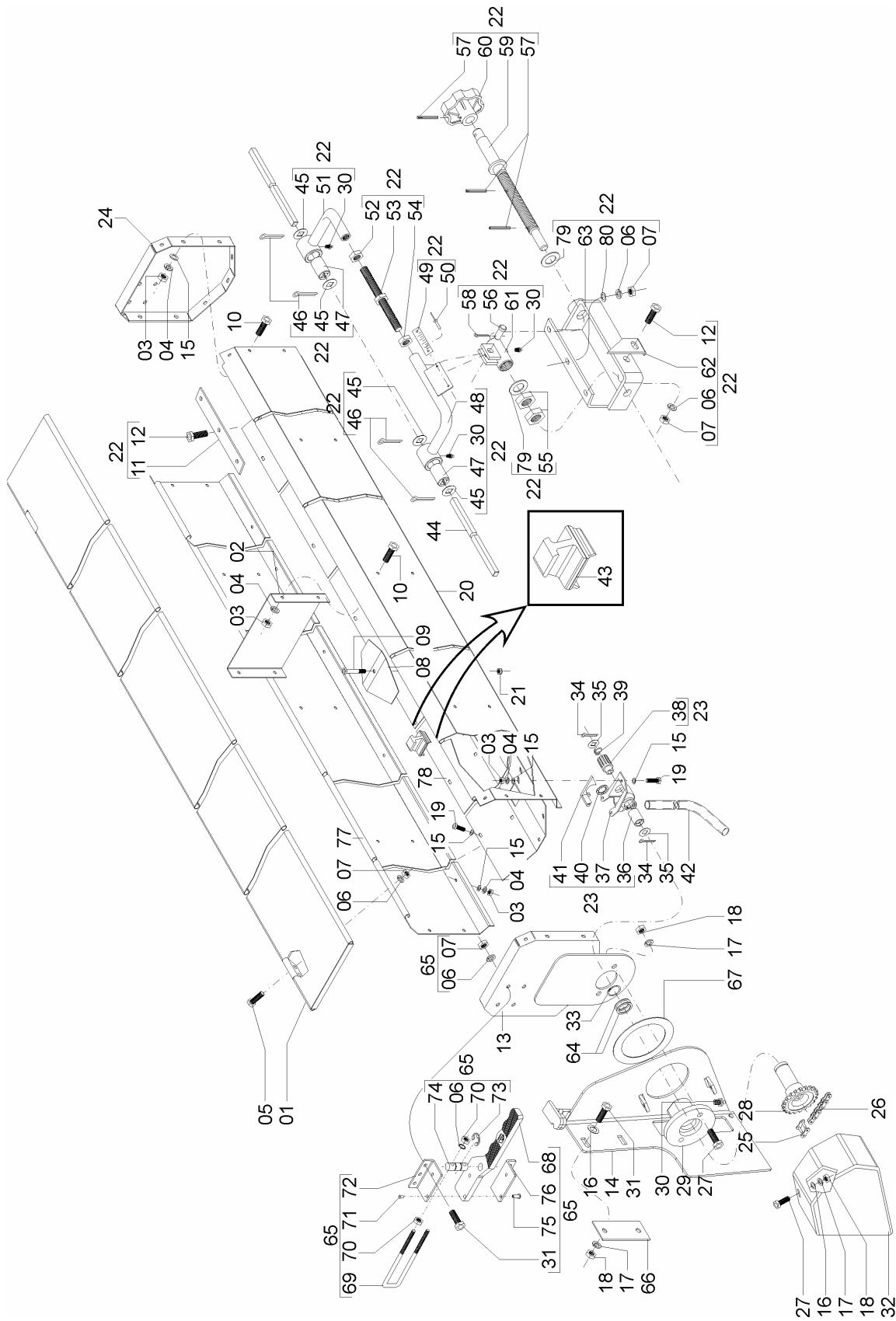
REF.	CODE	DENOMINATION	QT./ ROW	
			25075023	25075024
01	25070024	RIGHT SHAFT	1	1
01	25070025	LEFT SHAFT	1	1
02	25070036	HUB CAP	2	2
03	89201707	RETAINER 01707 – BRG	2	2
04	25070027	BUSHING	2	2
05	81980802001	COUNTERSUNK BOLT M8 X 20 8.8 DIN 965	12	12
06	28320017	FLAT DISK 15.1/2 “X 4,00.....	1	-
06	28320018	FLAT DISK 15.1/2 “X 3,50.....	1	-
06	25070057	FLAT DISK 15”	-	1
06	25070058	FLAT DISK 16”	-	1
07	28030017	FLAT WASHER.....	2	2
08	83010108	LOCK SPRING WASHER M 8.....	12	12
09	8205070808	HEXAGONAL NUT DIN 934 MA 08-08.....	12	12
10	88330204	CONE BEARING 30204.....	4	4
11	25070046	FLAT WASHER.....	2	2
12	82030716	HEXAGONAL SLOTTED NUT M 16 DIN. 979.....	2	2
13	25070040	HUB	2	2
14	90220247	RETAINING RING FOR HOLE I-47	4	4
15	85001235	COTTER PIN 1/8X1	2	2
16	25070042	JOINT	2	2
17	25070041	HUB CAP WITHOUT BOLT	2	2
18	90220358	RETAINING RING	2	2
19	25070096	FERTILIZER TUBE	1	1
20	25070091	SEED TUBE	1	1
21	61070012	DISKS SUPPORT	1	1
22	82010708	LOCK NUT M8 DL.....	1	1
23	61070015	INTERNAL SCRAPER LEFT SIDE.....	1	1
24	61070016	INTERNAL SCRAPER RIGHT SIDE	1	1
25	818708040	HEXAGONAL BOLT M8 X 40	1	1
26	25075004	FLAT DISK SET 15 ½”	1	-
26	25075005	FLAT DISK SET 15”	1	-
26	25077602	FLAT DISK SET 16”	-	1
26	25077601	FLAT DISK SET 15”	-	1



Operator Manual

TDNG 300 E - TDNG 300 E Seed

25135400 – PASTURE BOX SET (OPTIONAL) TDNG 300E



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25135400 – PASTURE BOX SET (OPTIONAL) TDNG 300E

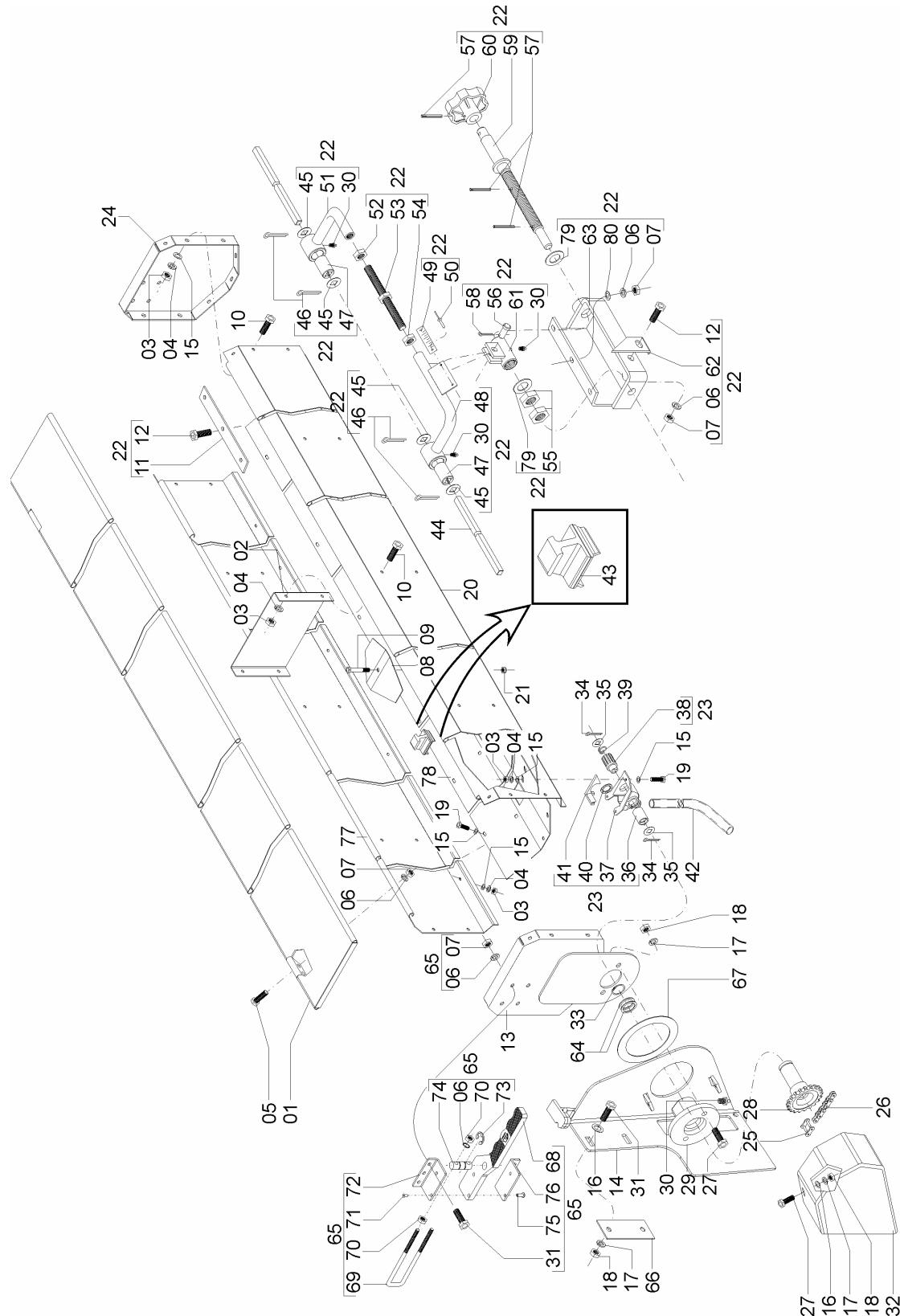
REF.	CÓDE	DENOMINATION	QT./MACH.
01	25131300	LID SET	1
02	15190038	DIVISION PLATE	2
03	82050705	HEXAGONAL NUT M 5	99
04	83010105	LOCK SPRING WASHER M 5	99
05	818706012	HEXAGONAL BOLT M 6 X 12	8
06	83010106	LOCK SPRING WASHER M 6	14
07	82050706	HEXAGONAL NUT M 6	12
08	15190024	LID	16
09	818706025	HEXAGONAL BOLT M 6 X 25	16
10	818705010	HEXAGONAL BOLT M 5 X 10	48
11	15190044	BOX REINFORCEMENT	1
12	818706016	HEXAGONAL BOLT M 6 X 16	12
13	25130800	LEFT SIDE PLATE BOX SET	1
14	25131800	RIGHT BOX FIXER	1
14	25131900	LEFT BOX FIXER	1
15	03100411	FLAT WASHER M 5	91
16	01020010	FLAT WASHER M 8	8
17	83010108	LOCK SPRING WASHER M 8	8
18	82050708	HEXAGONAL NUT M 8	10
19	818705016	HEXAGONAL BOLT M 5 X 16	51
20	25130023	FRONT PLATE	1
21	82000706	PORCA AUTOTRAVANTE M 6 DS	16
22	25135001	PASTURE SED METERING SET	1
23	15195004	PASTURE BOX SET	17
24	25130700	RIGHT SIDE PLATE BOX SET	1
25	91226000	EMENDA ASA 40	2
26	91126000	ROLLER CHAIN ASA 40 (146 LINKS)	146
27	818708020	HEXAGONAL BOLT M 8 X 20	12
28	15190002	SPROCKET Z-20	2
29	25130900	SHAFT BEARING SET	2
30	84300618	STRAIGHT GREASE ZERK M 6 X 1	2
31	818708025	HEXAGONAL BOLT M 8 X 25	2
32	25130006	LEFT PROTECTION	1
32	25130007	PROTEÇÃO DIREITA	1
33	90220025	COTTER PIN E-25	2
34	85001235	COTTER PIN 1/8" X 1"	34
35	01130012	FLAT WASHER	34
36	15190047	ROTOR GUIDE	17
37	15190065	SEED METER BOX	17
38	15190046	ROTOR Z-12	17
39	01130013	SPRING	17
40	15190048	TOOTH WASHER	17
41	15190064	SEED PLUG	17
42	25130008	TUBE	17
43	15190063	PASTURE BOX PLUG	10
44	25130018	RIGHT SHAFT	1
44	25130019	LEFT SHAFT	1
45	15190043	LATERAL PLATE	4
45	15190037	WASHER (0,55mm THICKNESS)	4
46	85001435	COTTER PIN 5/32" X 1"	4
47	15190040	BUSHING	2
48	15191500	LEFT ROD SET	1
49	25130005	SCALE	1
50	87301221	RIVET POP 3,2 X 8,9	2



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TDNG 300 E - TDNG 300 E Seed

**25135400 – PASTURE BOX SET (OPTIONAL)
TDNG 300E
(Continuation)**



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TDNG 300 E - TDNG 300 E Seed



25135400 – PASTURE BOX SET (OPTIONAL)
TDNG 300E
(Continuation)

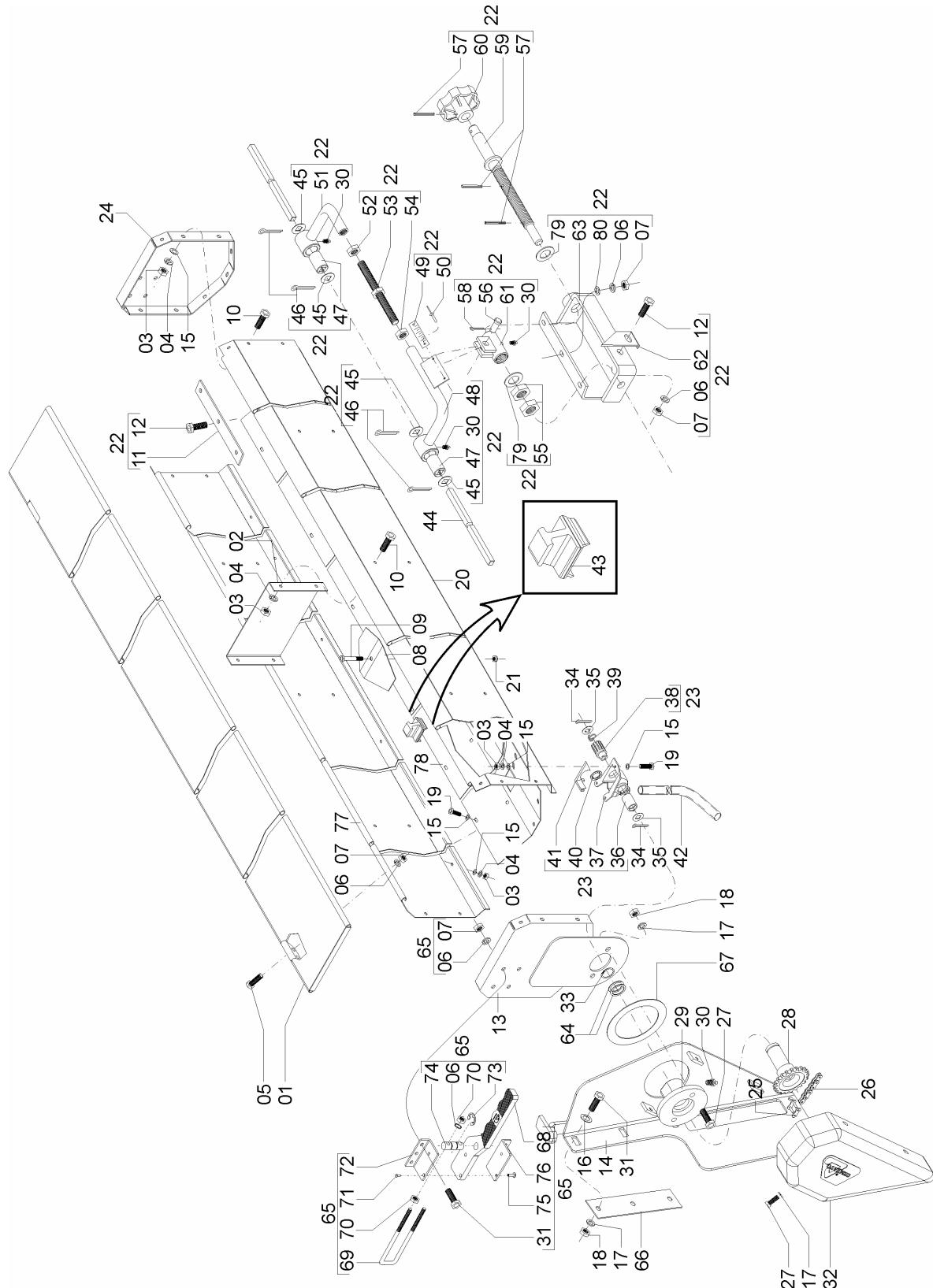
REF.	CÓDE	DENOMINATION	QT./MACH.
51	15191600	RIGHT ROD SET	1
52	82050126	HEXAGONAL NUT UNC. 1/2"	1
53	15190041	SPINDLE	1
54	15190039	LEFT NUT	1
55	82051718	HEXAGONAL NUT M 18 LOWER	3
56	15090045	PIN	1
57	92010526	PIN 5 X 26	3
58	85001035	COTTER PIN 3/32" X 1"	1
59	15190066	SHAFT SET	1
60	28020021	WHELL	1
61	15090700	ADJUSTER NUT SET	1
62	15090046	SUPPORT	1
63	15191300	CJ. SUPORTE DO EIXO	1
64	28040015	FLAT WASHER	8
65	58175300	STUD SET	2
66	25130021	REINFORCEMENT	2
67	25130015	WASHER	2
68	58175301	STUD SET	1
69	58170004	U-BOLT	1
70	82150706	STAINLESS STEEL HEXAGONAL NUT MA 6	4
71	AR 03020004	REBITE MACHO RECARTILHADO	1
72	58170006	LEFT SUPPORT	1
73	90220112	PIN E-12 ESP.	2
74	58170005	ARTICULATOR SAHFT	1
75	AR 03020009	FEMALE RIVET Ø 5 X 17mm	1
76	58170007	RIGHT SUPPORT	1
77	25130024	REAR PLATE	1
78	25130022	BOTTOM	1
79	28030017	WASHER	2
80	01100023	WASHER	7



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TDNG 300 E - TDNG 300 E Seed

**25135500 – PASTURE BOX SET (OPTIONAL)
TDNG 300E SEED**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25135500 – PASTURE BOX SET (OPTIONAL) TDNG 300E SEED

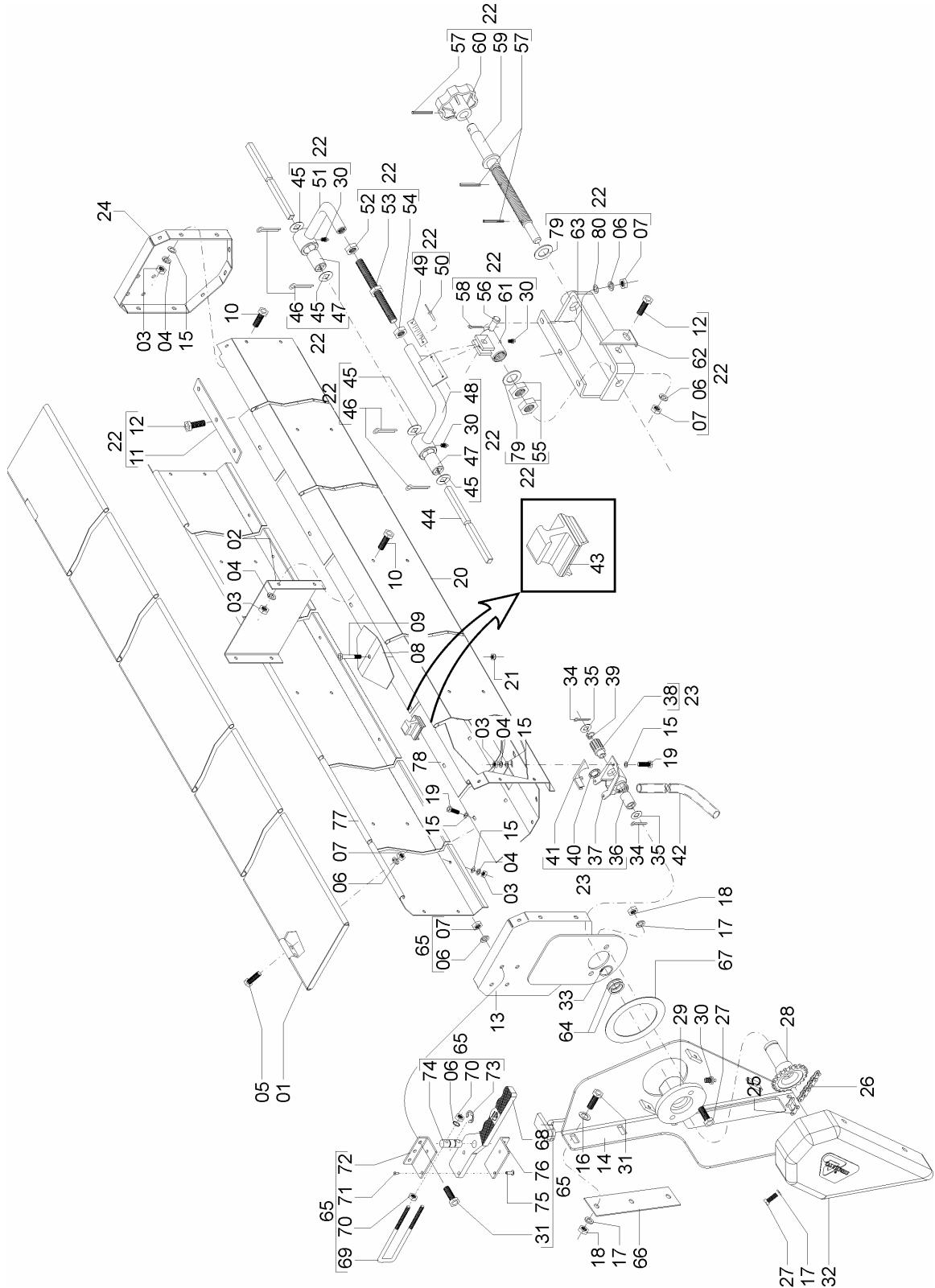
REF.	CÓDE	DENOMINATION	QT./MACH.
01	25131300	LID SET	1
02	15190038	DIVISION PLATE	2
03	82050705	HEXAGNAL NUT M 5	99
04	83010105	LOCK SPRING WASHER M 5	99
05	818706012	HEXAGONAL BOLT M 6 X 12	8
06	83010106	LOCK SPRING WASHER M 6	14
07	82050706	HEXAGONAL NUT M 6	12
08	26350006	LID	16
09	818706025	HEXAGONAL BOLT M 6 X 25	16
10	818705010	HEXAGONAL BOLT M 5 X 10	48
11	15190044	BOX REINFORCEMENT	1
12	818706016	HEXAGONAL BOLT M 6 X 16	12
13	25130800	LEFT SIDE BOX SET	1
14	25131600	BOX RIGHT SIDE FIXER	1
14	25131700	BOX LEFT SIDE FIXER	1
15	03100411	FLAT WASHER M 5	91
16	01020010	FLAT WASHER M 8	8
17	83010108	LOCK SPRING WASHER M 8	8
18	82050708	HEXAGONAL NUT M 8	10
19	818705016	HEXAGONAL BOLT M 5 X 16	51
20	25130023	FRONT PLATE	1
21	82000706	LOCK NUT M 6 DS	16
22	25135001	PASTURE SEED ADJUSTMENT SET	1
23	15195004	SED BOX SET	17
24	25130700	RIHT SIDE BOX SET	1
25	91226000	LINK ASA 40	2
26	91126000	ROLLER CHAIN ASA 40 (146 LINKS)	146
27	818708020	HEXAGONAL BOLT M 8 X 20	12
28	15190002	SPROCKET Z-20	2
29	25130900	SHAFT BEARING SET	2
30	84300618	STRAIGHT GREASE ZERK M 6 X 1	2
31	818708025	HEXAGONAL BOLT M 8 X 25	6
32	25130037	LEF PROTECTION	1
32	25130038	RIGHT PROECTION	1
33	90220025	PIN E-25	2
34	85001235	COTTER PIN 1/8" X 1"	34
35	01130012	FLAT WASHER	34
36	15190047	ROTOR GUIDE	17
37	15190065	SEED METERING BOX	17
38	15190046	ROTOR Z-12	17
39	01130013	SPRING	17
40	15190048	TOOTH WASHER	17
41	15190064	INTERRUPTOR	17
42	25130039	TUBE	17
43	15190063	PASTURE BOX PLUG	10
44	25130018	RIGHT SHAFT	1
44	25130019	LEFT SHAFT	1
45	15190043	REST PLATE	4
45	15190037	AJUSTABLE PLATE (0,55mm THICKNESS)	4
46	85001435	CONTRAPINO 5/32" X 1"	4
47	15190040	BUSHING	2
48	15191500	LEFT ROD SET	1
49	25130005	SCALE	1
50	87301221	RIVET POP 3,2 X 8,9	2



Operator Manual

TDNG 300 E - TDNG 300 E Seed

**25135500 – PASTURE BOX SET (OPTIONAL)
TDNG 300E SEED
(Continuation)**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25135500 – PASTURE BOX SET (OPTIONAL)
TDNG 300E SEED
(Continuation)

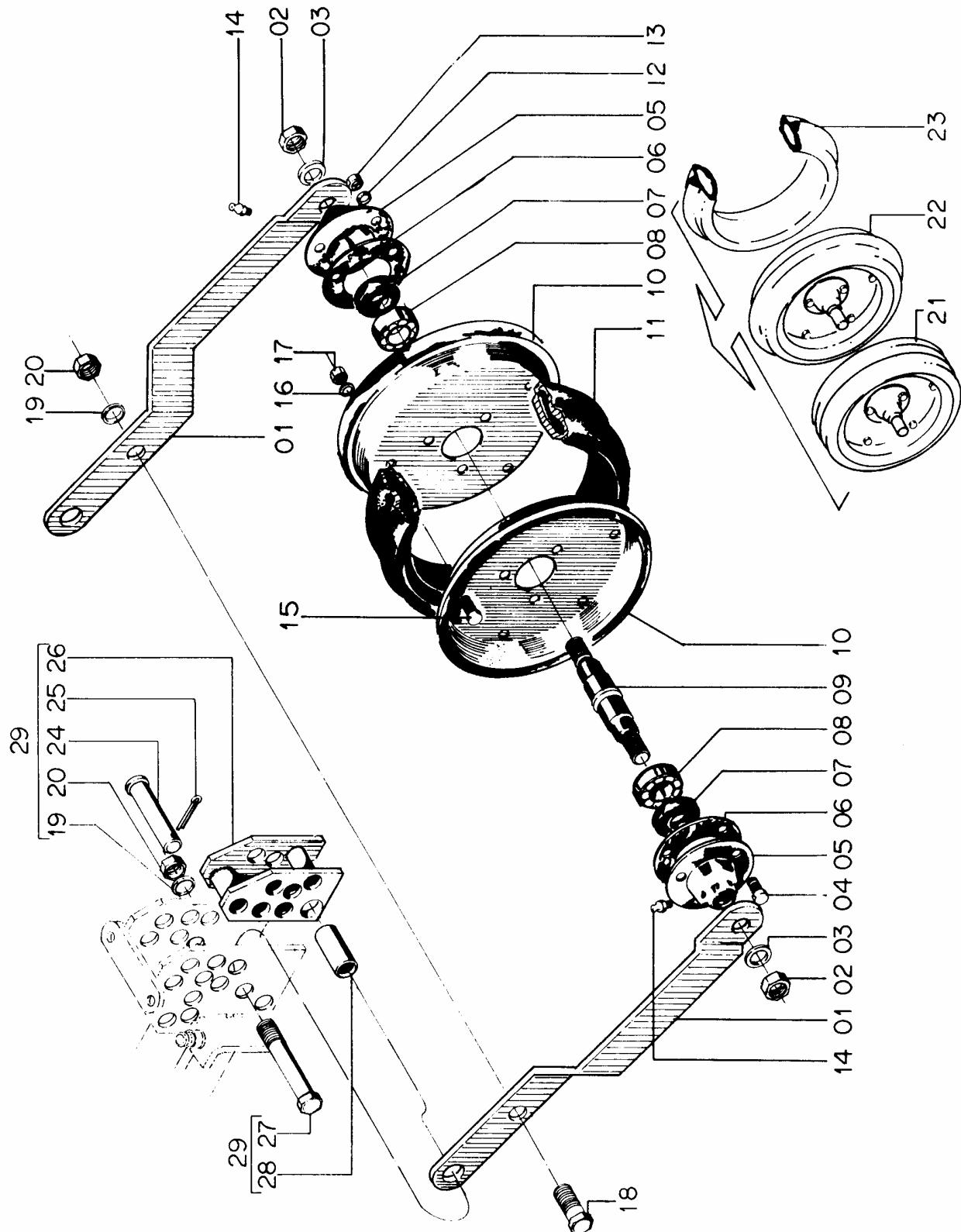
REF.	CÓDE	DENOMINATION	QT./MACH.
51	15191600	RGHT ROD SET	1
52	82050126	HEXAGONAL NUT UNC. 1/2"	1
53	15190041	SPINDLE	1
54	15190039	LEFT NUT	1
55	82051718	HEXAGONAL NUT M 18	3
56	15090045	PIN	1
57	92010526	PIN 5 X 26	3
58	85001035	COTTER PIN 3/32" X 1"	1
59	15190066	SHAFT SET	1
60	28020021	HANDLE	1
61	15090700	ADJUSTBLE NUT SET	1
62	15090046	SUPPORT	1
63	15191300	SHAFT SUPPORT SET	1
64	28040015	FLAT WASHER	8
65	58175300	STUD SET	2
66	25130036	REINFORCEMENT	2
67	25130015	WASHER	2
68	58175301	STUD SUB SET	1
69	58170004	U-BOLT	1
70	82150706	STAINLESS STEEL HEXAGONAL NUT MA 6	4
71	AR 03020004	MALE RIVET	1
72	58170006	LEFT SUPPORT	1
73	90220112	RETAINING RING E-12 ESP.	2
74	58170005	ARTICULATOR SHAFT	1
75	AR 03020009	FEMALE RIVET Ø 5 X 17mm	1
76	58170007	RIGHT SUPPORT	1
77	25130024	REAR PLATE	1
78	25130022	BOTTOM	1
79	28030017	WASHER	2
80	01100023	WASHER	7



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25205000 – CONCAVE PRESS WHEEL SET (OPTIONAL)
25205100 – CONVEX PRESS WHEEL SET (OPTIONAL)



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25205000 – CONCAVE PRESS WHEEL SET (OPTIONAL)
25205100 – CONVEX PRESS WHEEL SET (OPTIONAL)

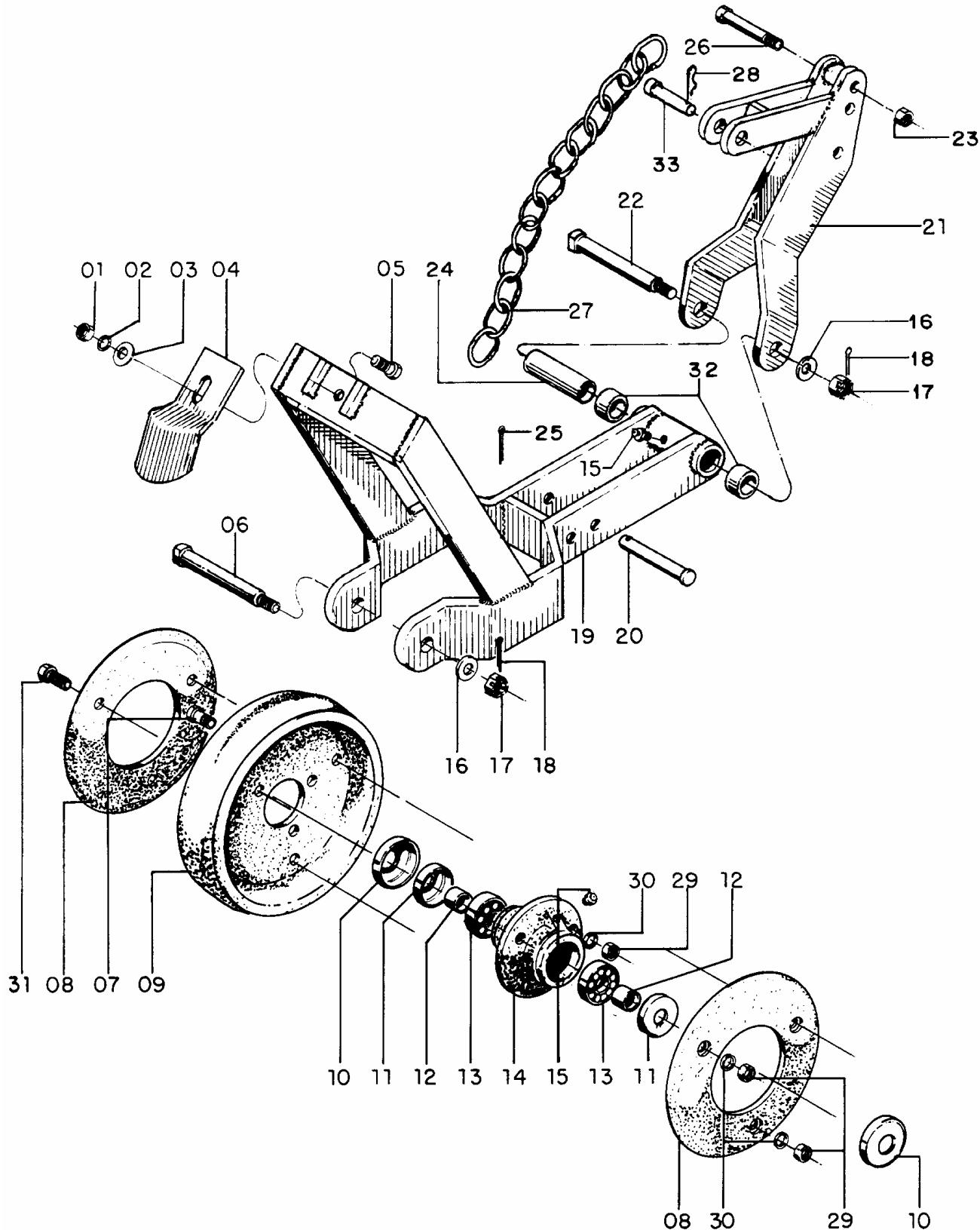
REF.	CÓDE	DENOMINATION	Q.T./ ROW
01	25200001	PRESS WHELL ARM	2
02	82010716	HEXAGONAL LOCK NUT M 16 DL	2
03	83010116	LOCK SPRING WASHER M 16	2
04	818710025	HEXAGONAL BOLT M 10X25	3
05	03240001	SHAFT BEARING	2
06	03240005	SEALING JOINT	2
07	89101386	RETAINER 01386 BRG	2
08	88206204	BALL BEARING 6204 Z	2
09	15170003	SHAFT	1
10	15170010	PRESS WHEEL	2
11	15170013	CONCAVE PRESS WHEEL	1
12	83010110	LOCK SPRING WASHER M 10	3
13	82050710	HEXAGONAL NUT M 10	3
14	84300618	STRAIGHT GREASE ZERK M 6X10	2
15	818701016	HEXAGONAL BOLT M 8X16	5
16	83010108	LOCK SPRING WASHER M 8	5
17	82050708	HEXAGONAL NUT M 8	5
18	818712035	HEXAGONAL BOLT M 12X35	1
19	83010112	LOCK SPRING WASHER M 12	3
20	82010112	HEXAGONAL NUT M 12	3
21	15107201	CONCAVE PRESS WHEEL SET FOR WHEAT	1
22	15107101	CONVEX PRESS WHEEL SET FOR WHEAT.....	1
23	15170011	CONVEX PRESS WHEEL 77X9	1
24	01050027	PIN	1
25	85001435	COTTER PIN 5/32" X 1"	1
26	15170700	MOUNTING BRACKET	1
27	818712070	HEXAGONAL BOLT M 12 X 70	2
28	15170014	BUSHING	1
29	15145101	MOUNTING BRACKET SET	1



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

**25215000 – CONVEX CAST IRON PRESS WHEEL
OPTIONAL**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25215000 – CONVEX CAST IRON PRESS WHEEL OPTIONAL

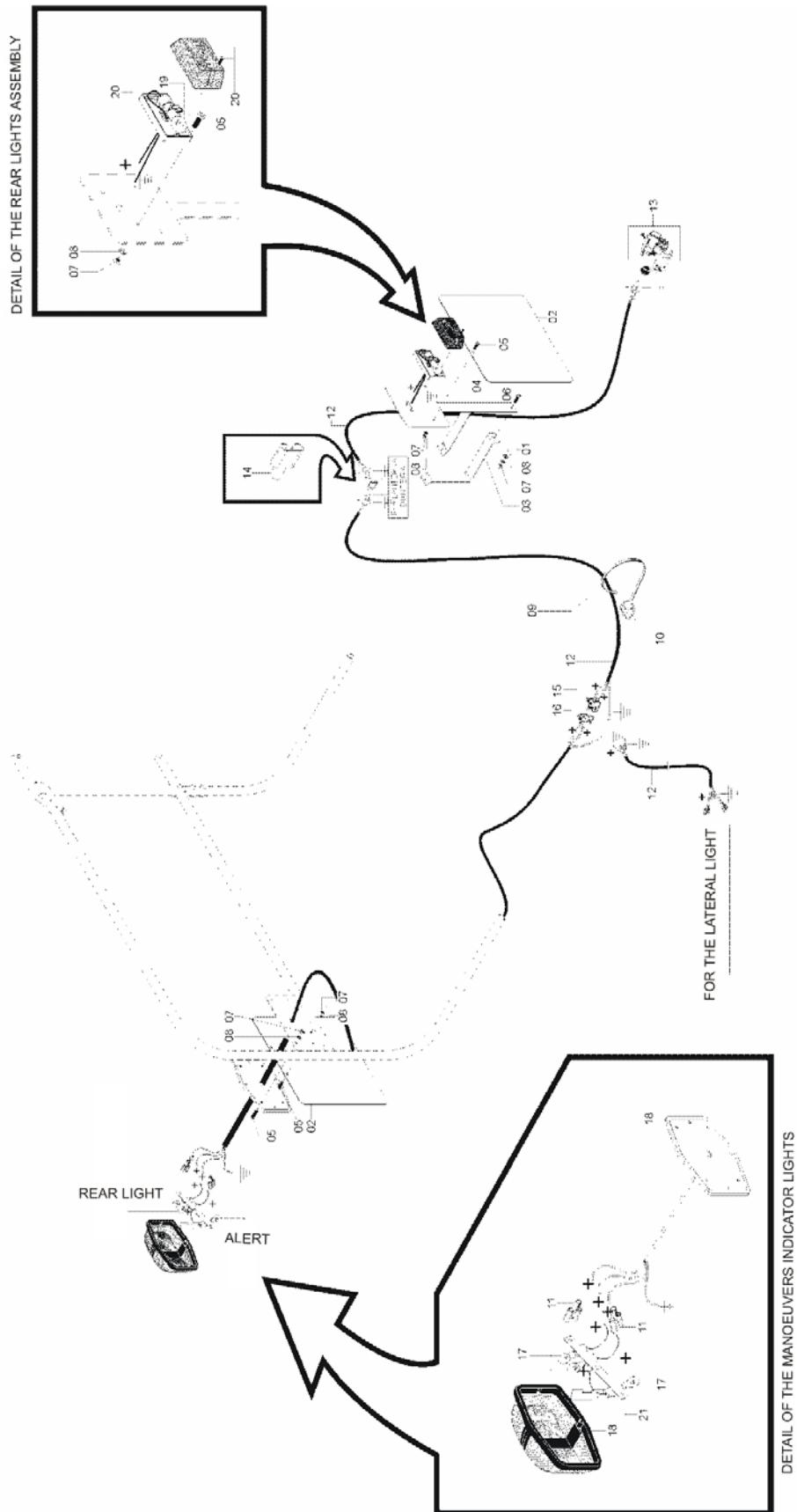
REF.	CÓDE	DENOMINATION	QT./ SET
01	82050712	HEXAGONAL NUT M 12	1
02	83010112	LOCK SPRING WASHER M 12	1
03	03100051	WASHER	1
04	25210005	SCRAPER	1
05	818712025	HEXAGONAL BOLT M 12 X 25	1
06	25210001	PIN	1
07	818710035	HEXAGONAL BOLT M 10 X 35	3
08	25210006	COUNTERWEIGHT	2
09	25210004	PRESS WHEEL	1
10	35200035	PROTECTION	2
11	89200131	RETAINER 00131 BR	2
12	35200012	BUSHING	2
13	88330204	CONE BEARING 30204	2
14	25210003	HUB	1
15	84300618	STRAIGHT GREASE ZERK M 6 X 1	2
16	15140010	WASHER	2
17	82030716	HEXAGONAL SLOTTED NUT M 16 DIN 979	2
18	85001235	COTTER PIN 1/8" X 1"	2
19	25210100	PRESS WHEEL SUPPORT SET	1
20	25210009	PIN	1
21	25210200	PRESS WHEEL SUPPORT SET	1
22	25210007	PIN	1
23	82000612	LOCK NUT M 12 DS	2
24	25210002	BUSHING	1
25	85001435	COTTER PIN 5/32" X 1"	1
26	818812070	HEXAGONAL BOLT M 12 X 70 (8.8)	3
27	91121006	ROLLER CHAIN 95 C 9,5 X 36 X 57 (11 LINKS)	1
28	15070001	COTTER PIN 3/32	1
29	82050710	HEXAGONAL NUT M 10	6
30	83010110	LOCK SPRING WASHER M 10	6
31	818710040	HEXAGONAL BOLT M 10 X 40	3
32	25210008	BUSHING	2
33	03130010	PIN	1



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25255200 – SIGNALLING SET



Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25255200 – SIGNALLING SET

REF.	CÓDE	DENOMINATION	QT./SET
01	15070071	FLAT WASHER	4
02	25250004	PLATE	4
03	25250005	SUPPORT'S LOOP	2
04	25250200	FRONT LIGHT SUPPORT SET	2
05	818706010	HEXAGONAL BOLT M 6X10	20
06	818806020	HEXAGONAL BOLT M 6X20 (8.8)	4
07	82050706	HEXAGONAL NUT M 6	24
08	83010106	LOCK SPRING WASHER M 6.....	24
09	86050051	CLAMP INSULOK T- 30 R.....	20
10	86314400	AUTO-ADHESIVE FIXER LKCS. ^a	20
11	86310062	FEMALE TERMINAL 1,5mm.....	8
12	86951205	FLEXIBLE COPPER WIRE (18 METERS).....	1
13	86951242	SOCKET 7 PÓLES.....	1
14	86310063	FEMALE TERMINAL 2,5mm.....	10
15	86950723	PLUG CONECTOR (MALE).....	2
16	86950724	TAB CONECTOR (FÉMALLE)	2
17	86940026	LIGHT 1 PÓLE	6
18	86951225	INDICATORS LIGHTS OF MANOUEVERS	2
19	86940023	BULB OF 2 PÓLES.....	2
20	86951241	FRONT LIGHT	2
21	86950601	FEMALE TERMINAL	2

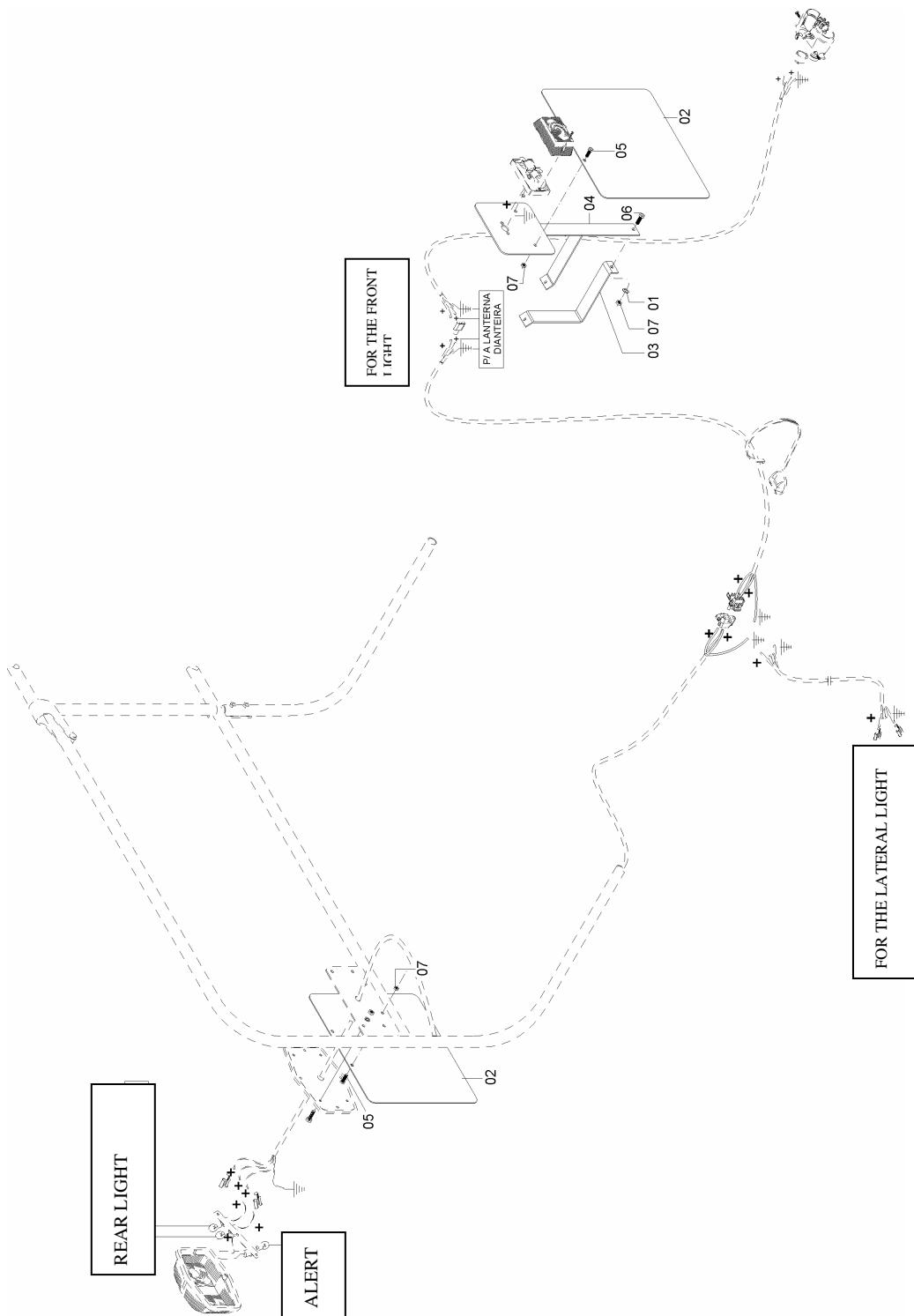


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25255100 – PREPARATION FOR SIGNALLING SET

REF.	CÓDE	DENOMINATION	QT./SET
01	15070071	FLAT WASHER	4
02	25250004	PLATE.....	4
03	25250005	SUPPORT'S LOOP.....	2
04	25250200	FRONT LIGHT SUPPORT.....	2
05	818806010	HEXAGONAL BOLT M 6X10 (8.8)	8
06	818806020	HEXAGONAL BOLT M 6X20 (8.8)	4
07	82000706	LOCK NUT M 6 DS.....	12

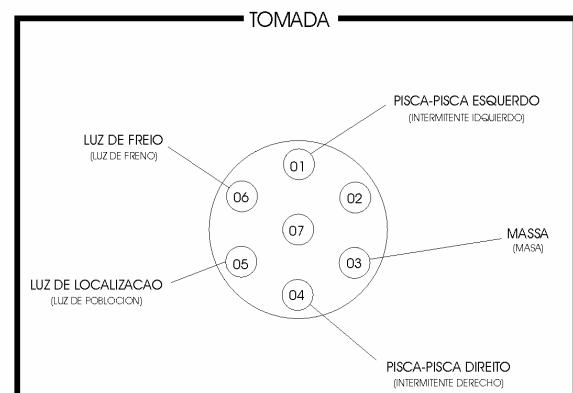
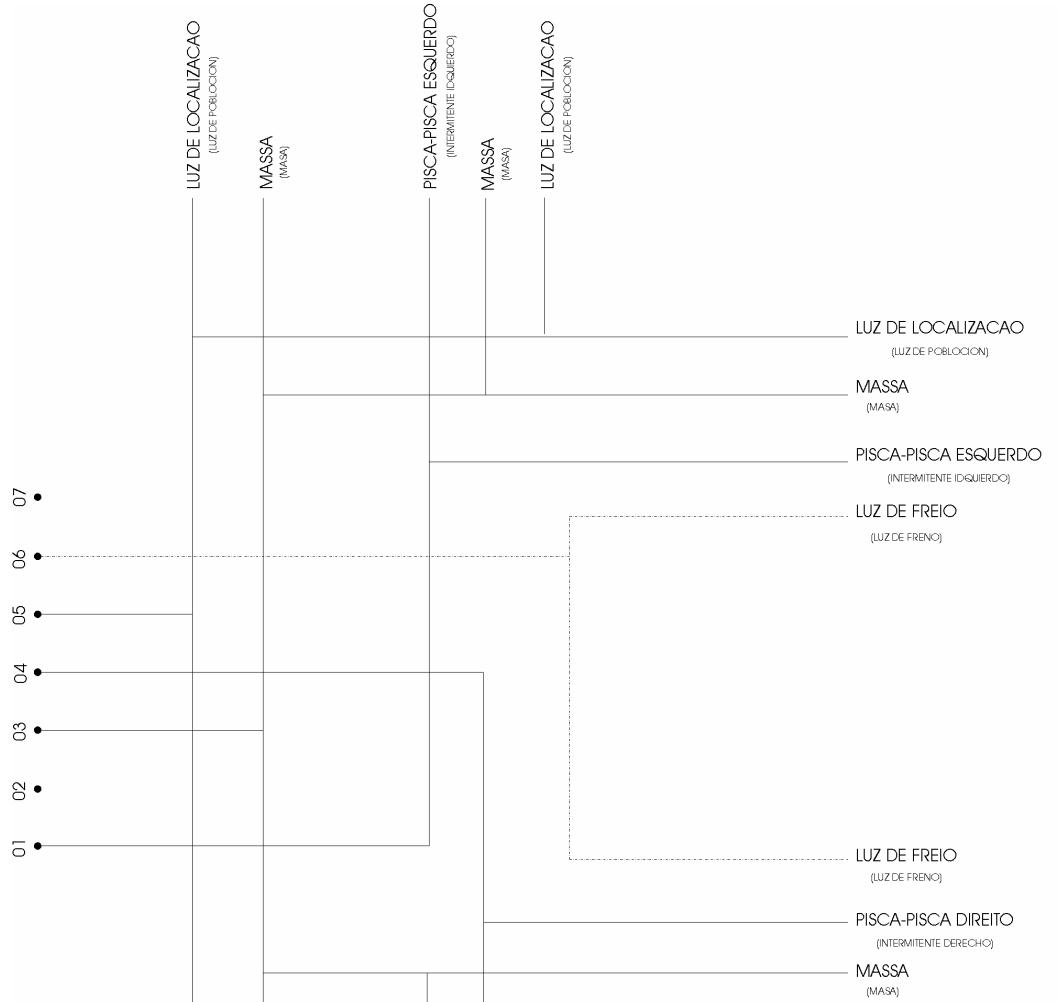


Parts Catalog

TDNG 300 E - TDNG 300 E Seed



ELECTRIC ILLUSTRATION (FOR MACHINES TDNG 300E/ 300E SEED EXPORTATION)



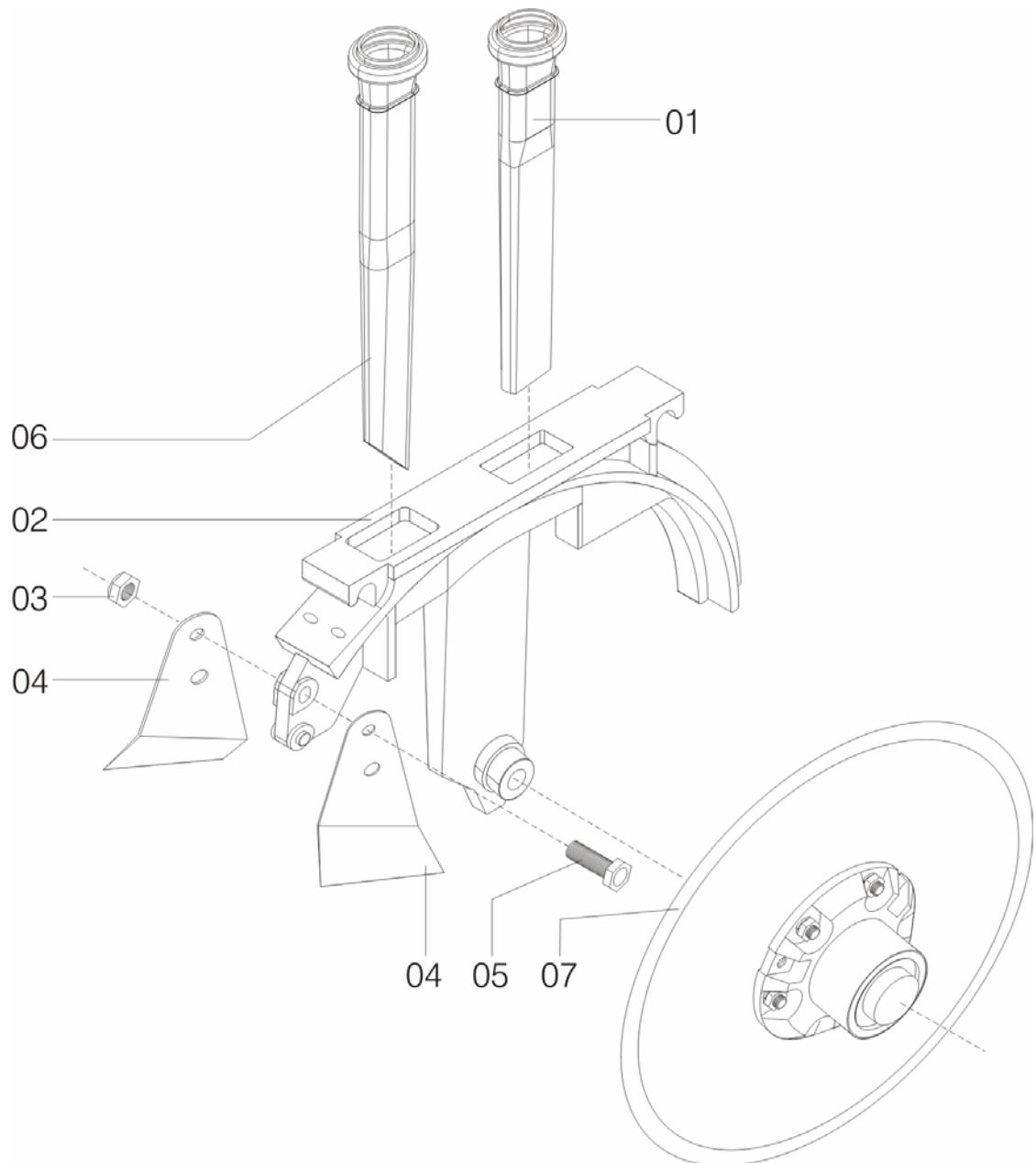


Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25075018 – OFFSET DISK OPENER SETO 15"X 16"

01	25070092	FERTILIZER TUBE.....	1
02	25070026	DISK'S SUPPORT	1
03	82000708	LOCK NUT M8 DS	1
04	15070056	INTERNAL RIGHT SIDE SCRAPER	1
04	15070057	INTERNAL LEFT SIDE SCRAPER	1
05	818708040	HEXAGONAL BOLT M 8X40	1
06	25070091	SEED TUBE	1
07	25077601	FLAT DISK SET 15.....	1
07	25077602	FLAT DISK SET 16"	1

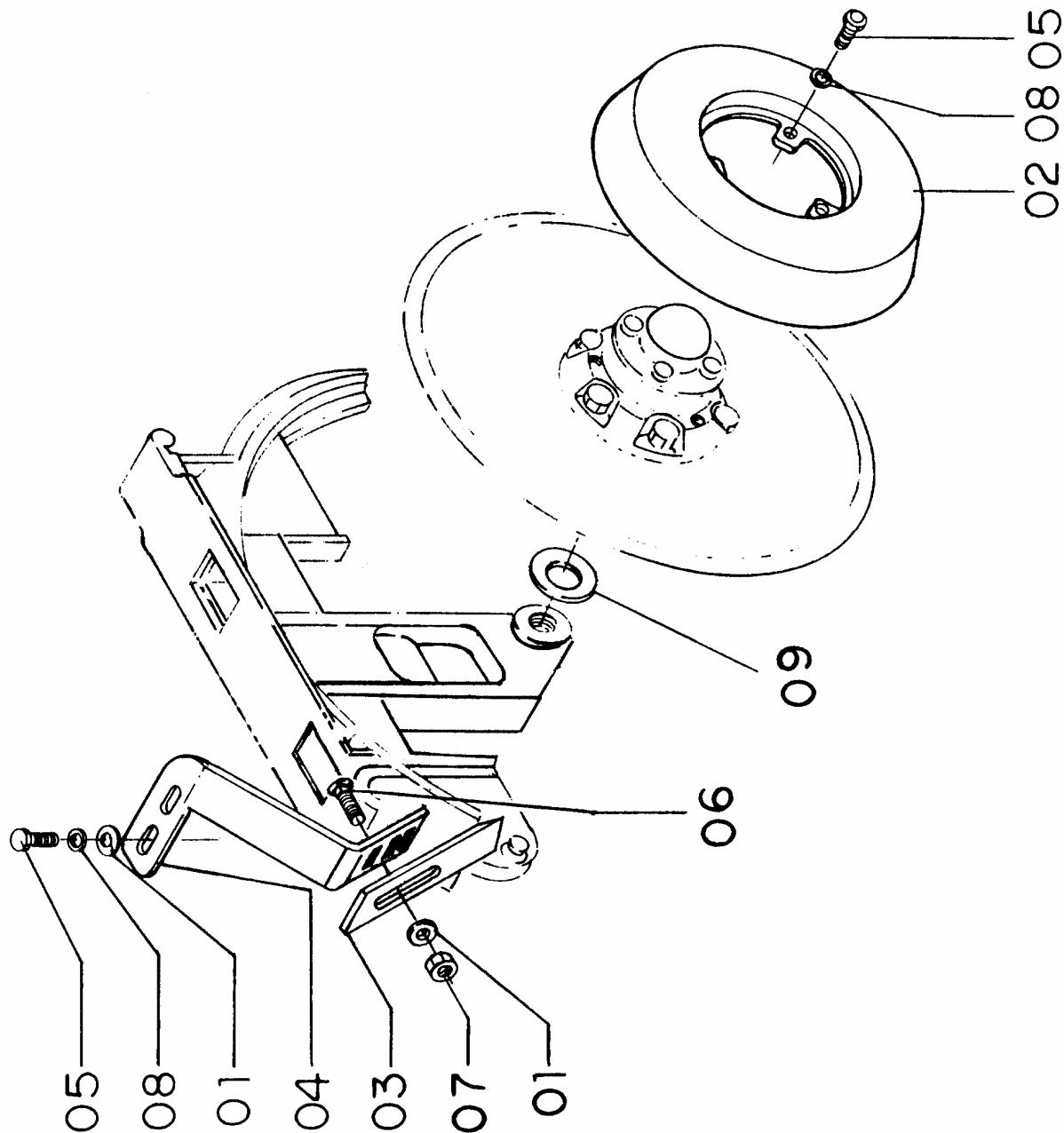


Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25077000 – RIGHT SIDE DEPTH CONTROL RING SET
25077100 – LEFT SIDE DEPTH CONTROL RING SET
(OPTIONAL)**





Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25077000 – RIGHT SIDE DEPTH CONTROL RING SET

**25077100 – LEFT SIDE DEPTH CONTROL RING SET
(OPTIONAL)**

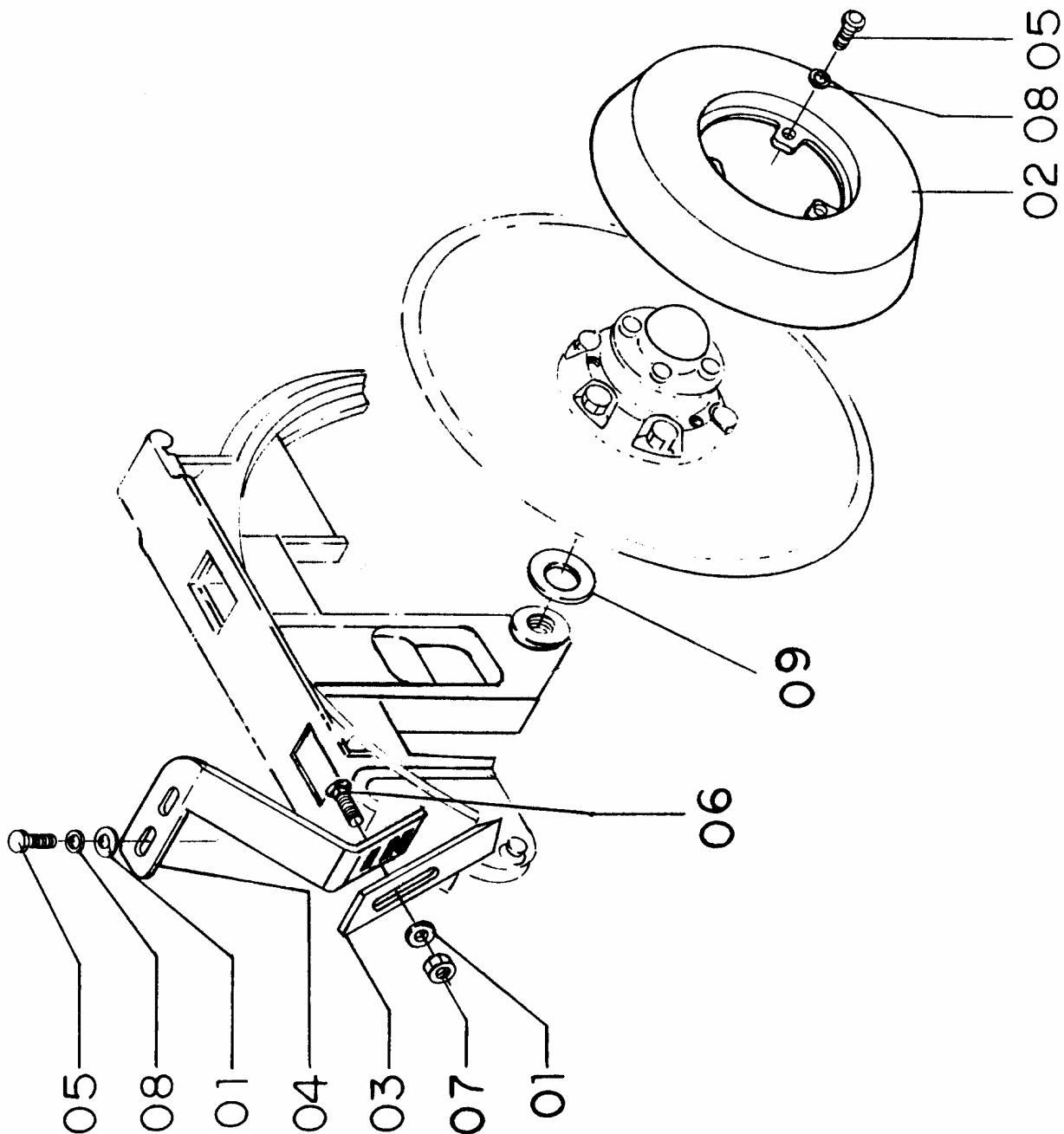
REF.	CODE	DENOMINATION	QT./ROW	
			Right	Left
01	01030053	FLAT WASHER	4	4
02	25070012	DEPTH CONTROL RING 40 DISK 15"	1	1
03	25070068	SCRAPER	1	1
04	25070059	RIGHT SIDE SCRAPER SUPPORT	1	-
04	25070060	LEFT SIDE SCRAPER SUPPORT	-	1
05	818810025	HEXAGONAL BOLT M 10 X 25 (8.8)	5	5
06	816810025	COUNTERSUNK BOLT M 10 X 25 (8.8).....	2	2
07	82000710	LOCK NUT M 10 DS	2	2
08	83010110	LOCK SPRING WASHER M 10	5	5
09	25070070	WASHER	2	2

Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25077900 – RIGHT SIDE DEPTH CONTROL RING SET
25078000 – LEFT SIDE DEPTH CONTROL RING SET
(OPTIONAL)**





Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25077900 – RIGHT SIDE DEPTH CONTROL RING SET

**25078000 – LEFT SIDE DEPTH CONTROL RING SET
(OPTIONAL)**

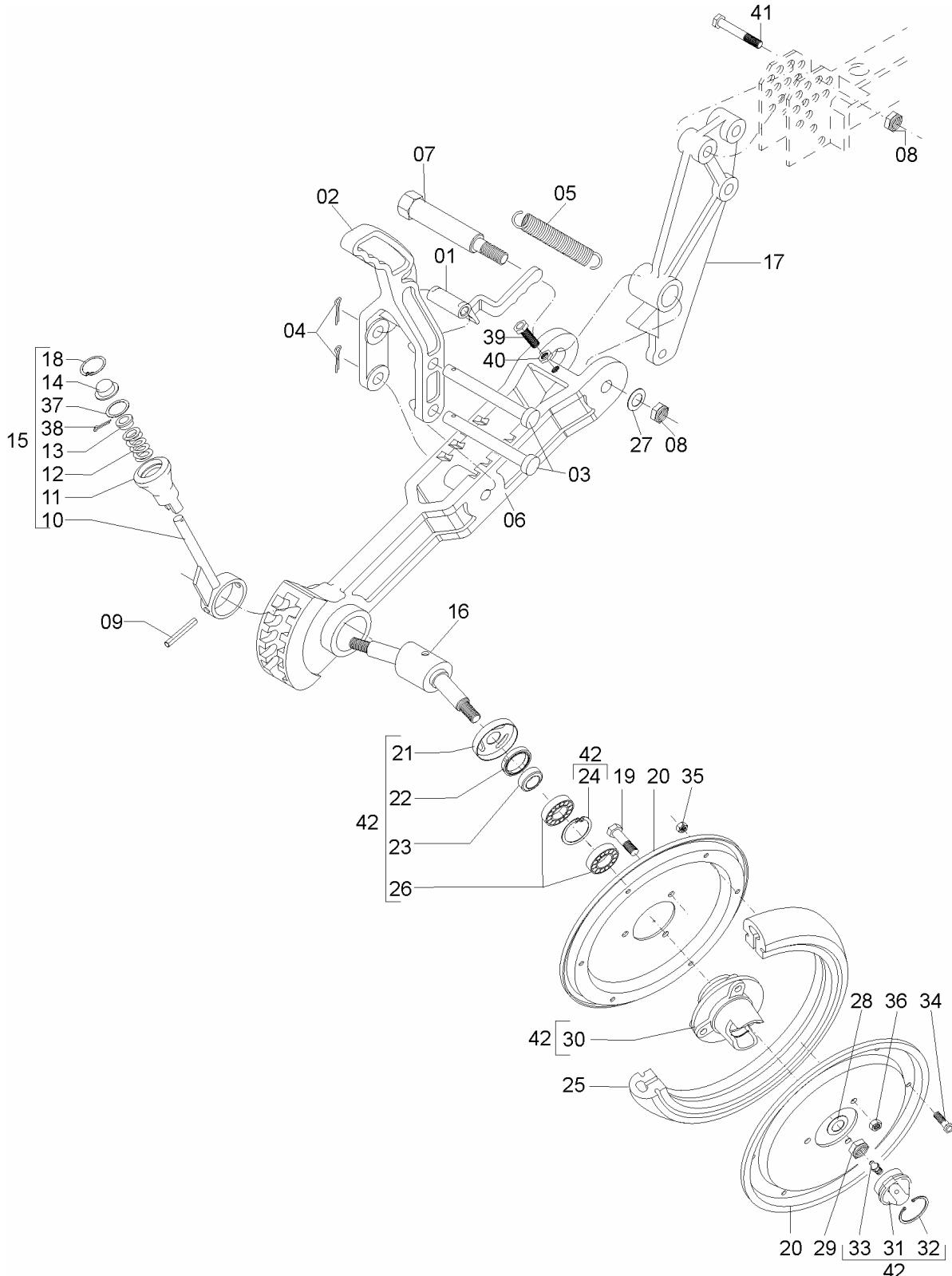
REF.	CODE	DENOMINATION	QT./ROW	
			Right	Left
01	01030053	FLAT WASHER	4	4
02	25070013	DEPTH CONTROL RING 25 DISK 15"	1	1
03	25070068	SCRAPER	1	1
04	25070059	RIGHT SIDE SCRAPER SUPPORT	1	-
04	25070060	LEFT SIDE SCRAPER SUPPORT.....	-	1
05	818810025	HEXAGONAL BOLT M 10 X 25 (8.8)	5	5
06	816810025	COUNTERSUNK BOLTM 10 X 25 (8.8).....	2	2
07	82000710	LOCK NUT M 10 DS	2	2
08	83010110	LOCK SPRING WASHER M 10	5	5
09	25070070	WASHER	2	2

Parts Catalog

TDNG 300 E - TDNG 300 E Seed



25305000 – CLOSING WHEEL SET





Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25305000 – CLOSING WHEEL SET

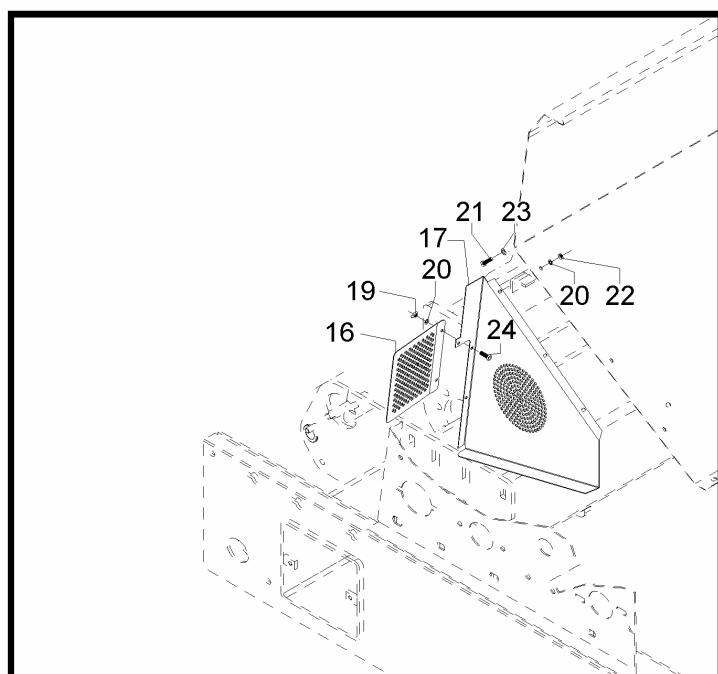
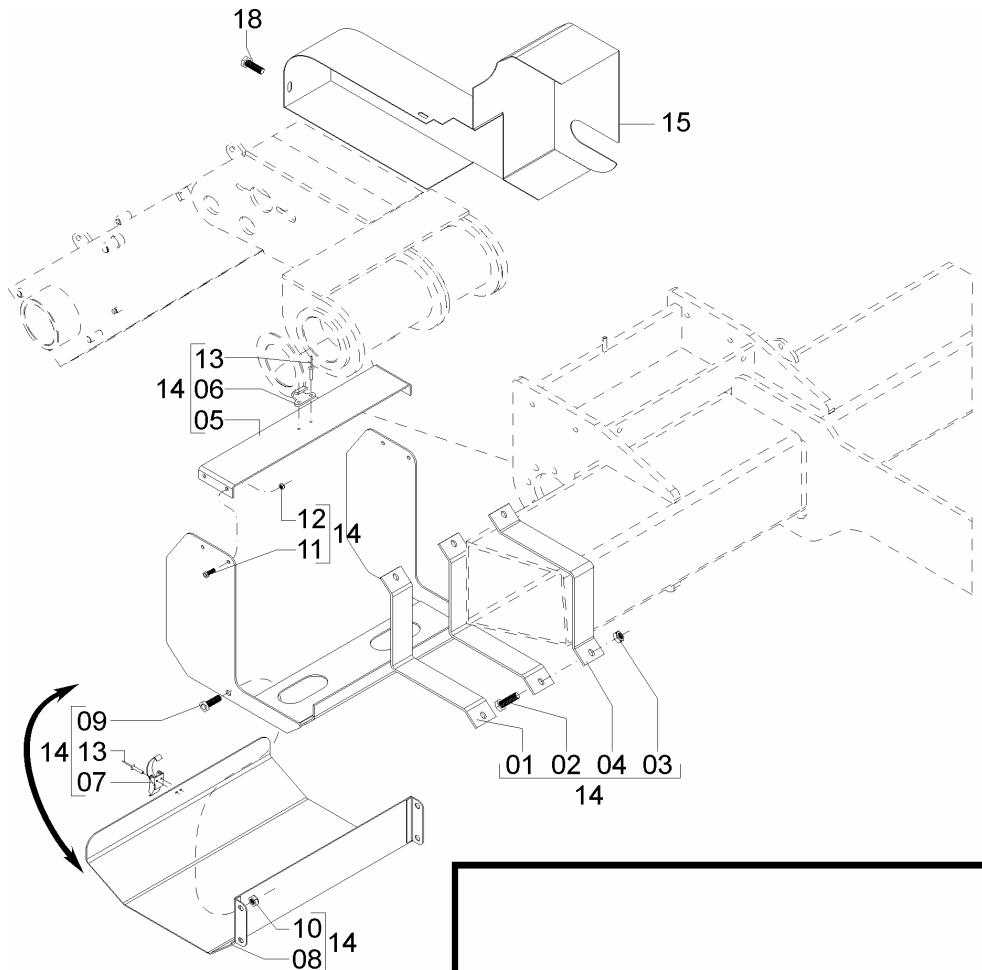
REF.	CÓDE	DENOMINATION	QT./ROW
01	56020012	HANDLE	1
02	56020011	SPRING ADJUSTER SET	1
03	56020032	PIN	2
04	85001235	COTTER PIN 1/8" X 1".....	2
05	25300005	SPRING	1
06	25300003	CLOSING WHEEL ARM	1
07	56020045	CLOSING WHEEL BOLT	1
08	82000712	LOCK NUT M 12 DODI STOP.....	4
09	92010845	RETAINING RING M 8 X 45	1
10	56020500	ADJUSTER SET	1
11	287450075	HANDLE	1
12	15170012	SPRING	1
13	56020031	SPRING GUIDE	1
14	28450076	HUB CAP	1
15	56025201	ADJUSTER ASSEMBLY SET	1
16	25300004	SHAFT	1
17	25300001	CLOSING WHEEL ADAPTER	1
18	90220235	RETAINING RING FOR HOLE I-35.....	1
19	818808030	HEXAGONAL BOLT M 8 X 30 (8.8)	6
20	35200031	FLANGE.....	4
21	35200035	PROTECTION	2
22	89200131	RETAINER 00131 BR.....	2
23	35200012	BUSHING	2
24	90220247	RETAINING RIN FOR HOLE I-47.....	2
25	15140007	PRESS WHEEL.....	2
26	88106204	BALL BEARING 6204.....	4
27	03100051	WASHER	4
28	56020037	WASHER	2
29	82000614	LOCK NUT M 14 DS.....	2
30	35200029	HUB	2
31	35200028	SHAFT BEARING LID	2
32	15140019	RING	2
33	84300818	STRAIGHT GREASE ZERK M 8 X 1,25	2
34	818806012	HEXAGONAL BOLT M 6 X 12 (8.8)	12
35	8201070608	LOCK NUT DIN 980 MA 6-8	12
36	8201070808	LOCK NUT DIN 980 MA 8-8.....	6
37	28450078	SEALING JOINT	1
38	85001030	COTTER PIN 3/32" X 3/4	1
39	36190005	HEXAGONAL BOLT	1
40	8205071608	HEXAGONAL NUT MA 16-8	1
41	818812070	HEXAGONAL BOLT M 12X70 (8.8)	3
42	35207600	CLOSING WHEEL HUB SET	2

Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25325200 – PROTECTION SET TDNG 300E SEED
(TDNG 300E SEED WITH PASTURE BOX)**



**DETAIL OF THE REAR
PROTECTIONS ASSEMBLY**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

**25325200 – PROTECTION SET TDNG 300E SEED
(TDNG 300E SEED WITH PASTURE BOX)**

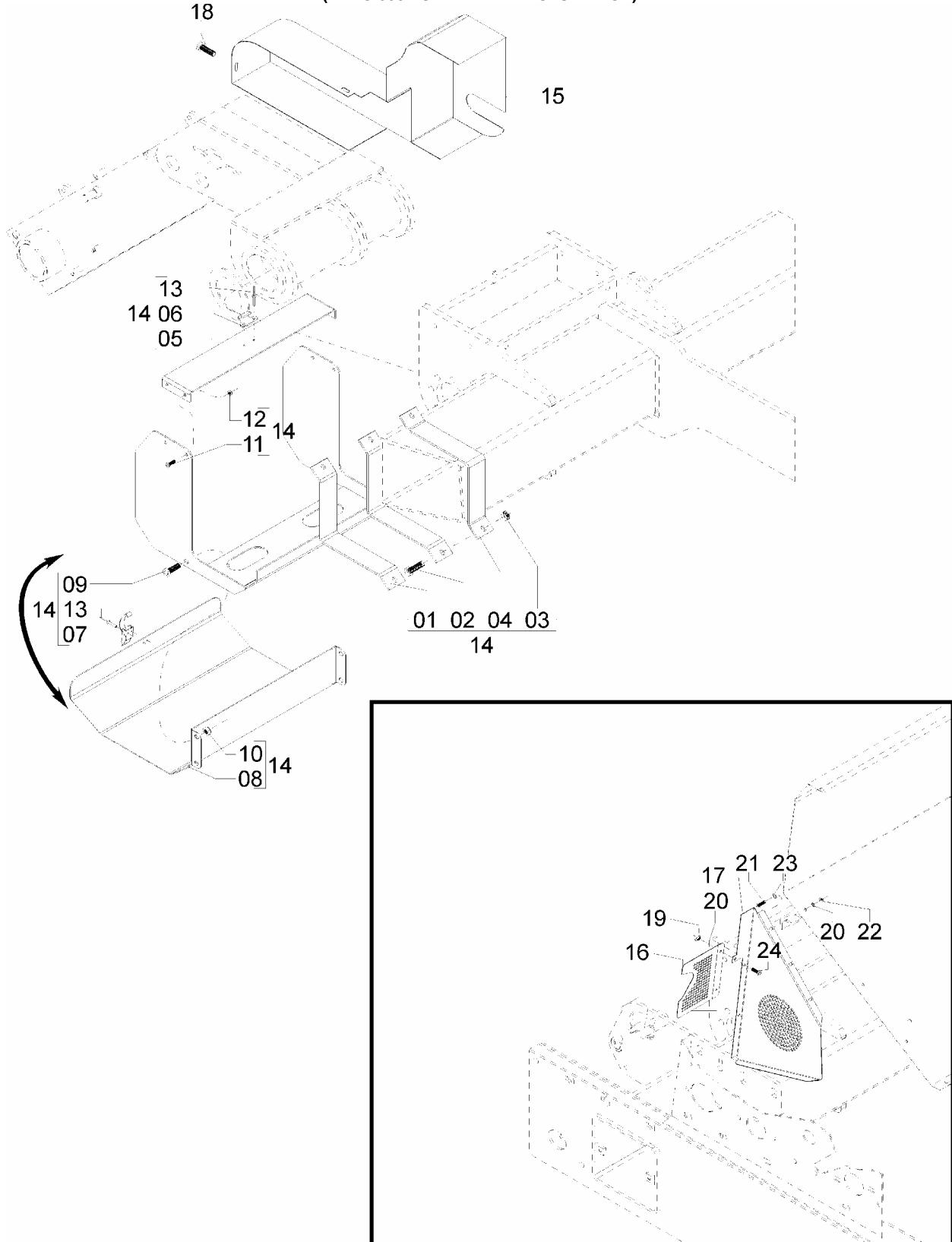
REF.	CÓDE	DENOMINATION	QT./SET
01	25064500	RIGHT PROTECTION SET	1
01	25064400	LEFT PROTECTION SET.....	1
02	818812045	HEXAGONAL BOLT M 12X45	8
03	82000712	LOCK NUT M 12 DS	8
04	25064402	LOOP	4
05	25060078	UPPER PLATE	2
06	86621530	LATCH TYPE B2 FOR LOCKET.....	2
07	86621520	QUICK LOCKET.....	2
08	25064600	LID SET.....	2
09	818810020	HEXAGONAL BOLT M 10X20 (8.8)	4
10	82000710	LOCK NUT M10 DS.....	4
11	818806020	HEXAGONAL BOLT M 6X20 (8.8).....	8
12	82000706	LOCK NUT M 6.....	8
13	87300407	RIVET POP 4X7.....	8
14	25065602	RIGHT PROTECTION SET	1
14	25065601	LEFT PROTECTION SET.....	1
15	25041600	RIGHT PROTECTION SET.....	1
15	25041500	LEFT PROTECTION SET.....	1
16	25320014	PROTECTION LID.....	1
17	25320012	RIGHT PROTECTION SUPPORT.....	1
17	25320013	LEFT PROTECTION SUPPORT.....	1
18	818808020	HEXAGONAL BOLT M 8X20 (8.8).....	4
19	82020706	WING NUT M 6	4
20	83010106	LOCK SPRING WASHER M 6.....	10
21	818806012	HEXAGONAL BOLT M 6X12 (8.8).....	6
22	82050706	HEXAGONAL NUT M 6.....	6
23	01100023	FLAT WASHER	6
24	818806016	HEXAGONAL BOLT M 6X16.....	4

Parts Catalog

TDNG 300 E - TDNG 300 E Seed



**25325300 – PROTECTION SET TDNG 300E
(TDNG 300E SEED WITH PASTURE BOX)**



**DETAIL OF THE REAR
PROTECTIONS ASSEMBLY**



Parts Catalog

TDNG 300 E - TDNG 300 E Seed

25325300 – PROTECTION SET TDNG 300E (TDNG 300E SEED WITH PASTURE BOX)

REF.	CÓDE	DENOMINATION	QT./SET
01	25064500	RIGHT PROTECTION SET	1
01	25064400	LEFT PROTECTION SET.....	1
02	818812045	HEXAGONAL BOLT M 12X45.....	8
03	82000712	LOCK NUT M 12 DS.....	8
04	25064402	LOOP	4
05	25060078	UPPER PLATE	2
06	86621530	LATCH TYPE B2 FOR LOCKET.....	2
07	86621520	QUICK LOCKET.....	2
08	25064600	LID SET.....	2
09	818810020	HEXAGONAL BOLT M 10X20 (8.8).....	4
10	82000710	LOCK NUT M10 DS.....	4
11	818806020	HEXAGONAL BOLT M 6X20 (8.8).....	8
12	82000706	LOCK NUT M 6.....	8
13	87300407	RIVET POP 4X7.....	8
14	25065602	RIGHT PROTECTION SET	1
14	25065601	LEFT PROTECTION SET.....	1
15	25041600	RIGHT PROTECTION SET	1
15	25041500	LEFT PROTECTION SET.....	1
16	25320018	RIGHT PROTECTION LID	1
16	25320017	LEFT PROTECTION LID.....	1
17	25320016	RIGHT PROTECTION SUPPORT.....	1
17	25320015	LEFT PROTECTION SUPPORT.....	1
18	818808020	HEXAGONAL BOLT M 8X20 (8.8).....	4
19	82020706	WING NUT M 6	4
20	83010106	LOCK SPRING WASHER M 6.....	10
21	818806012	HEXAGONAL BOLT M 6X12 (8.8).....	6
22	82050706	HEXAGONAL NUT M 6.....	6
23	01100023	FLAT WASHER	6
24	818806016	HEXAGONAL BOLT M 6X16.....	4

Parts Catalog

TDNG 300 E - TDNG 300 E Seed



"Due to all efforts for continued on-going product improvement SEMEATO reserves the right to change any specifications or component without previous notice".



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Passo Fundo, April 2008.