

XPERIENCE

REV. 2023



INSTRUCTIONS AND SPARE PARTS MANUAL



CONGRATULATIONS!

You have just acquired Ovlac machinery!

As the country's largest producer of agricultural machinery for soil tillage, we are honoured that you have chosen Ovlac as your trusted choice.

After many years of experience in the field, we make sure that you will be proud of your purchase in the same way that we are proud of the product we have created under the strictest quality standards.

For the correct use and enjoyment of this equipment, we strongly recommend that the customer read the instructions contained in this manual and use it as a reference for any questions that may arise regarding the operation of your Ovlac equipment.

Sincerely yours: Jorge Calvo
CEO of OVLAC



CONSIDERATIONS

This instruction manual describes the Operating and Maintenance Instructions and Spare Parts for the indicated equipment.

This agricultural equipment, called **XPERIENCE**, is designed for tilling the soil, applied to a Tractor with lifting gear and universal threepoint linkage.

The proper functioning of the machine depends on its correct use. It is therefore advisable to read the instructions given in this manual carefully in order to avoid any inconvenience that could impair the proper functioning and durability of the machine.

It is also important to follow the instructions in the manual, as the Manufacturer declines all responsibility for negligence and non-observance of these instructions.

The Manufacturer is at your disposal to guarantee immediate and accurate technical assistance and to provide all that may be necessary for a better functioning and performance of the machine.

The Manufacturer reserves the right to modify the Machine without the need to urgently update this publication.



INDEX

- 1.- Security Rules
- 2.- Description and technical data
- 3.- Security systems
- 4.- Adaptation to the tractor
 - 4.1.- Link up to the tractor
 - 4.2.- Bodies
 - 4.3.- Alignement
 - 4.4.- Working depth
 - 4.5.- Other adjustments
- 5.- Turn Up
 - 5.1.- Turning and memory
 - 5.2.- Varilabor
 - 5.3.- Width of the 1st furrow
 - 5.4.- Perpendicularity at work
- 6.- Wastes burial
- 7.- Transport and parking
- 8.- Maintenance
- 9.- Optional equipment
- 10.- Spare parts



1.- Security Rules

Read carefully all the instructions for use of the cultivator.

The manufacturer declines all responsibility for any inconvenience caused by NOT observing the Safety and Accident Prevention Regulations described below.

- 1.- Pay attention to the danger and warning symbols shown in this manual and indicated on the equipment.
- 2.- Repairs and adjustments to the equipment must always be carried out with the engine stopped and the tractor locked.
- 3.- It is strictly forbidden to transport people or animals on the equipment.
- 4.- It is strictly forbidden to entrust the driving of the tractor, with the equipment hooked up, to people without a driving license, inexperienced, or who are not in good condition.
- 5.- Scrupulously observe all the accident prevention measures recommended and described in this manual.
- 6.- The application of additional equipment to the tractor implies a different weight distribution on the tractor axles.
- 7.- Before putting the tractor and the equipment into operation, check that all the safety elements for transport and use are in perfect condition.
- 8.- The symbols with warnings displayed on the equipment give the appropriate suggestions for the use of the same.
- 9.- To circulate on the road, it is necessary to observe the rules of circulation according to the country where it's operated.
- 10.- Respect the maximum weight foreseen on the tractor, the total mobile weight, the transport regulations and the road code.

- 11.- Before starting to work, familiarise yourself with the control devices.
- 12.- Pay the utmost attention to hitching and unhitching the equipment.
- 13.- Never leave the driving position when the tractor is in motion.
- 14.- Remember that road adherence, steering and braking capacity may vary significantly due to the presence of suspended equipment.
- 15.- It is strictly forbidden to remain in the area of action of the equipment.
- 16.- Before leaving the tractor, lower the suspended equipment, stop the engine, apply the parking brake, and remove the ignition key from the dashboard.
- 17.- The category of the hitch pins of the equipment must correspond to that of the linkage of the lift.
- 18.- Pay maximum attention when working in the area of the arms of the tractor, it is a very dangerous area.
- 19.- It is strictly forbidden to stand between the tractor and the equipment to manoeuvre the external lifting control.
- 20.- During road transport with the equipment suspended, put the control lever of the hydraulic lift in the locking position.
- 21.- The spare parts must correspond to the requirements defined by the Manufacturer. Always use original spare parts.
- 22.- The safety instruction decals must always be clearly visible. Clean and replace them if they are not legible (You can ask your dealer for them).
- 23.- The instruction manual must be kept for the whole life of the equipment.



WARNING

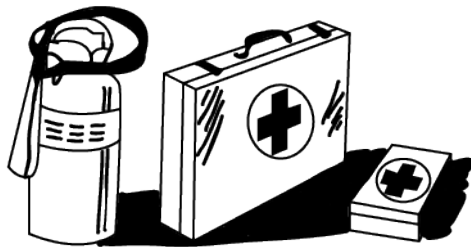
Before starting to work, read the instructions in the manual.

DANGER

Do not handle the equipment when it is suspended, danger of crushing. Maintain the safety distance.

DANGER

Lifting the equipment can cause injuries due to reaching. Maintain the safety distance.



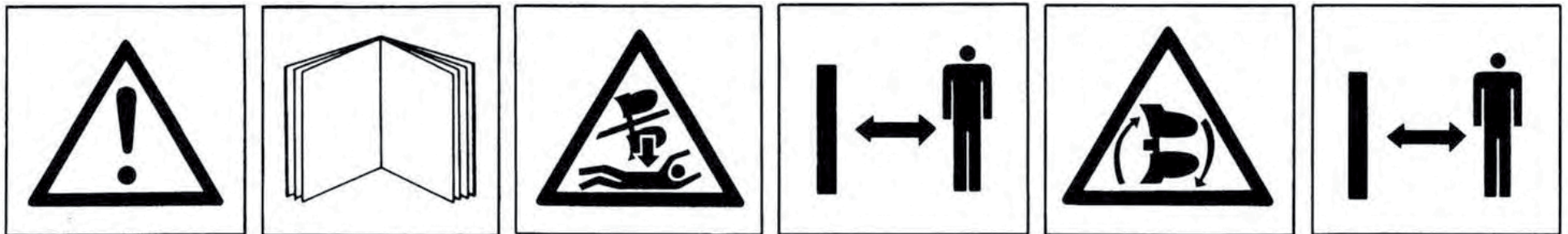
To be ready in case of an emergency

Keep a first aid kit and fire extinguisher on hand. Write down the telephone numbers of doctors, ambulance and fire brigade and keep them near the phone.

Use adequate clothes

Avoid loose clothing and use appropriate safety equipment depending on the type of work. Safe operation of the machine requires the full attention of the operator.

Don't use headphones for listening to the radio while working with the machine.



SPECIFIC INSTRUCTIONS FOR WELDING REPAIRS

When repair by welding is authorised by the manufacturer, the following points shall be taken into account generally.
In particular cases, appropriate welding instructions shall be provided for each application.

1 Repair welding should be carried out by qualified welders and in accordance with good technical and safety code practice.

2 Before welding repairs, remove paint, rust, dirt or any other substances harmful to the weld.

3 To avoid damage to mechanical or hydraulic components such as bearings, shafts, hydraulic actuators, hydraulic systems, etc., care should be taken to place the earth connection in an area of good contact, free of paint and rust.

On machines with hydraulic cylinders, we must ensure that the welding current does not flow through such elements. For this purpose, the earth connection shall be placed on the same part of the machine to be repaired.

4 Our machines are made of high elastic limit (HEL) steels, which means that special attention must be paid to welding processes and filler materials. In general, basic coated electrodes E7016 or E7018 will be used. For the MAG (semi-automatic) welding process, ER70S6 wire and Ar+20CO₂ will be used as shielding gas. In both cases, follow the recommendations for drying times and temperatures recommended by the manufacturers of the filler material.

5 When the parts to be welded are thicker than 15 mm, or the ambient temperature is lower than 15 °C, preheating by flame between 75-100 °C is recommended.

6 It is strictly forbidden to cool welding seams with water, air or any other substance.

In case of questions during repair, please contact the manufacturer via the usual means of communication.

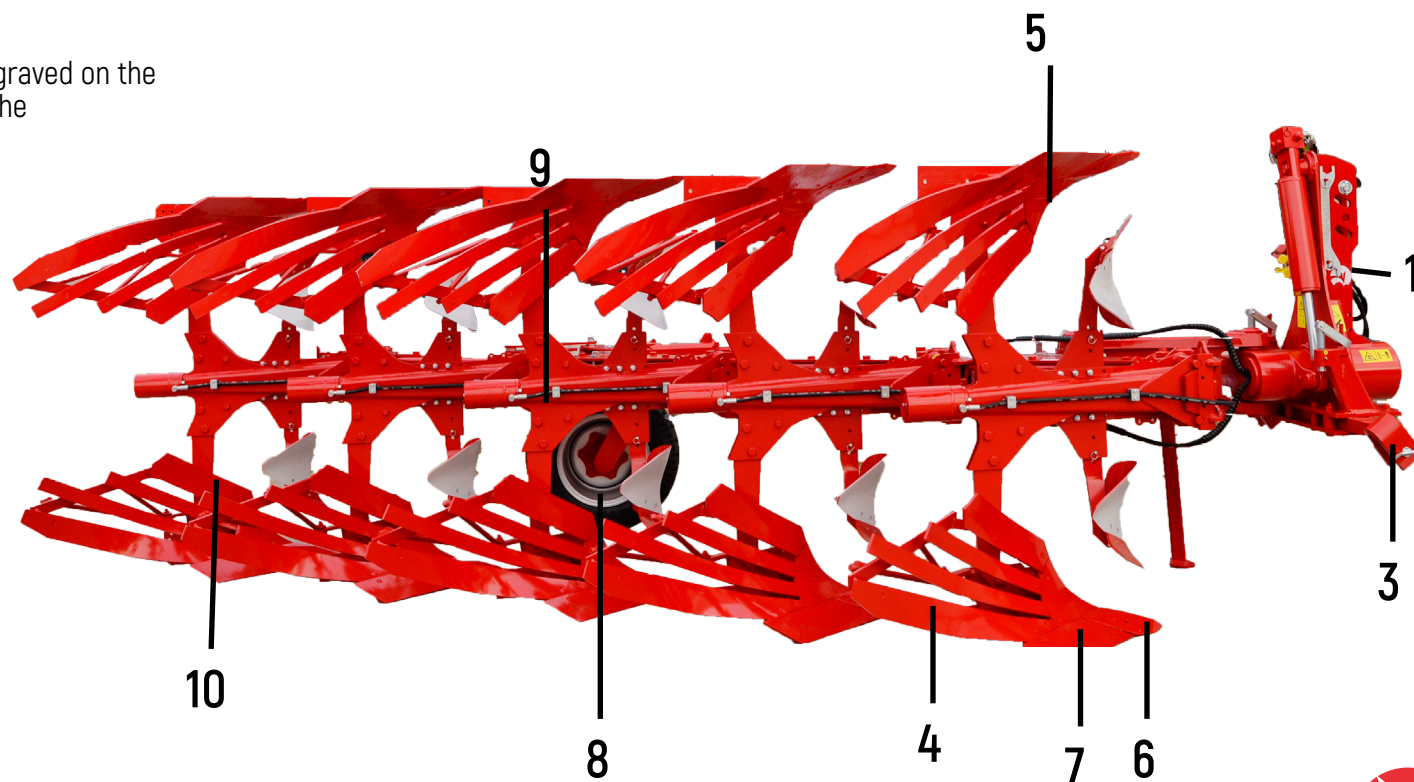


2.- Description and Technical Data

1. HEADSTOCK
2. IDENTIFICATION PLATE*
3. OSCILLATING SHAFT
4. BODY
5. BODY SUPPLEMENT
6. SHARE POINT
7. SHARE
8. CONTROL WHEEL
9. SECURITY SYSTEM
10. LEG

Note: the number of the plough's manufacture, engraved on the nameplate, must match the number engraved on the headstock's support.

*2. Identification plate



TECHNICAL DATA

MODELS	XPERIENCE-130	XPERIENCE-150	XPERIENCE-180
Interbody distance	85/95 cm (standard to choice) and 105 cm (optional) > 105 cm unavailable in some models		
Underbeam clearance	72 cm or 78 cm (standard to choice)		
Working width (V)	12" - 22"		
Frame	100x150x8 mm	150x150x8 mm	150x150x8 mm

MODELS: GC	XPF/XPFV -120	XPF/XPFV -130	XPF/XPFV-180
Interbody distance	105 cm		
Underbeam clearance	90 cm		
Working width (V)	12" - 22"		
Frame	100x150x8 mm	150x150x8 mm	150x150x8 mm



3.- Security Systems

Shearbolt security systems warantee protection through its shearing bolts. When the tip faces an obstacle, the bolt breaks, allowing the leg to turn on its hosting. In order to continue the labor you need to place the leg again and find a new replacement for the bolt **B**. (Fig. 1)

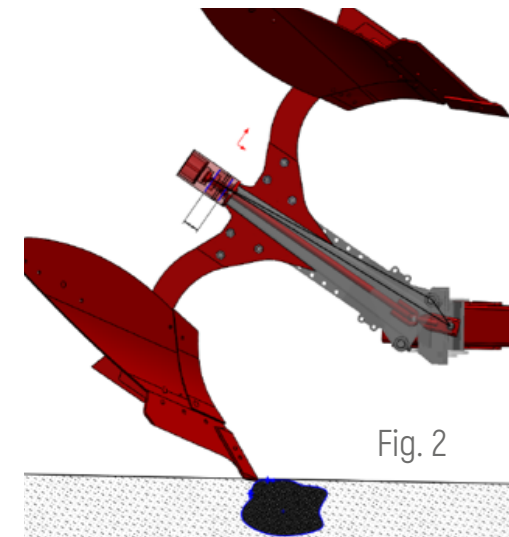
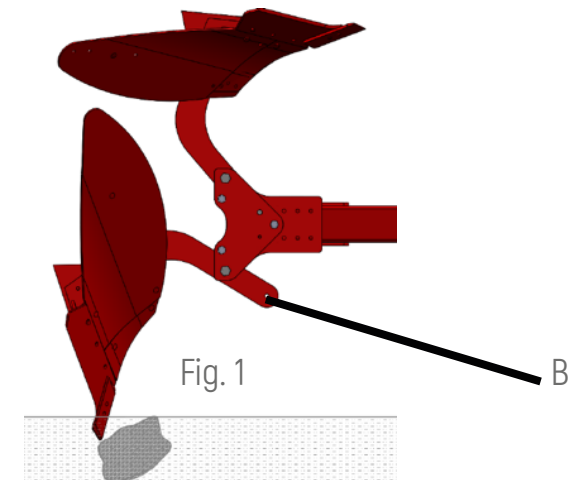
WARNING: Use only original shearbolts. Other kind of bolts will not offer the same resistance, which can result in malfunctioning and therefore cancellation of the warranty.

NOTE: size and quality of the shearbolts is calculated for them to break at a determined pressure. Is essencial to replace the bolts with same-quality and size bolts, otherwise you'll lose the warranty.

Hydraulic **"Non-Stop"** security systems act automatically. When the shear faces an obstacle, the system gives up, allowing the leg to elevate and save it, retrieving afterwards to its original position without stopping the tractor. (Fig. 2)

By doing so, all the impacts made by uneven terrain are absorbed by the security system, which protects all the elements of the plough, and of course, the tractor.

For the same reason, "Non-Stop" security systems decrease the traction effort by avoiding the tractor to face all the obstacles by itself.



In the **HYDRAULIC** models, in order to adapt the plough to the conditions of the terrain, you may regulate the trigger pressure by injecting (hard terrains) or retiring (soft terrains) oil from the circuit and modifying the pressure in the whole system. For regulating the working pressure you must:

- Open the key **C** (Fig. 3) in order to read the pressure in the pressure gauge.
- Open the key **L** (Fig. 3).
- Acting over the corresponding tractor command to increase or decrease the pressure.
- Once the pressure is adjusted, close the keys **L** and **C**.

Note: The **OVLAC** Non-Stop security systems are regulated in-factory at an optimum pressure for medium-hardness terrains. Always work with a pressure in between 120 and 135 bars. Maximum working pressure is 140 bars.



Fig. 3



4.- Turn Up

4.1 - Link to the tractor

OVLAC ploughs are designed to be adapted to the three universal linking points of any tractor.

The oscillating shaft, or linking rod, is supplied in 2 versions (distance between centers):

Category II	890 mm.
Category III	1025 mm.

The linking rod must have the right length in order to make the pulling forces converge at the center of the front axis, as displayed in the Fig. 4.

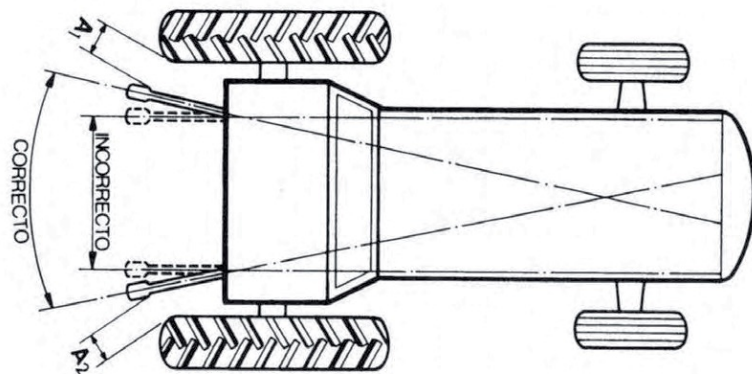


Fig. 4

4.2 - Working bodies

Eliminate the layer of paint that protects the bodies before working, in order to avoid sticky soil in your bodies.

Check that the distances **A1=A2** and **B1=B2** as shown on the Fig. 6. If said distances doesn't match, adjust them through the pulling **C** and the Bolts **D** and **D'**. (Fig. 5 y 6).

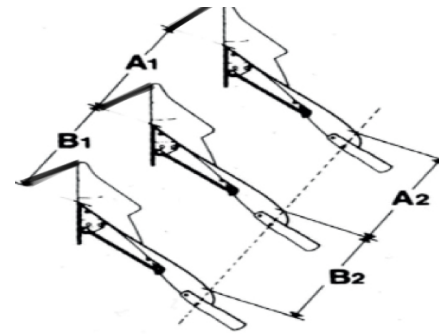


Fig. 5

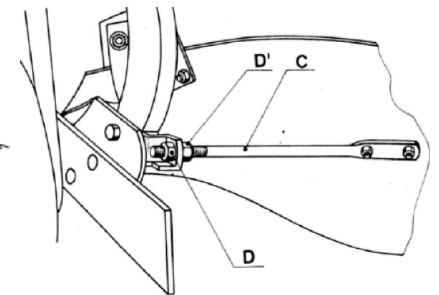


Fig. 6



4.3 - Alignment

The plough must work aligned with the tractor, if not, the plough will tend to abandon the working direction. Must check that the distance $A1=A2$ (Fig. 5, pag. 10). In the **OVLAC** ploughs, the drifting effect is auto-corrected thanks to the oscillating shaft.

At ploughs with no oscillating shaft you must act over the tensor T of drifting correction (Fig. 8) by making the rules on the sticker P.

The third point arm must be coupled in a way that, **when on working position**, the end that links over the plough remains slightly higher than the end that links to the tractor (Fig. 7).

The third point (**EXCEPT TRACTORS WHOSE CONTROL IS ON THE THIRD POINT**) must always link the drill E (Fig. 7) trying that its length doesn't stop its free movement throughout the whole labor.

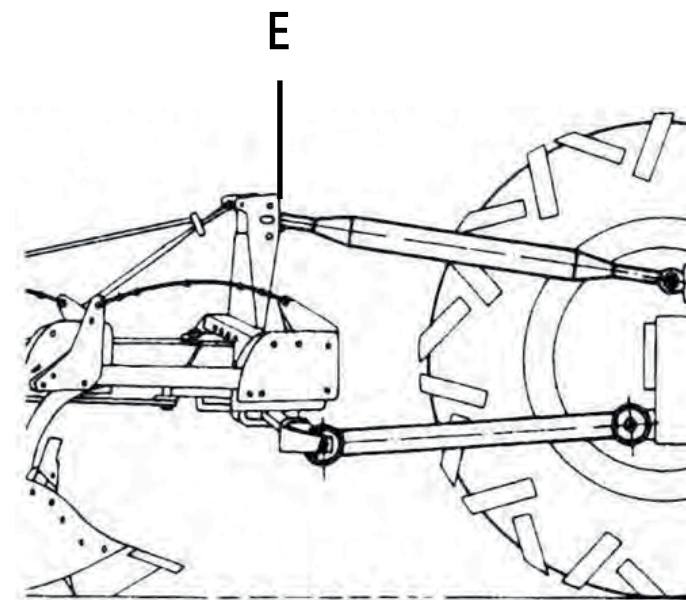


Fig. 7

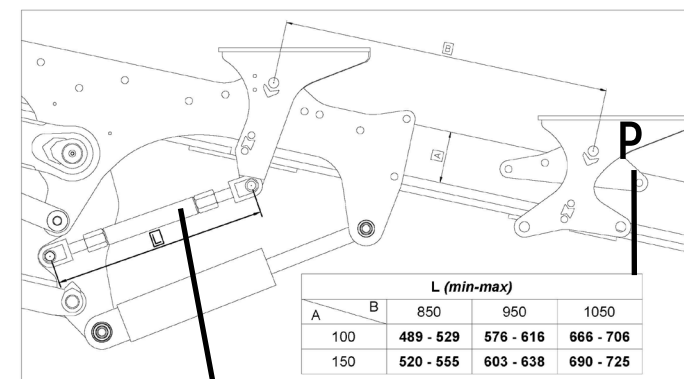


Fig. 8



4.4 - Working depth

The working depth is regulated through the lifting pull of the tractor. Nonetheless, in order to obtain an even working width in order to save power, all ploughs must be equipped with a depth-limiting wheel (Fig. 9) which height is regulated through the threaded tops A, as the figure 10 indicates. There is a relation between depth and working width that is convenient to respect in order to obtain the best results.

The board provides an excellent reference between working width and depth, which applied correctly it will turn out as great results.

We recommend to maintain the right pressures in order to extend the life of the wheel, as noticed on the last board.

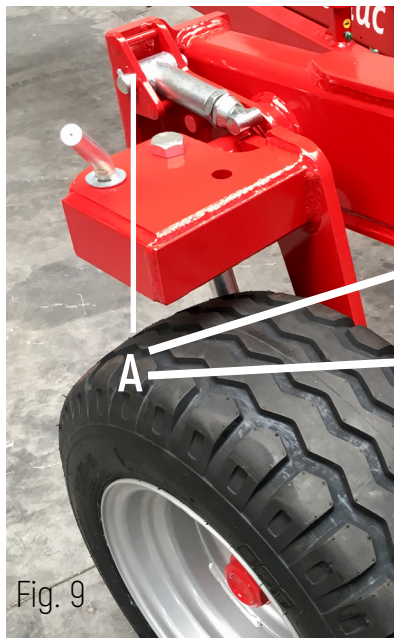


Fig. 9

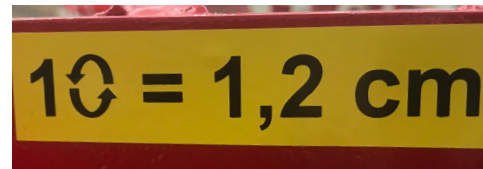


Fig. 10

Width	Inches	12"	14"	16"	18"	20"
	Cm	30	35	40	45	50
Maximum depth		24	28	32	36	40
Minimum depth		15	17	20	22	25
Recommended depth		21	25	28	32	35

6.00*9" - 10PR V50	5 Bar.
200/60*14,5" - 10PR	5 Bar.
250/65*14,5" - 12PR	4,75 Bar.
320/60-12 132A8 421TT	4 Bar.
400/60*15,5"TL-14PR FLOTATION	3,6 Bar.
500/45*22,5"-16PR	3,6 Bar.
08" 18x7 - 16PR TT	8 Bar.



4.5 - Other adjustments

The length of the third point must be adjusted in a way that the frame is parallel to the ground, otherwise the first bodies would work at uneven depth compared to the last bodies, resulting in uneven labor (Fig. 11).

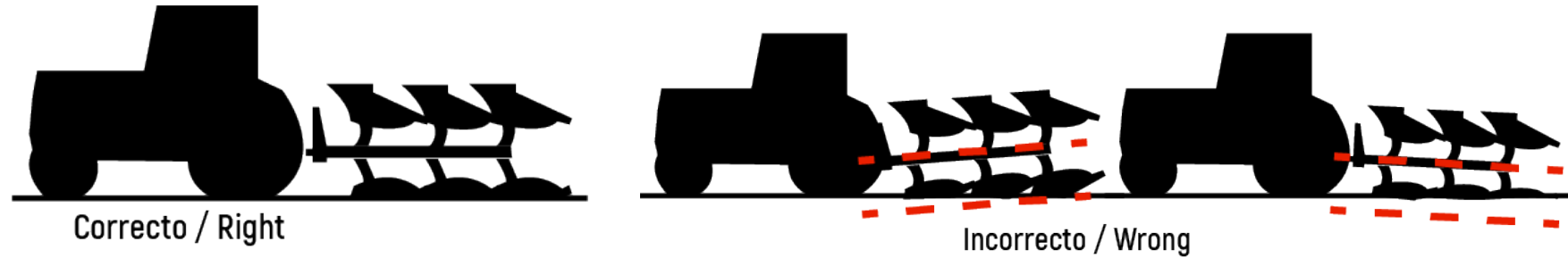


Fig. 11



5.- Turn up

5.1 - Turning and memory

The turning point of the plough is done from the tractor's cabin, acting in a programmed way over the corresponding hydraulic controller up to the end of the turn - This is made by turning always to the same side.

Ploughs with 5 or more bodies standardly incorporate an hydraulic memory that aligns the plough automatically, turn it y and give it back to the working position prior to the turning maneuver when acting continuously over the corresponding hydraulic controller.

Important:

- The hydraulic controller must be acting non stop until the end of the complete alignment sequence, turn, and back to the working position; therefore, if we program the turning sequence with memory, we need to have in account the necessary time to finish the whole sequence may vary depending on the working width, temperature and ammount of oil, load on the bodies, terrain's inclination...

- In ploughs with memory, you have to pay attention and don't act over the opening's nor working width's cylinders at the same time as the turning controller, ecause this can block the memory and not let the sequence be done correctly. If by any accidental or inadequate driving of the controllers the memory blocks and start s the turning without aligning the plough and the opening cylinder doesn't move, you have to act over the turning controller at the same time as over the opening in the other way until the plough is aligned. Afterwards we adjust the opening individually with its controller and then we can make the right turning sequence acting normally over the turning controller.

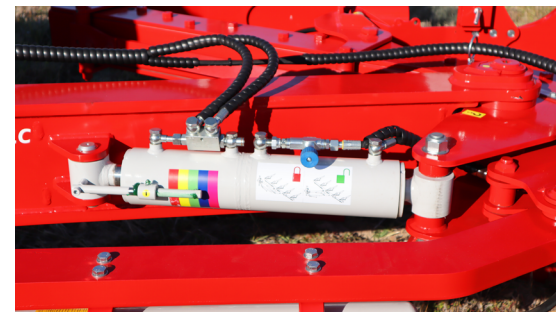


Fig. 12



5.2 - Varilabor

In the **OVLAC XP** models the working width can be adjusted up to the needs of the farmer, in 4 different positions divided by steps of 2" (5 cm). The positions 1 and 4 answer to the minimum and maximum positions, respectively (Fig. 15). After changing the working width of the plough, you must regulate the landslide extension of the plough through the memory cylinder **C** by adjusting the working measure as the sticker **X** indicates (Fig. 14) Make sure that the allignement of the bodies coincide with the working direction.

XPV models incorporate the exclusive OVLAC control system of the first body and variable cut -Varilabor-, which allows to adopt any working width between 10" (30 cm) and 22" (55 cm), with a single operation directed over the cylinder C, even moving, from the tractor's cabin.

If the plough does not have an oscillating shaft available you must adjust the drifting through the tensor **T** (until it matches the measure indicated in the sticker **P**).

The indicator points to the selected working width. The possibility of modifying the furrow width allows to adapt the plough to the terrain conditions and the tractor's power.

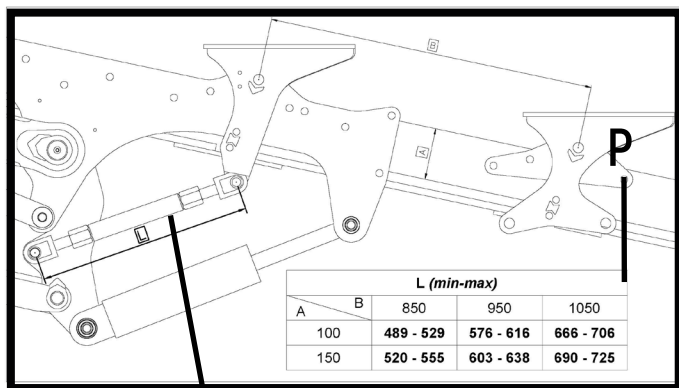


Fig. 13

T

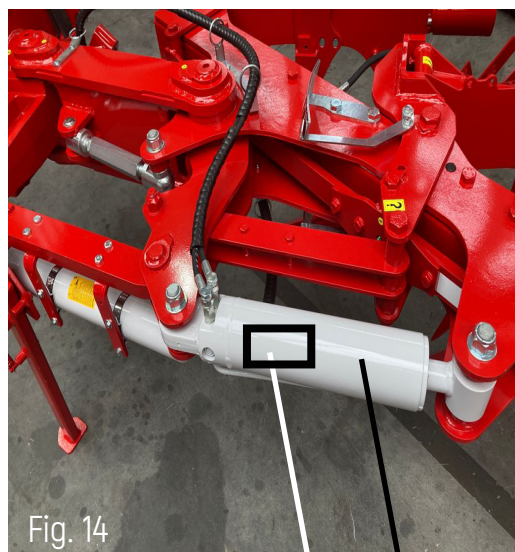


Fig. 14

X

C



Fig. 15



5.3 - First furrow width

The first furrow width is adjusted acting over the tensor **T** that displays the headstock (Fig. 18) in a way that verifies the observations described in Fig. 17. If we stretch the Tensor we increase the width of the first body and viceversa.

The plough counts with regulation possibilities conceived for a width between wheels of 110 to 200 cm, being optimal 120-180 cm.

As a starter point, after regulating the perpendicularity of the ANCHOR according to the terrain acting over the turning tops **A** (Fig. 17) we'll settle a working width of 40-45 cm and then we'll place the point of the first body around 40 cm of the inside of the wheel as indicated on the right image in fig. 17.

After, adjustments are meant to be made according to the wheel's width, speed, and terrain.

We don't recommend wheels over 710mm in order to work in-furrow.

Optionally, the width adjustment of the first body can be done from the tractor's cabin with the hydraulic cylinder **H** (Fig. 16). If we stretch the cylinder we increase the width of the first body and viceversa.

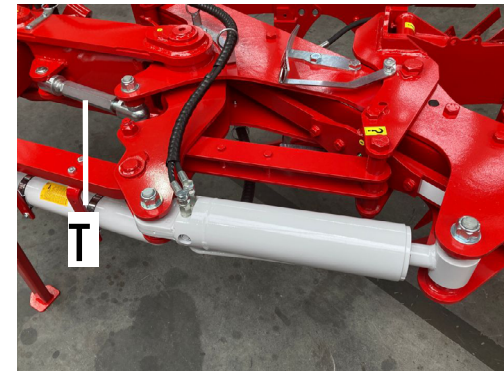
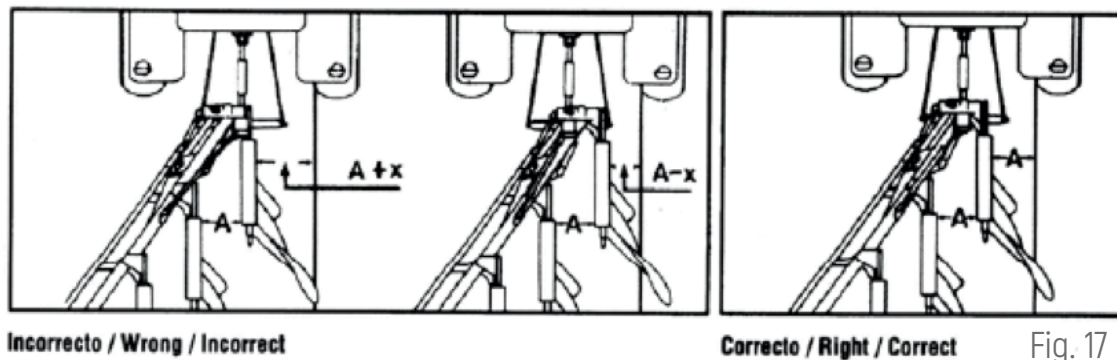


Fig. 18

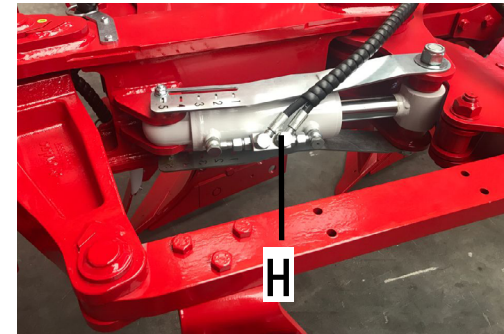


Fig. 16



The **XP-OL** has the possibility of working with the tractor inside and outside of the furrow by simply acting over the valve **V** as indicated on the sticker (Fig. 19) with the valve closed we would be inside-the-furrow position and open to the plough is placed in the out of furrow position .

IMPORTANT: In order to change position (inside-outside the furrow and viceversa) you have to make a complete turning sequence, so that the 1st body is placed in the right working position.

To go from one position to the other, after acting over the valve we must compensate the plough's steep change by acting over the turning tops (fig. 17 de la pág. 16) to position the bodies perpendicular to the floor (as a reference between 6-8 turns over the furrow's depth, tractor's width...)

The **XP-OL** sandardly incorporate the 1st body hydraulic adjustment, on which we can act working both inside and outside of the furrow.

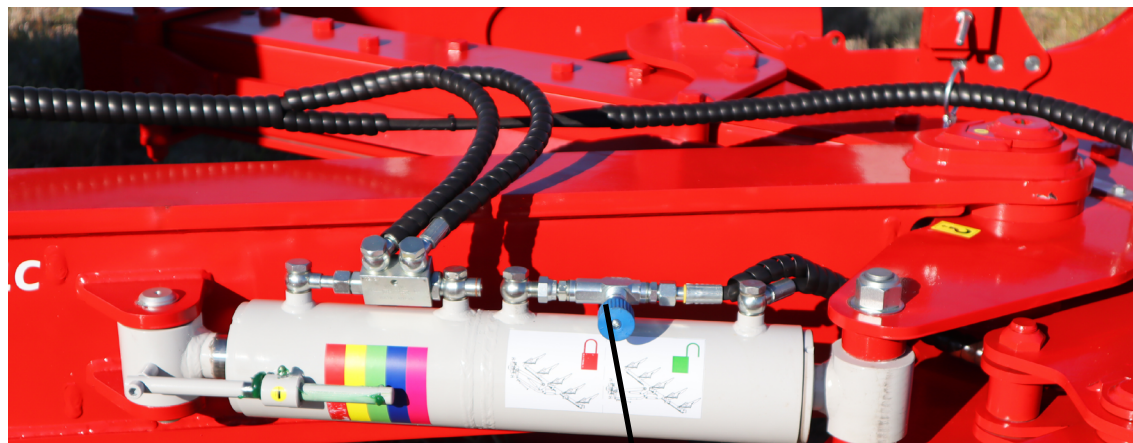


Fig. 19

V



5.4 - Perpendicularity of the working plough

For the same reason, you must check (while laboring) that the anchors adopt a perpendicular position to the ground (Fig. 20). For that, we need the tines of the tractor to be at the same height AND ACT OVER THE TURNING TOPS (A) FOUND AT BOTH SIDES OF THE HEADSTOCK (Fig. 21).

IMPORTANT: Must try not to drive over curves while laboring, specially with long ploughs, since the pulling strength may cause damage on both the tractor and plough structure.

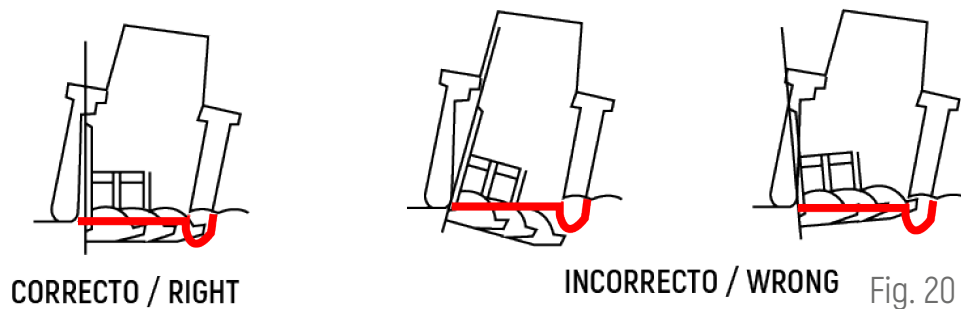


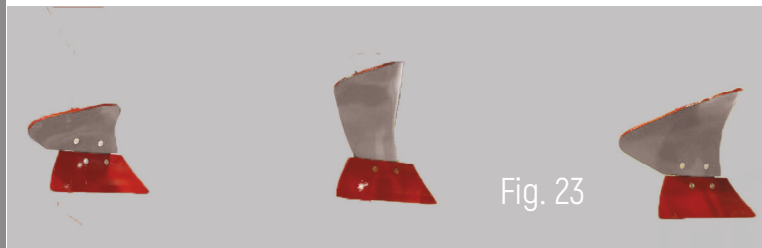
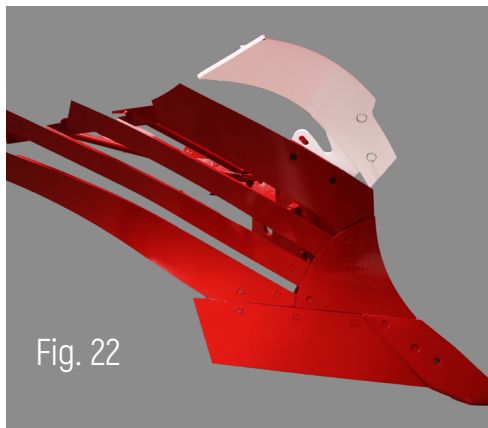
Fig. 21



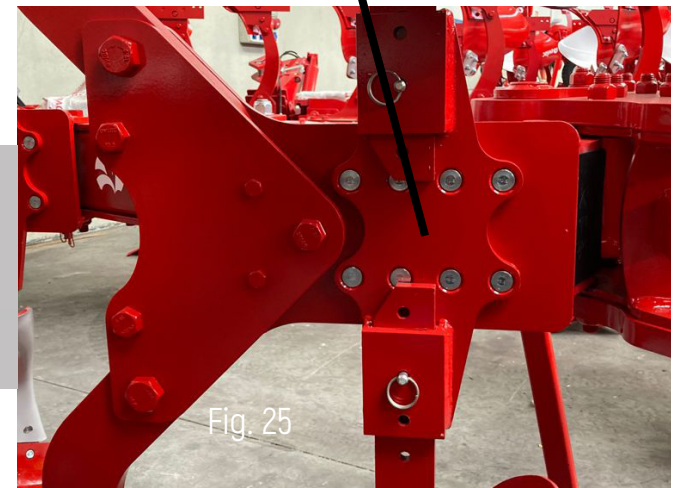
6.- Wastes burial

For an optimal burial of harvesting leftovers and weeds we can equip the plough with trashboards (Fig. 22) or the bodies (Fig. 23). The trashboards can be regulated according to the working depth, scrolling it over the holder's slider. The skimmers must adapt to the working depth acting over the bolts that supports them. As a reference, the skimmer' share must penetrate 10-12 cm when working.

At the same time, to adapt the skimmer to the different textures of the land and working speeds, we can put set them in 2 positions (rear or advanced) by turning 180 degrees the holder **S** (Fig. 24 y 25)



S



7.- Transport and parking

In order to ease the transport, the plough must be retracted to its minimum width, acting over the cut control system. Ploughs with great lengths (5 and 6 bodies) can be optionally given with polyvalent wheels of control/transport.

To transport the plough over the control/transport wheel, place the hole **C** in the position **B** of the bolt(Fig. 27). Pull the puller **A** of the blocking headstock (Fig. 26) so when the plough turns over it remains blocked in mid-turning position and block the oscillating shaft with D bolts **D** (Fig. 27). Place the plough's wheel and unplug the tine on the third point of the headstock.

The support pawn (Fig.28), assures an static position of the plough on the parking.

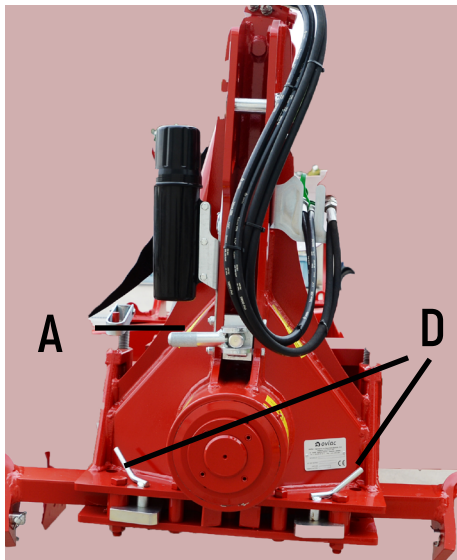


Fig. 26



Fig. 27



Fig. 28



8.- Maintenance

Must check how tighten the bolts are after the first 2 hours of labor, specially the ones on the bodies and shares. Afterwards, check every 100 hours of labor. When finishing the campaign, wash the plough and grease the bodies to avoid rust.

Lubing: must grease regularly the turning points based on the ambiental conditions, both dust and humidity, to assure that no waste of the machine happens. In the reversible ploughs its recommended to grease, if the greasers allow it, once per each hand (clockwise and counter-wise), assuring that the grease, affected by gravity, it extends for the whole turn and not just from the greasing point to below.

Safe maintenance

Get familiar with the maintenance procedures before doing any labor. The working area must be clean and dry. Not doing any greasing labor, repair or adjustment while the engine is running. Keep the hands, feet, and clothes always far from the moving components. Place all the hydraulic controls on neutral-gear in order to relieve pressure. Lower all gear to the ground.

All the components must be in good shape and correctly installed. Repair damage immediately. Change any wasted or broken piece. Keep all the components of the machine clean off of grease, oil and accumulated dirt.

By dealing with trailed equipment, disconnecting the group of cables from the tractor before doing any welding on the machine.

Watch out for the high pressure leaks

Leaking fluids from the system might leak strong enough to tear flesh, causing severe injuries. Therefore, is indispensable to leave the system pressure-less before loosing or disconnecting any pipe and assure that all the connections and connectors are well-tighten before applying pressure to the system. In order to locate an hydraulic oil leak use a piece of cardboard placed in between the connections. Don't get near high-pressure leakings. Even if after all this measures an accident happens, go immediately to see a doctor, who should remove the fluid surgically in a few hours in order to avoid gangrene. Unexperienced doctors with injuries of such nature may go to a specialized medical center.

Maintenance of hydraulic cylinders. **IMPORTANT:** keep the plugs clean. Abrasive particles, such as sand, metal sharps, may damage the cylinders, causing inner leaks. Once unplugged off the tractor, place the protection bolts and make sure they're not touching the ground.



9.- Optional gear

XP ploughs of **Ovlac** can be equipped with:

1. Trashboard (Fig. 29)
2. Landslide extension (Fig. 30)
3. Transport wheel (Fig. 31)
4. Discs (Fig. 32)
5. Advanced wheel (Fig. 33)
6. 1st body hydraulic width (Fig. 34)
7. Advanced Transport wheel (Fig. 35)
8. Skimmers (Fig. 36)

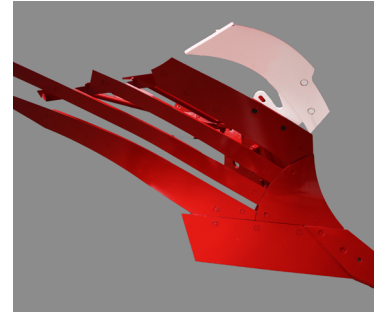


Fig. 29



Fig. 34



Fig. 31



Fig. 33



Fig. 35

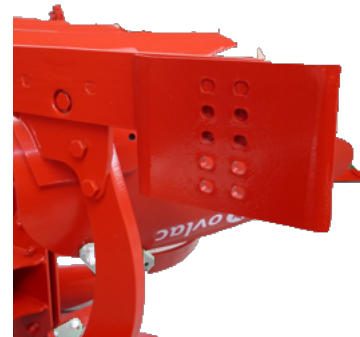


Fig. 30

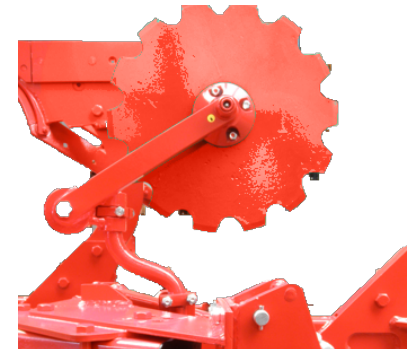


Fig. 32

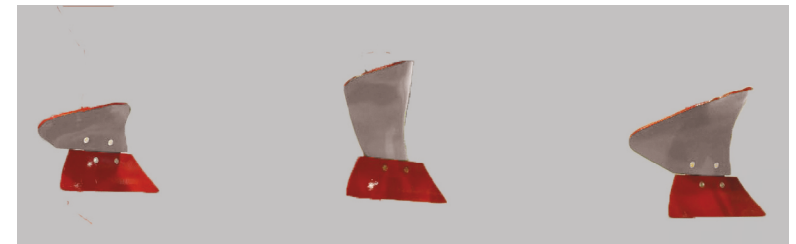


Fig. 36



10.- Spare parts

Spare parts orders must always be placed through dealers and will include the next indications:

- Type, model and plough's number of manufacturing. This data is indicated on the identification plate of the plough.
- Reference of the piece. Indicated on the spareparts catalogue.
- Name of the piece and quantity required.
- Method of shipping. Transport expenses run of the purchaser.
- **NOTE:** The terms left or right, indicated on the name, are meant to be understood always facing the plough from its rear view. When it comes to supposed-to-break gear, rights are considered ll those that are part of the body that drifts to the righth and viceversa.
- **Note on warranty:** must be clearly specified if the spare parts order are ordered under warranty time. The manufacturer will be the one to decide if the order stands to warranty or not when replacing the pieces. Plus, warranty loses all its value if:
 - Repairs Unauthorized by the manufacturer are made, unoriginal spare parts and bolts are inadequate.
 - User goes through the power limit stated on the technical data sheet, or abnormal maneuvers are made.



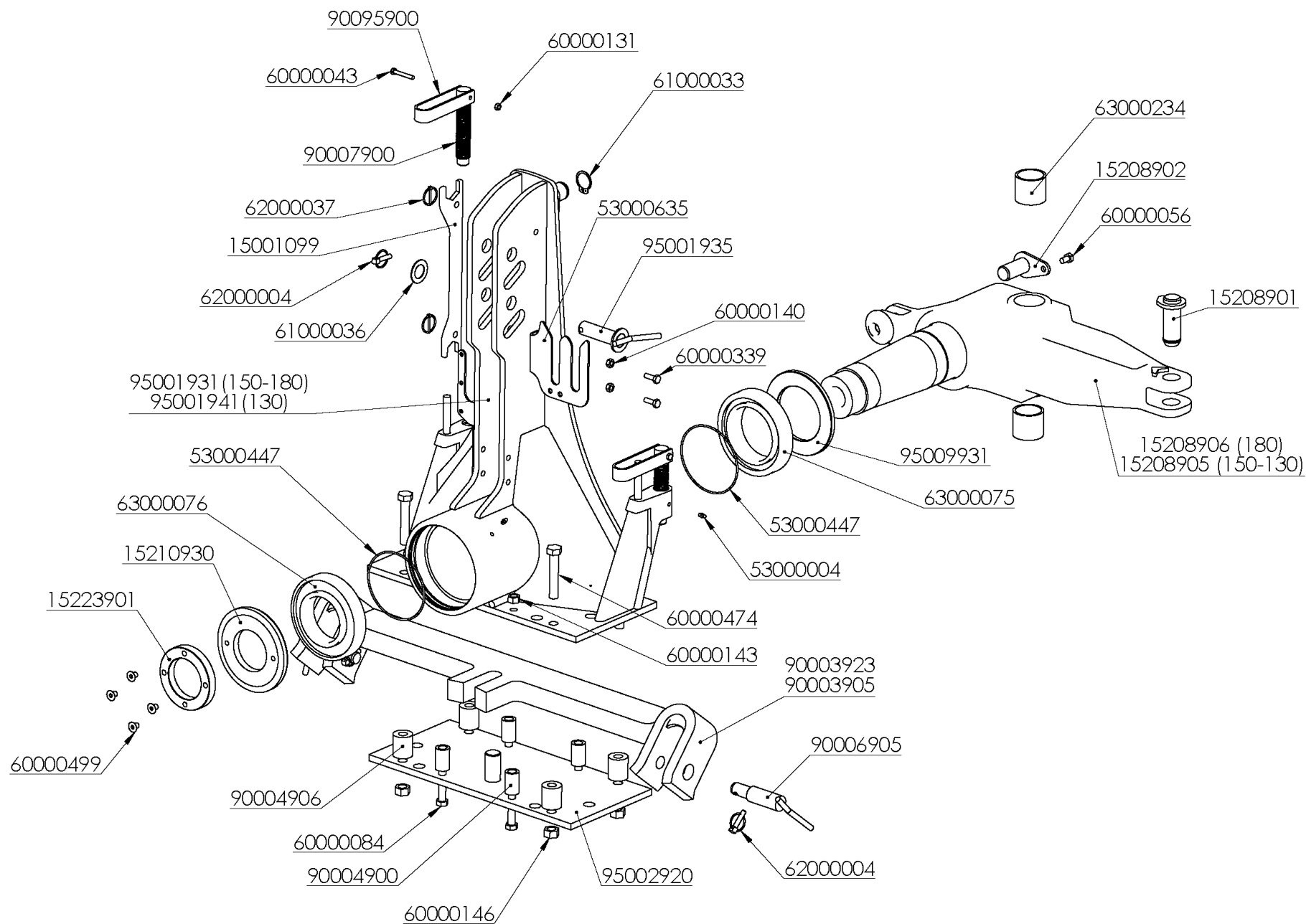
Index

HEADSTOCK ASSEMBLY.....	25
HYDRAULIC TURNOVER SYSTEM.....	27
HYDRAULIC MEMORY SYSTEM.....	29
FRAME ASSEMBLY 150-180.....	31
NEW 130 SERIES FRAME ASSEMBLY	33
FRAMES.....	35
ASSEMBLY SET "V"	37
ASSEMBLY SET "L"	39
MODULE.....	41
PARALLELOGRAM ASSEMBLY.....	43
PARALLELOGRAM XP-OL ASSEMBLY	45
FINISHED SET	47
HYDROPNEUMATIC SYSTEM.....	49
ACCUMULATOR	51
CHARGING HOSE	53
HYDRAULIC SHIFT SUPPLEMENT	55
HYDRAULIC SHIFTING SYSTEM	57
HEADSTOCK LOCK.....	61
SHEARBOLT BODY.....	63
ARM.....	65
ARM "XL"	67
BODIES V-97 V-34 V-90 V-74	69
BODIE V-40	71
SLATTED BODY "LOV"	73

TRASHBOARDS.....	75
SHEARBOLT SKIMMERS.....	77
NON-STOP SKIMMERS	79
DISCS 20' XPH.....	81
DISCS 20' NON-STOP XPH.....	83
DISCS 20' XPF	85
DISCS NON-STOP 20' XPF	87
CONTROL WHEEL	89
ADVANCED WHEEL ASSEMBLY	91
ADVANCED CONTROL WHEEL.....	93
WHEEL "CT" TRANSPORT & CONTROL.....	95
ADVANCED WHEEL	97
HYDRAULIC REAR CONTROL WHEEL	99
HYDRAULIC SYSTEM REAR CONTROL HYDRAULIC WHEEL.....	101



HEADSTOCK ASSEMBLY

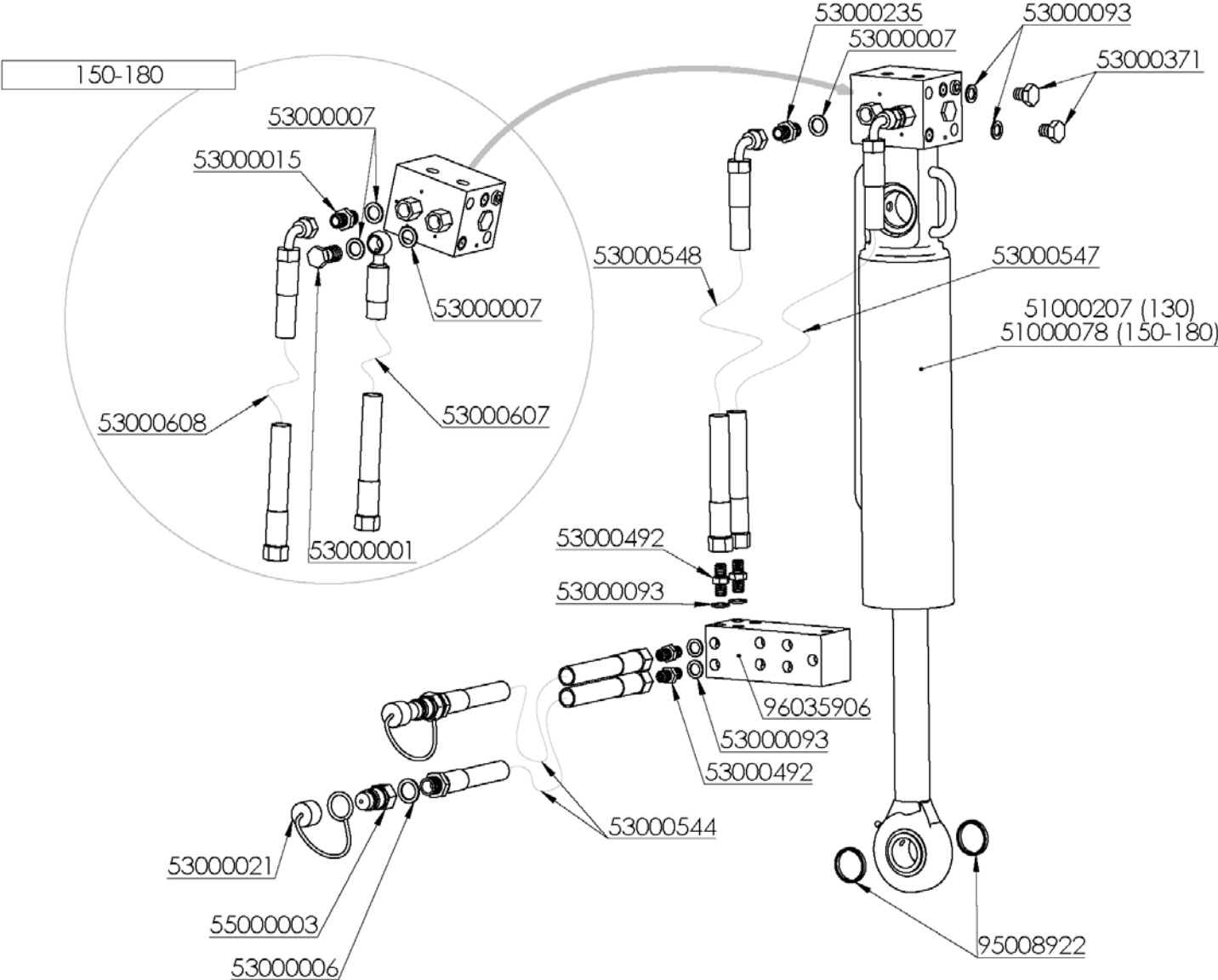


HEADSTOCK ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001099	LLAVE 38-46	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
15208901	BULON ANTERIOR PARALELO	61000033	ANILLO ELASTICO DIN-471 40
15208902	BULON VOLTEO 150	61000036	ARAND.ESTANDAR-A 32 ZINC.
15208905	EJE CABEZAL 150 (D/16)	62000004	PASADOR ANILLA 10 ZINC.
15208906	EJE CABEZAL 180 (D/16)	62000037	PASADOR ANILLA 4,5 ZINC.
15210930	TUERCA EJE CABEZAL 150 (D/16)	63000075	RODAM.POST.32026 F (C-150)
15223901	CONTRATUERCA EJE CABEZAL 150 (D/16)	63000076	RODAM.ANTER.30222 F (C-150)
53000004	ENGRASADOR AC° DIN-71412 8*125	63000234	CASQ. 70*60*60
53000447	JUNTA TORICA 200-3 NBR	90003905	BALANC.50mm.PENTAS.CAT-II/III
53000635	SOPORTE LATIG.TORRETA 2 HUECOS XP ZINC.	90003923	BALANC.50mm.PENTAS.CAT.III
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	90004900	SEP.B.P.32/20* 52mm.
60000056	TORN.EXAG.DIN-933 12* 20 12.9	90004906	CASQ.D= 45/20,5*52mm.SEP.BALANC.PENTAS.
60000084	TORN.EXAG.DIN-931 16*100 8.8	90006905	BULON D=36/28*140mm.BALANC.CAT.III ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	90007900	HUSILLO TOPE 185mm.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	90095900	MANILLA TOPE ZINC.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	95001931	CABEZAL 150 (D/04)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	95001935	BULON D=31,2*115mm.3er.PTO.PENT.CAT.III (D/02)
60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.	95001941	CABEZAL 150-L
60000474	TORN.EXAG.DIN-931 20*110 12.9	95002920	PLACA PORTABALANC.50mm.PENTAS.(D/02)
60000499	TORN.ALLEN DIN-913 12* 20 14.9	95009931	ARAND.POST.150



HYDRAULIC TURNOVER SYSTEM

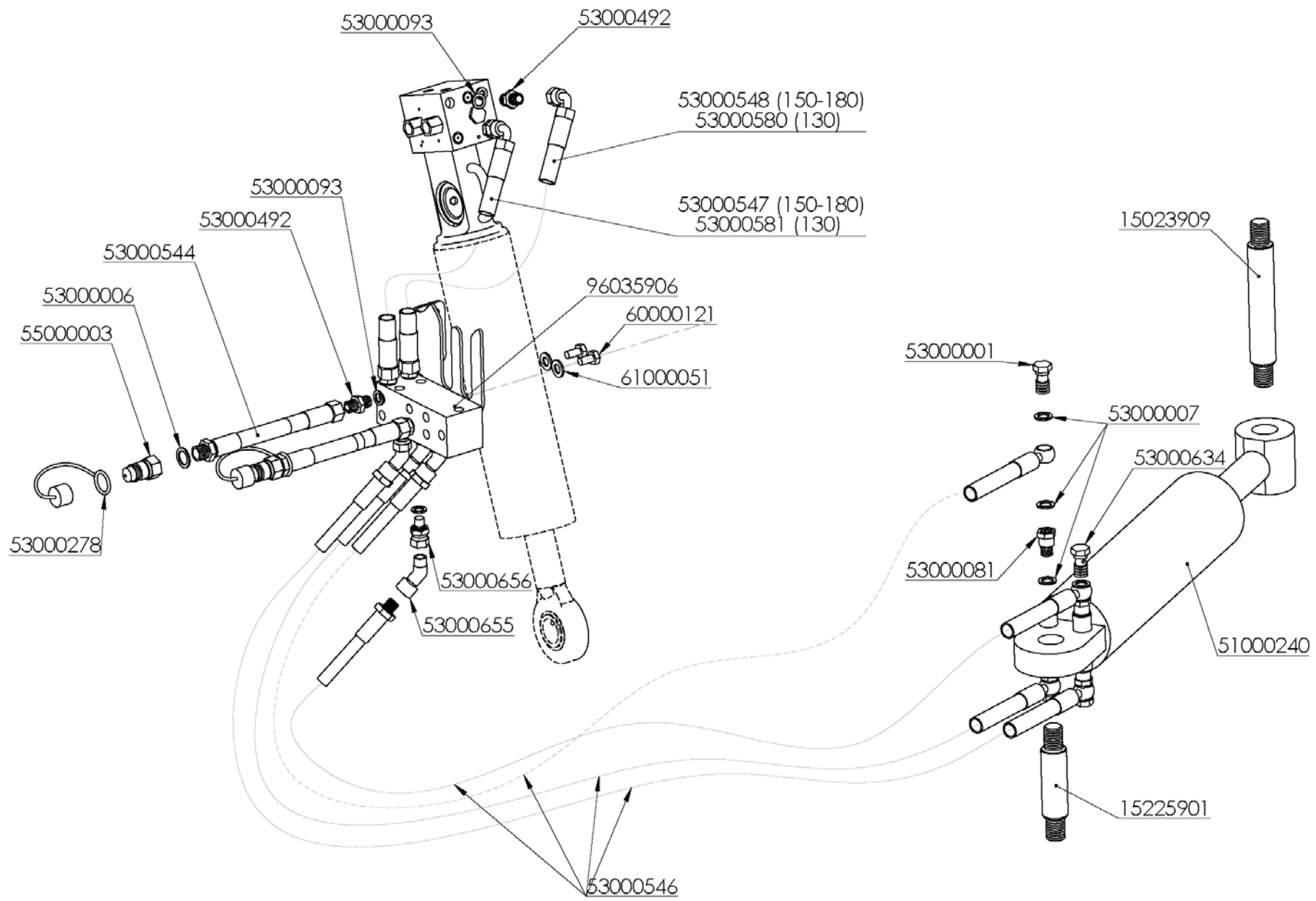


HYDRAULIC TURNOVER SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000078	CILIND.VOLTEO 40/90/300 + VALV.SECUENCIAL	53000492	UNION MACHO 1/4
51000207	CILIND.VOLTEO 40/70/247 + VALV.SEC.	53000543	LATIG.PREMIER-1/4*1500mm.MF-1/2/CTL-45°-3/8
53000001	TORNILLO SIMPLE 3/8 4022	53000544	LATIG.PREMIER-1/4*1200mm.MF-1/2/TL-1/4
53000006	JUNTA METAL/GOMA 1/2" 11603	53000547	LATIG.PREMIER-1/4*500mm.CTL-1/4/TL-1/4
53000007	JUNTA METAL/GOMA 3/8" 11602	53000548	LATIG.PREMIER-1/4*530mm.CTL-1/4/TL-1/4
53000015	UNION MACHO 3/8 4062	53000607	LATIG.PREMIER-1/4*630mm.OR-3/8/TL-1/4
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR	53000608	LATIG.PREMIER-1/4*640mm.CTL-3/8/TL-1/4
53000093	JUNTA METAL GOMA 1/4 11601	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000235	UNION REDUCCION 1/4-3/8 4071	95008922	CASQ.D= 40/35*5,5mm.SEP.VOLTEO 150
53000371	TAPON MACHO 1/4 S830-13	96035906	SOP.TOMAS HIDRAULICAS XPH ZINCADO (D/18)
53000451	CODO 45° C/TCA.LOCA 3/8 S952-17		



HYDRAULIC MEMORY SYSTEM

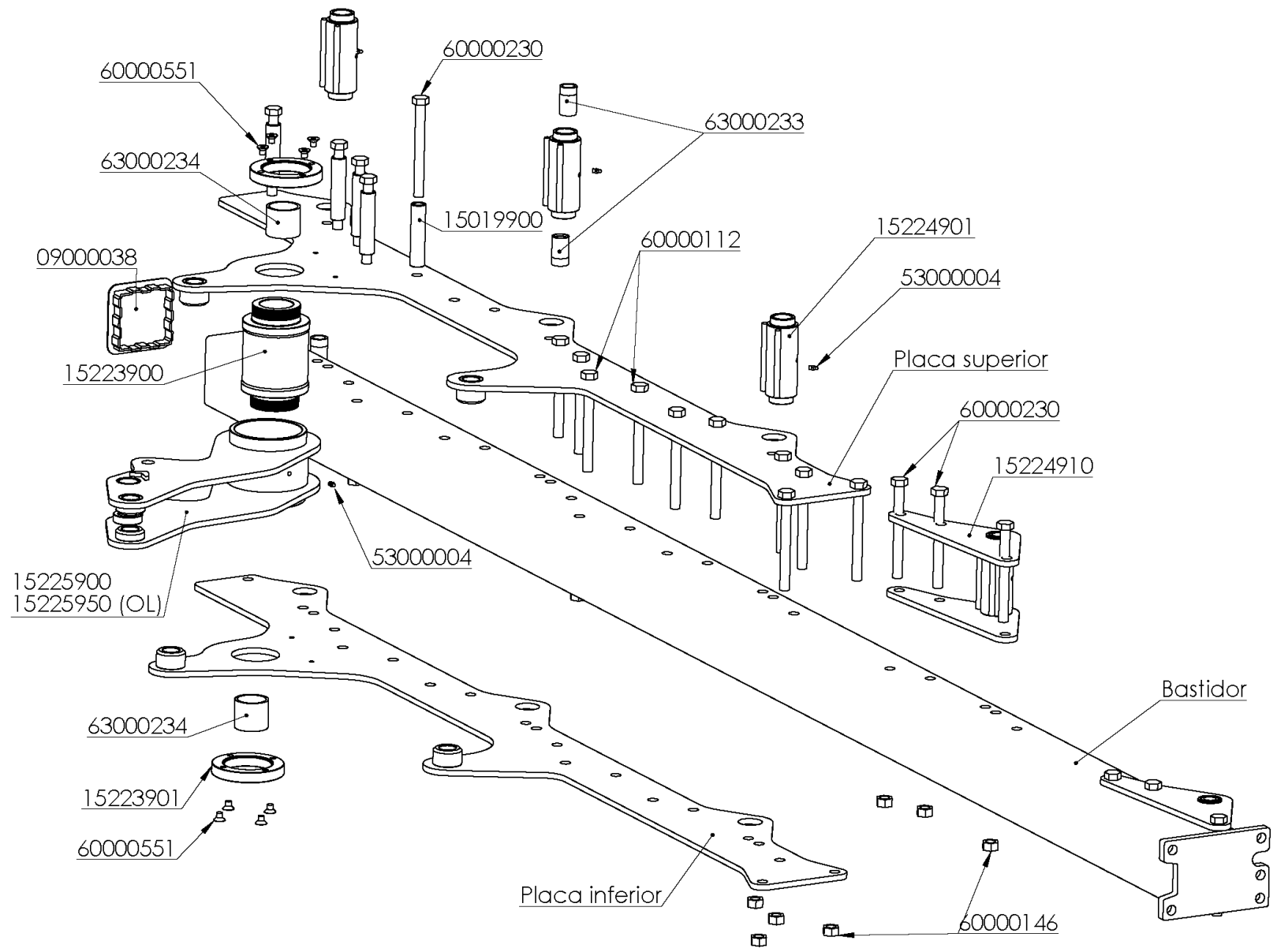


HYDRAULIC MEMORY SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + GEOMET	53000548	LATIG.PREMIER-1/4*530mm.CTL-1/4/TL-1/4
15225901	BULON D=34,8*165mm.ROSC.TENSOR + GEOMET	53000580	LATIG.PREMIER-1/4*390mm.CTL-1/4/TL-1/4
51000240	CILIND.APERT./MEMª. 45/100/200 VALV.BLOQ.	53000581	LATIG.PREMIER-1/4*420mm.CTL-1/4/TL-1/4
53000001	TORNILLO SIMPLE 3/8 4022	53000600	OVALILLO C/JUNTA INT+EXT 12L LEK-ES4-12
53000006	JUNTA METAL/GOMA 1/2" 11603	53000620	TORNILLO DOBLE 1/4" 4031
53000007	JUNTA METAL/GOMA 3/8" 11602	53000634	TORNILLO SIMPLE 3/8" REDUCTOR TAL.UNICO DE 1MM 4022T-1 APERTURA
53000081	SUPLEMENTO 3/8" 4092	53000655	CODO 45° M+TL 1/4 GAS LEK-S952-13
53000093	JUNTA METAL GOMA 1/4" 11601	53000656	UNION M/TL 1/4 GAS VG-S-940-13
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000492	UNION MACHO 1/4	60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.
53000544	LATIG.PREMIER-1/4*1200mm.MF-1/2/TL-1/4	61000051	ARAND.DIN-125 10 ZINC.
53000546	LATIG.PREMIER-1/4*2750mm.MF-1/4/OR-3/8	96035906	SOP.TOMAS HIDRAULICAS XPH ZINCADO (D/18)
53000547	LATIG.PREMIER-1/4*500mm.CTL-1/4/TL-1/4		



FRAME ASSEMBLY 150-180

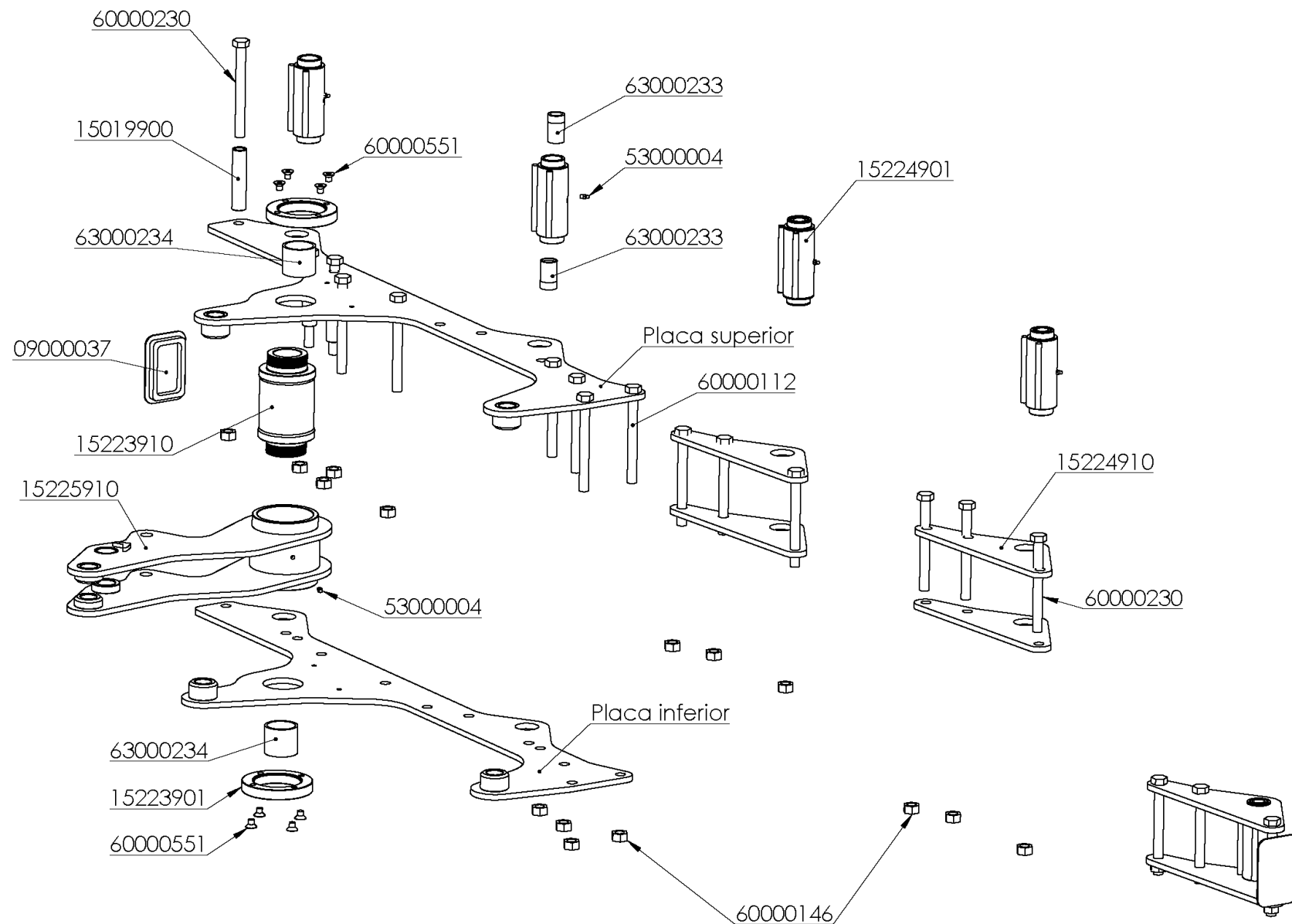


FRAME ASSEMBLY 150-180

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000038	TAPON GOMA 150*150*08mm.	53000004	ENGRASADOR ACØ DIN-71412 8*125
15019900	CASQ.D= 30/20,5*133mm.BASTIDOR	60000112	TORN.EXAG.DIN-931 20*200 8.8
15223900	CASQ.GIRO BAST.XP-150	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
15223901	CONTRATUERCA EJE CABEZAL 150 (D/16)	60000230	TORN.EXAG.C/LAR. 20*200 12.9
15224901	CASQ.D= 65/49,9/38*183mm.C/VAR.PORTAC.XP	60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO
15224910	SOP.GIRO PORTACAMBAS XPF	63000233	CASQ.FRICCION 38x30x40
15225900	BIELA CENTRAL 150/180 XP	63000234	CASQ.FRICCION 70x60x60
15225950	BIELA CENTRAL 150/180 XP-OL		



NEW 130 SERIES FRAME ASSEMBLY



NEW 130 SERIES FRAME ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000037	TAPON GOMA 150*100*08mm.	53000004	ENGRASADOR ACØ DIN-71412 8*125
15019900	CASQ.D= 30/20,5*133mm.BASTIDOR	60000112	TORN.EXAG.DIN-931 20*200 8.8
15223901	CONTRATUERCA EJE CABEZAL 150 (D/16)	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
15223910	CASQ.GIRO BAST.XP-120	60000230	TORN.EXAG.C/LAR. 20*200 12.9
15224901	CASQ.D= 65/49,9/38*183mm.C/VAR.PORTAC.XP	60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO
15224910	SOP.GIRO PORTACAMBAS XPF	63000233	CASQ.FRICCION 38x30x40
15225910	BIELA CENTRAL 120/130 XP	63000234	CASQ.FRICCION 70x60x60



BASTIDOR			
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15219903	BAST.XPV-3-95-AMP (100)	15219994	BAST.XPV-4-95-AMP (100)
15219905	BAST.XPV-5-95	15219995	BAST.XPV-5-95 (100-NO AMP.)
15219906	BAST.XPV-6-95	16219903	BAST.XPHV-3-95-AMP (100)
15219925	BAST.XPV-5-105	16219905	BAST.XPH-5-95
15219926	BAST.XPV-6-105	16219906	BAST.XPHV-6-95
15219944	BAST.XPV-4-105-AMP (100)	16219953	BAST.XPHV-3-95-AMP (150)
15219953	BAST.XPV-3-95-AMP (150)	16219954	BAST.XPHV-4-95-AMP
15219954	BAST.XPV-4-95-AMP	16219955	BAST.XPH-5-95-AMP
15219955	BAST.XPV-5-95-AMP	16219965	BAST.XPH-5-85-AMP
15219965	BAST.XPV-5-85-AMP	16219972	BAST.XPH-3-105-AMP (150)
15219972	BAST.XPV-3-105-AMP (150)	16219973	BAST.XPH-4-105 (150-NO AMP.)
15219973	BAST.XPV-4-105 (150-NO AMP.)	16219974	BAST.XPH-4-105-AMP
15219974	BAST.XPV-4-105-AMP	16219994	BAST.XPHV-4-95-AMP (100)
15219975	BAST.XPV-5-105-AMP	16219995	BAST.XPH-5-95 (100-NO AMP.)
15219985	BAST.XPV-5-85 (100-NO AMP.)		



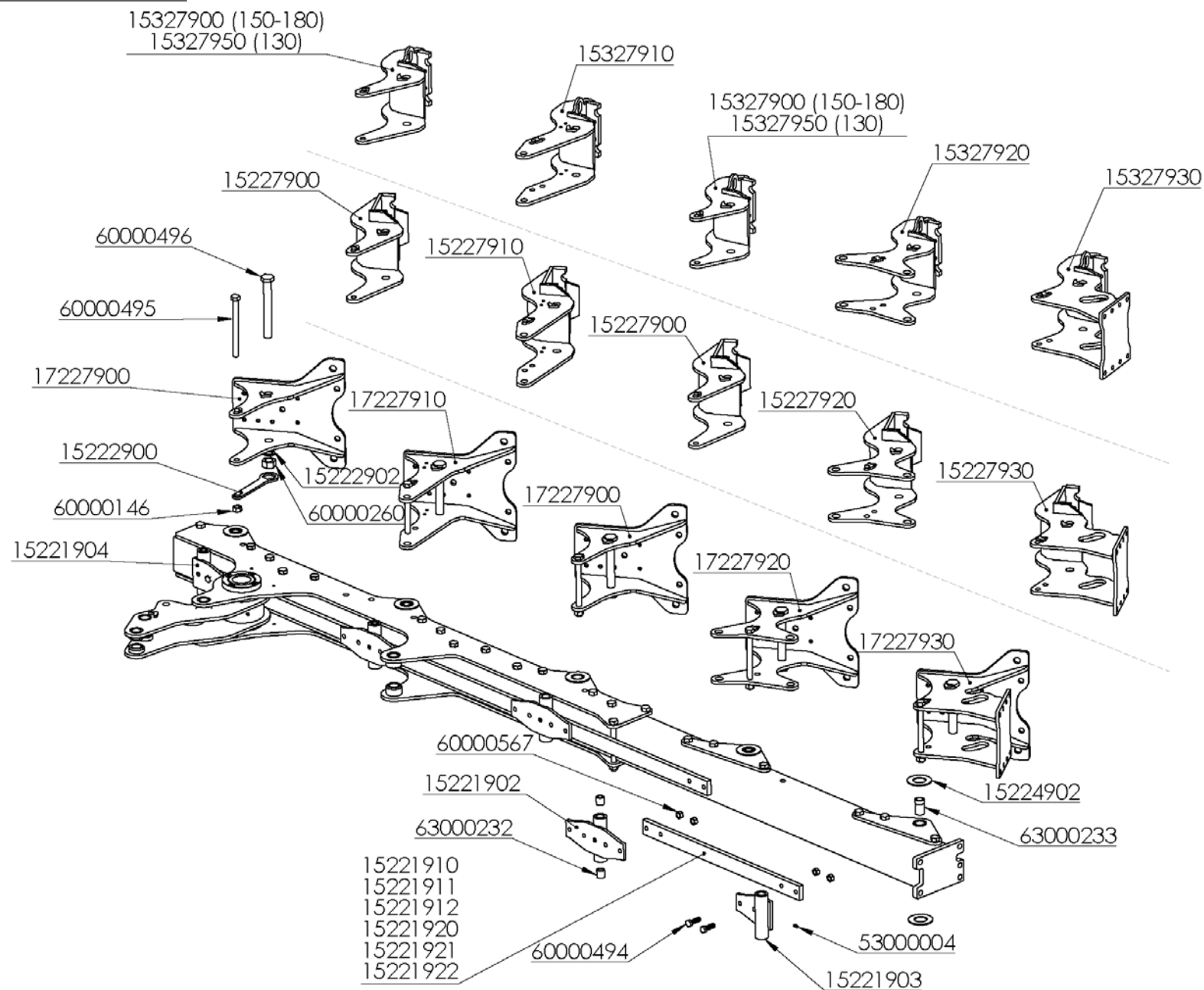
FRAMES

PLACA INFERIOR	
REFERENCIA	DESCRIPCION
15223955	PLACA INF.SOP.GIRO BAST.XP-5-95
15223956	PLACA INF.SOP.GIRO BAST.XP-6-95
15223975	PLACA INF.SOP.GIRO BAST.XP-5-105
15233954	PLACA INF.SOP.GIRO BAST.XP-4-95 (D/18)
15233955	PLACA INF.SOP.GIRO BAST.XPF-5-95 (D/18)
15233956	PLACA INF.SOP.GIRO BAST.XP-6-95 (D/18)
15233964	PLACA INF.SOP.GIRO BAST.XP-4-85 (D/18)
15233966	PLACA INF.SOP.GIRO BAST.XP-6-85 (D/18)
15233974	PLACA INF.SOP.GIRO BAST.XP-4-105 (D/18)
15233975	PLACA INF.SOP.GIRO BAST.XP-5-105 (D/18)
15233976	PLACA INF.SOP.GIRO BAST.XP-6-105 (D/18)
15234966	PLACA INF.SOP.GIRO BAST.XP-6-95-OL

PLACA SUPERIOR	
REFERENCIA	DESCRIPCION
15223905	PLACA SUP.SOP.GIRO BAST.XP-5-95
15223906	PLACA SUP.SOP.GIRO BAST.XP-6-95
15223925	PLACA SUP.SOP.GIRO BAST.XP-5-105
15233904	PLACA SUP.SOP.GIRO BAST.XP-4-95 (D/18)
15233905	PLACA SUP.SOP.GIRO BAST.XPF-5-95 (D/18)
15233906	PLACA SUP.SOP.GIRO BAST.XP-6-95 (D/18)
15233914	PLACA SUP.SOP.GIRO BAST.XP-4-85 (D/18)
15233916	PLACA SUP.SOP.GIRO BAST.XP-6-85 (D/18)
15233924	PLACA SUP.SOP.GIRO BAST.XP-4-105 (D/18)
15233925	PLACA SUP.SOP.GIRO BAST.XP-5-105 (D/18)
15233926	PLACA SUP.SOP.GIRO BAST.XP-6-105 (D/18)
15234916	PLACA SUP.SOP.GIRO BAST.XP-6-95-OL



ASSEMBLY SET "V"

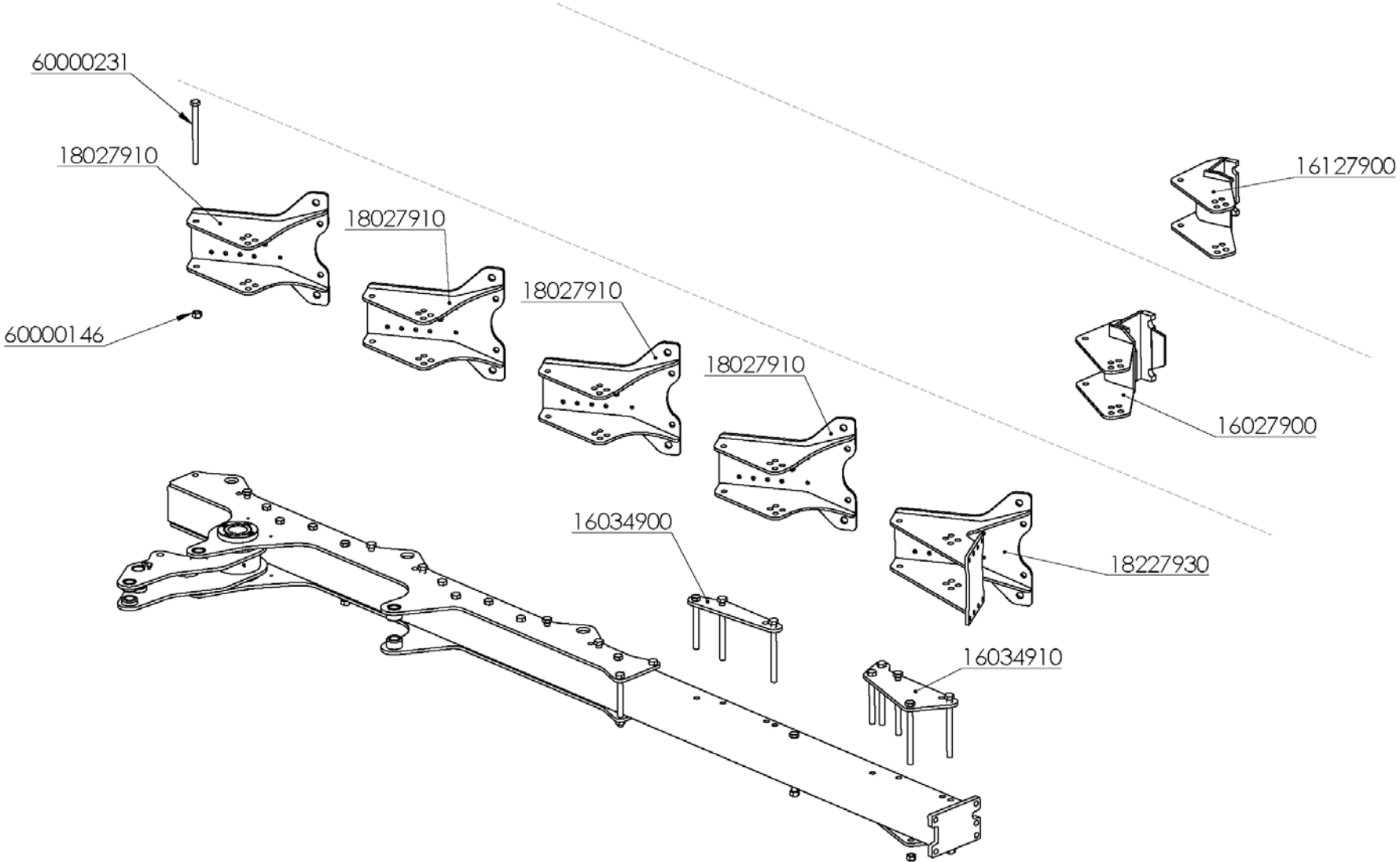


ASSEMBLY SET "V"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15221902	NUDO BIELA DOBLE	15327910	SOP.ARTIC.MARCADOR XPH-XL
15221903	NUDO BIELA SIMPLE	15327920	SOP.ARTIC.RDA.AVZD.XPH-XL
15221904	NUDO BIELA SIMPLE PRIMER CUERPO	15327930	SOP.ARTIC.RDA.XPH-XL
15221910	LLANTA BIELA 95 XP	15327950	SOP.ARTIC.CAMBA XPH-100-XL
15221911	LLANTA BIELA 85 XP	17227900	SOP.ARTIC.CAMBA XPF-150
15221912	LLANTA BIELA 105 XP	17227910	SOP.ARTIC.MARCADOR XPF
15221920	LLANTA BIELA 95 RFZADA.	17227920	SOP.ARTIC.RDA.AVZD.XPF
15221921	LLANTA BIELA 85 RFZADA.	17227930	SOP.ARTIC.RDA.XPF
15221922	LLANTA BIELA 105 RFZADA.	53000004	ENGRASADOR ACØ DIN-71412 8*125
15222900	FRENO TORNILLO 150	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
15222902	ARAND.CALZO 30	60000260	TUER.EXAG.DIN-934 30/200 8.8
15224902	ARAND.D=95/50*4mm.CEM.PORTAC. XP	60000494	TORN.EXAG.C/LAR. 16* 50 10.9 ZINC.
15227900	SOP.ARTIC.CAMBA XPH-150	60000495	TORN.EXAG.C/LAR. 20*240 10.9
15227910	SOP.ARTIC.MARCADOR XPH	60000496	TORN.EXAG.C/LAR. 30*240 12.9
15227920	SOP.ARTIC.RDA.AVZD.XPH	60000567	TUER.AUTO.DIN-980 16 10.9 ZINC. C/SOBREGOLPE
15227930	SOP.ARTIC.RDA.XPH	63000232	CASQ.FRICCION 30x20x30
15327900	SOP.ARTIC.CAMBA XPH-150-XL	63000233	CASQ.FRICCION 38x30x40



ASSEMBLY SET "L"

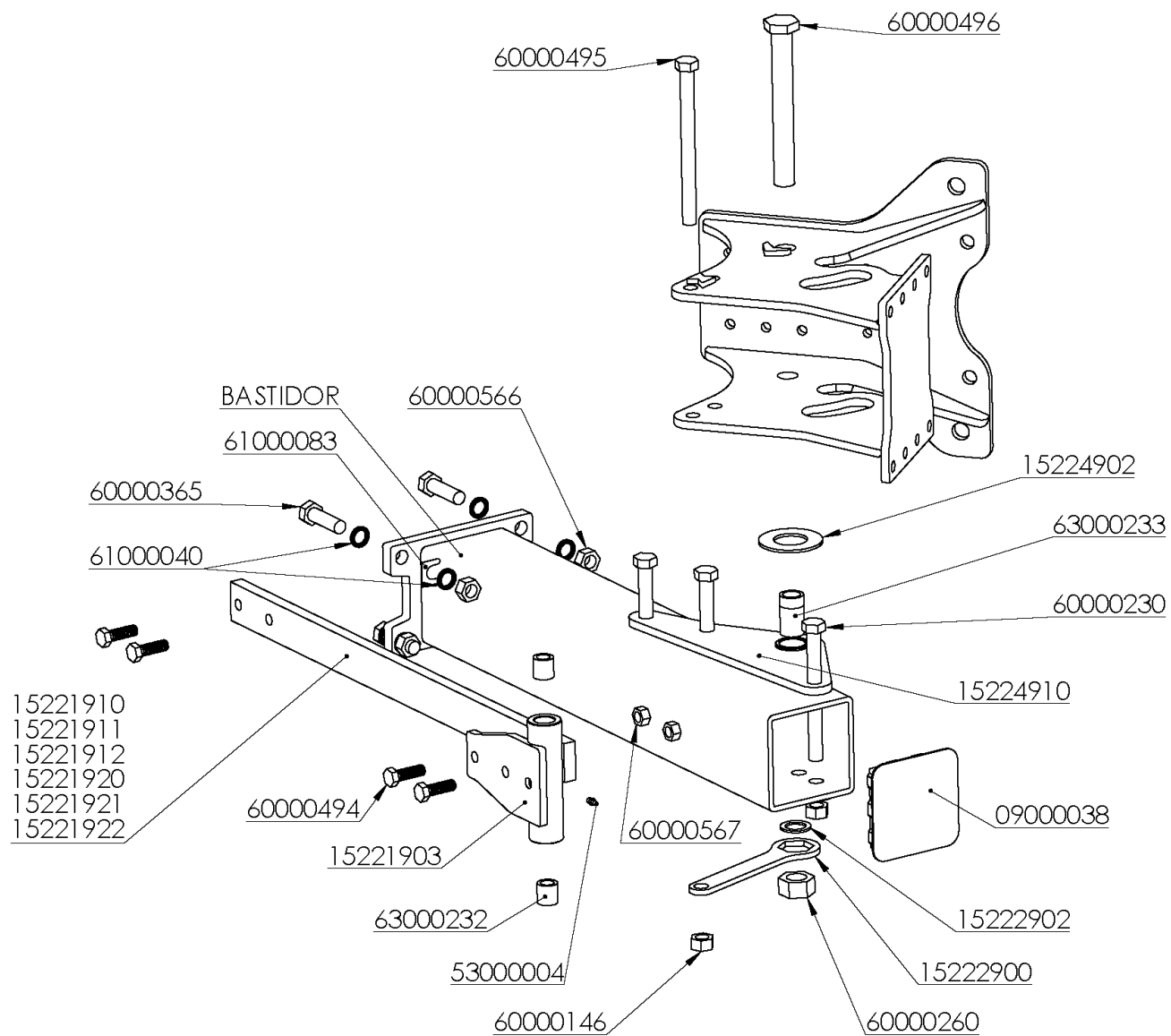


ASSEMBLY SET "L"

REFERENCIA	DESCRIPCIÓN
16027900	SOP.ARTIC.CAMBA LBN
16034900	PLACA ASIENTO SOPORTES L
16034910	PLACA ASIENTO SOP.RDA C/T L
16127900	SOP.ART. CAMBA LBN-L
18027910	SOP.ARTIC.CAMBA LFN (D/14)
18227930	SOP.ARTIC.CAMBA/RDA.LFN XP
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000231	TORN.EXAG.C/LAR.20*225 12.9



MODULE

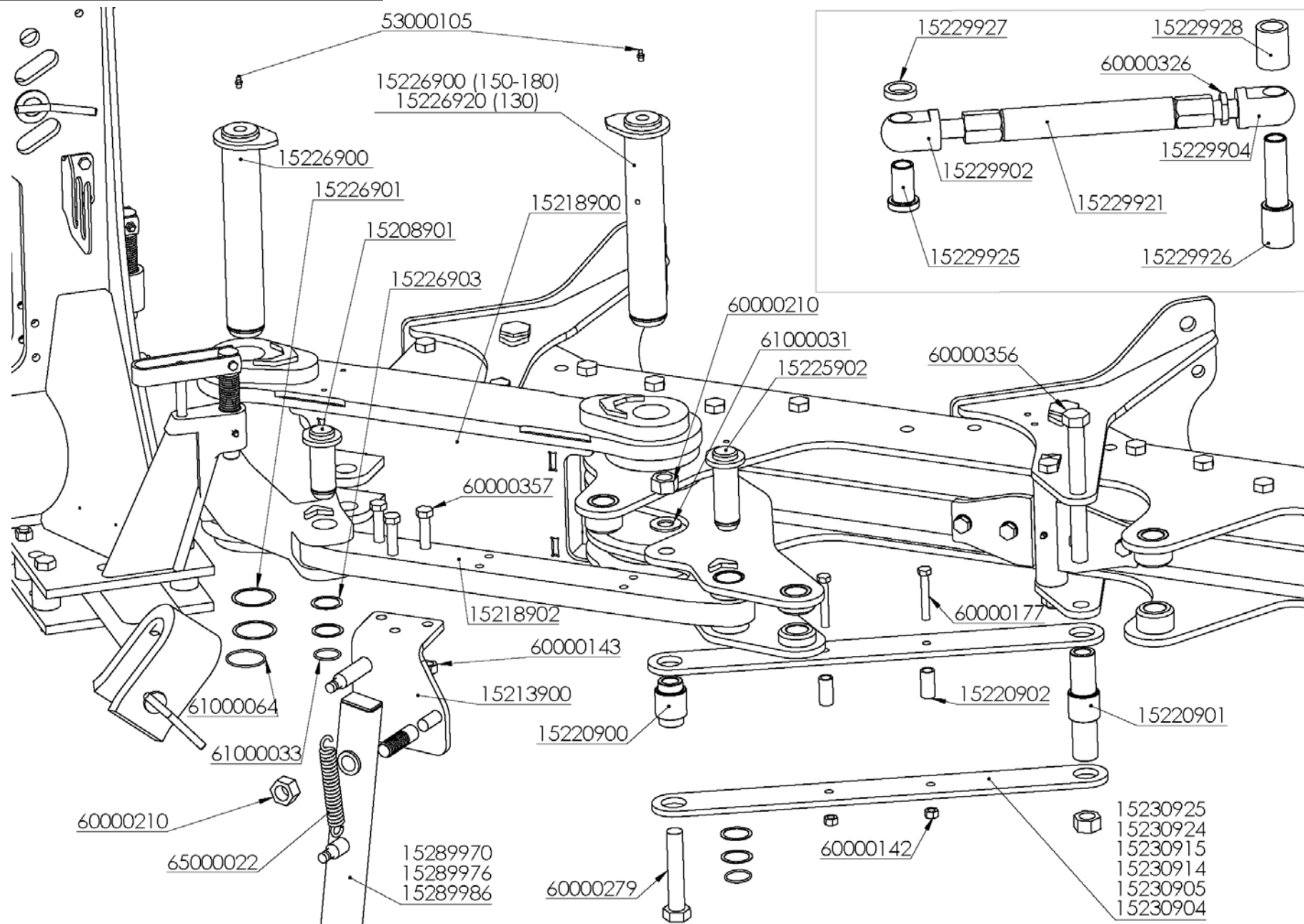


MODULE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000038	TAPON GOMA 150*150*08mm.	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
15221903	NUDO BIELA SIMPLE	60000230	TORN.EXAG.C/LAR. 20*200 12.9
15221910	LLANTA BIELA 95 XP	60000260	TUER.EXAG.DIN-934 30/200 8.8
15221911	LLANTA BIELA 85 XP	60000365	TORN.EXAG.DIN-931 20* 70 12.9
15221912	LLANTA BIELA 105 XP	60000494	TORN.EXAG.C/LAR. 16* 50 10.9 ZINC.
15221920	LLANTA BIELA 95 RFZADA.	60000495	TORN.EXAG.C/LAR. 20*240 10.9
15221921	LLANTA BIELA 85 RFZADA.	60000496	TORN.EXAG.C/LAR. 30*240 12.9
15221922	LLANTA BIELA 105 RFZADA.	60000566	TUER.EXAG.DIN-934 20 10.9
15222900	FRENO TORNILLO 150	60000567	TUER.AUTO.DIN-980 16 10.9 ZINC. C/SOBREGOLPE
15222902	ARAND.CALZO 30	61000040	PAR ARAND.NORD-LOCK M-20
15224902	ARAND.D=95/50*4mm.CEM.PORTAC. XP	61000083	ARAND.CALZO BASTIDOR MODULO XP
15224910	SOP.GIRO PORTACAMBAS XPF	63000232	CASQ.FRICCION 30x20x30
53000004	ENGRASADOR ACØ DIN-71412 8*125	63000233	CASQ.FRICCION 38x30x40



PARALLELOGRAM ASSEMBLY

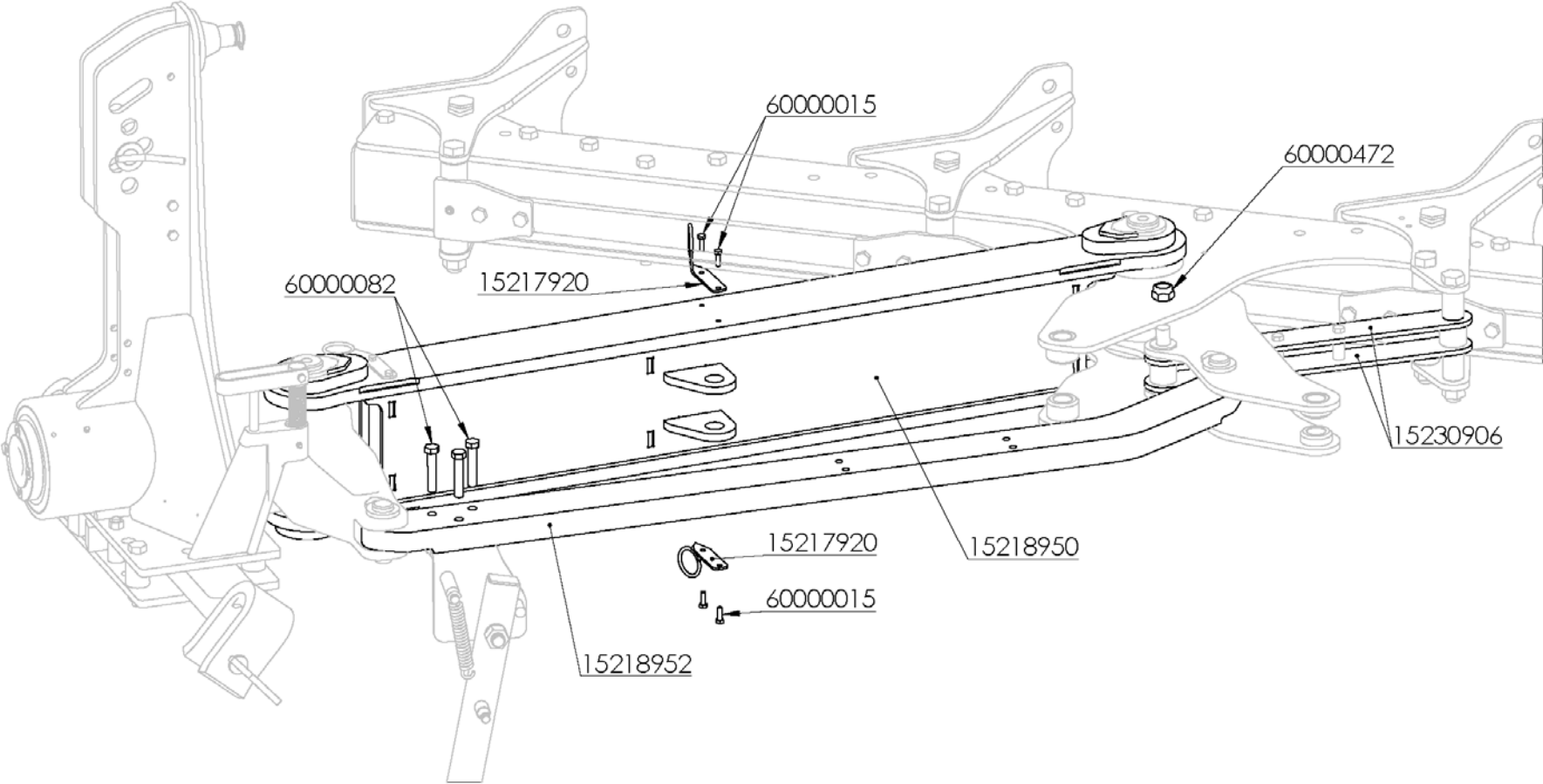


PARALLELOGRAM ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15208901	BULON ANTERIOR PARALELO	15230905	PLACA TIRO BIELA 150-95 (D/18) XP
15213900	SOP.PEON AF	15230914	PLACA TIRO BIELA 100-85 (D/18) XP
15218900	HORQUILLA ARADO 150/180	15230915	PLACA TIRO BIELA 150-85 (D/18) XP
15218902	BARRA PARALELOGRAMO AF	15230924	PLACA TIRO BIELA 100-105 (D/18) XP
15220900	CASQ.D=50/40/26*74mm. TIRO BIELA	15230925	PLACA TIRO BIELA 150-105 (D/18)
15220901	CASQ.D=50/40/26*184mm. TIRO BIELA	15289970	PEON REVERSIBLE D/70cm.AF
15220902	SEP.TUBO 22*16*45mm.	15289976	PEON REVERSIBLE D/76cm.AF - SL/70
15220905	PLACA TIRO BIELA 150-95	15289986	PEON REVERSIBLE D/86cm.AF - S/76
15220925	PLACA TIRO BIELA 150-105	53000105	ENGRASADOR MT-503 10*150
15225902	BULON POSTERIOR PARALELO	60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
15226900	BULON HORQUILLA 150/180	60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
15226901	ARAND.CALZO 60	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
15226903	ARAND.CALZO 40	60000177	TORN.EXAG.DIN-931 12* 80 8.8
15226920	BULON HORQUILLA 130	60000210	TUER.AUTO.DIN-985 1" SAE 8.8
15229902	VASTAGO IZQDO.TENSOR PRIMER CUERPO XP	60000279	TORN.EXAG.C/LAR.1"*135 SAE 12.9 ZINC.
15229904	VASTAGO DCHO.TENSOR TIRO BIELA XP	60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.
15229921	CUERPO TENSOR TIRO BIELA XP-95	60000356	TORN.EXAG.C/LAR.1"*240 SAE 12.9
15229925	CASQ.D=50/40/26*74mm.TENSOR TIRO BIELA	60000357	TORN.EXAG.DIN-931 16* 70 8.8
15229926	CASQ.D=50/40/26*184mm.TENSOR TIRO BIELA	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
15229927	SEP.B.P.51/36* 11mm.ZINC.	61000033	ANILLO ELASTICO DIN-471 40
15229928	SEP.B.P.51/36* 66mm.ZINC.	61000064	ANILLO ELASTICO DIN-471 60
15230904	PLACA TIRO BIELA 100-95 (D/18) XP	65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm



PARALLELOGRAM XP-OL ASSEMBLY

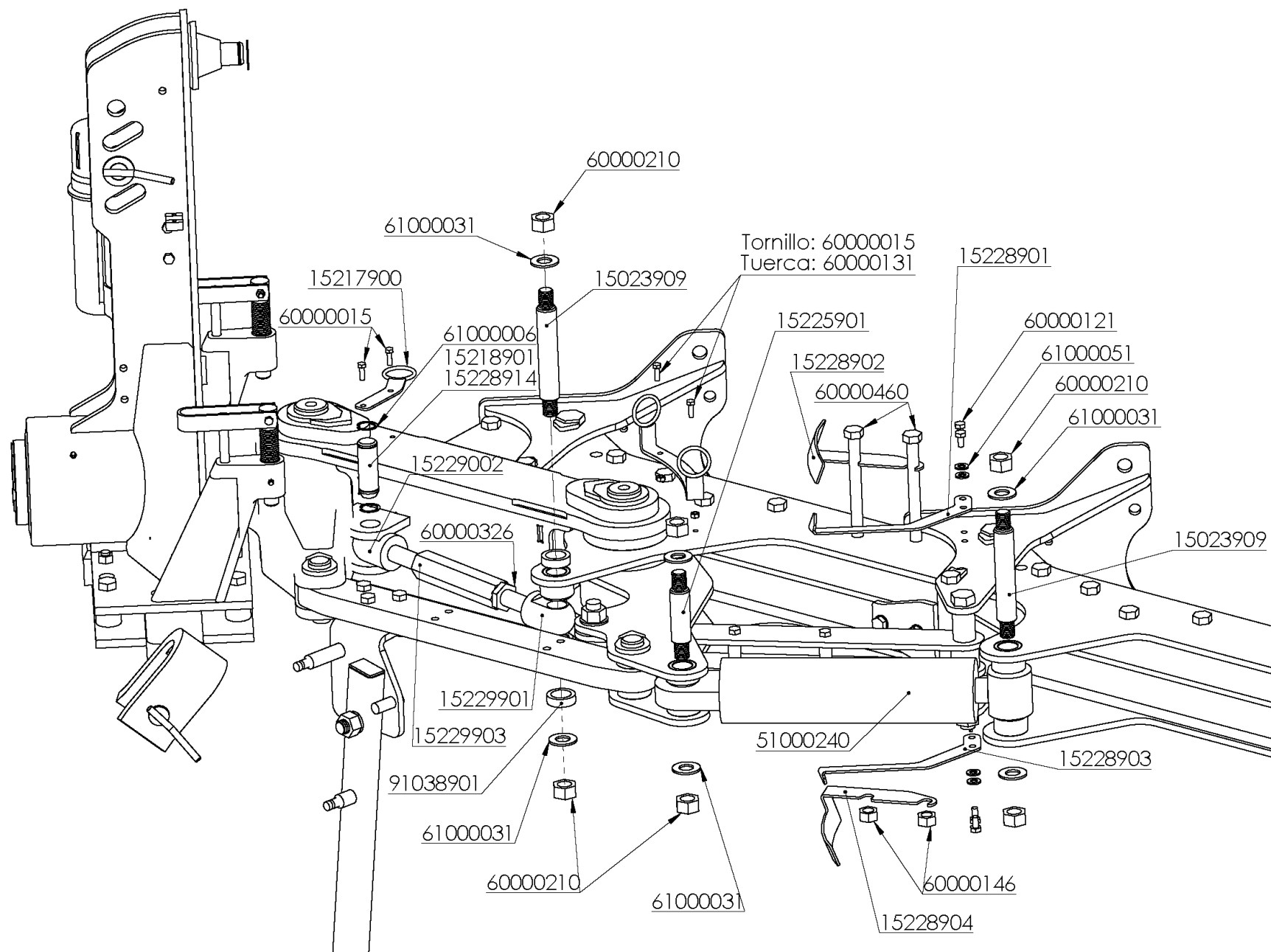


PARALLELOGRAM XP-OL ASSEMBLY

REFERENCIA	DESCRIPCIÓN
15217920	GUIA CENTRAL LATIG.XP-OL
15218950	HORQUILLA ARADO XP-OL
15218952	BARRA PARALELOGRAMO XP-OL
15230906	PLACA TIRO BIELA 150-95 XP-OL
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.
60000082	TORN.EXAG.DIN-931 16* 80 8.8
60000472	TUER.AUTO.DIN-980 1" SAE 10.9 BAJA ZINC.



FINISHED SET

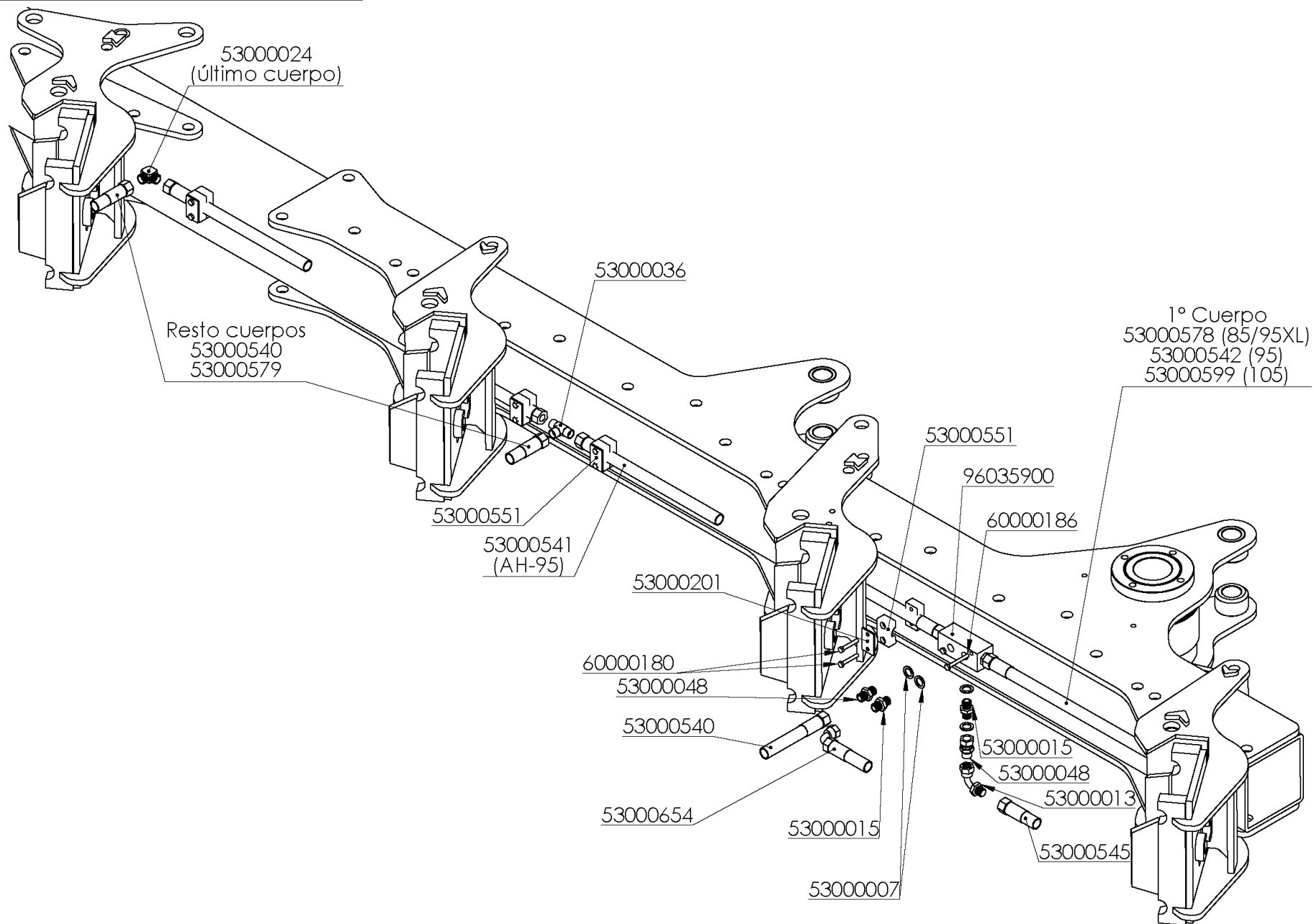


FINISHED SET

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + DACROMET	51000240	CILIND.APERT./MEMª. 45/100/200 VALV.BLOQ.
15217900	GUIA DEL.LATIG.AF	60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.
15217910	GUIA TRAS.LATIG.AF	60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.
15218901	BULON D=34,8*105mm.ANT.PRIMER CUERPO	60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
15225901	BULON D=34,8*165mm.ROSC.TENSOR + DACROMET	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
15228901	AGUJA TAJO AF DCHA.	60000210	TUER.AUTO.DIN-985 1" SAE 8.8
15228902	REGLA TAJO AF DCHA.	60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.
15228903	AGUJA TAJO AF IZQDA.	60000460	TORN.EXAG.DIN-931 20*210 8.8 ZINC.
15228904	REGLA TAJO AF IZQDA.	61000006	ANILLO ELASTICO DIN-471 35
15228914	BULON D=34,8*166mm.ANT.PRIMER CUERPO	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
15229002	CHARNELA TENSORES IZQDA.	61000051	ARAND.DIN-125 10 ZINC.
15229901	VASTAGO DCHO.TENSOR PRIMER CUERPO XP	91038901	SEP.B.P.51/36* 15mm.ZINC.
15229903	TUBO TENSOR PRIMER CUERPO XPF/H ZN.		



HYDROPNEUMATIC SYSTEM

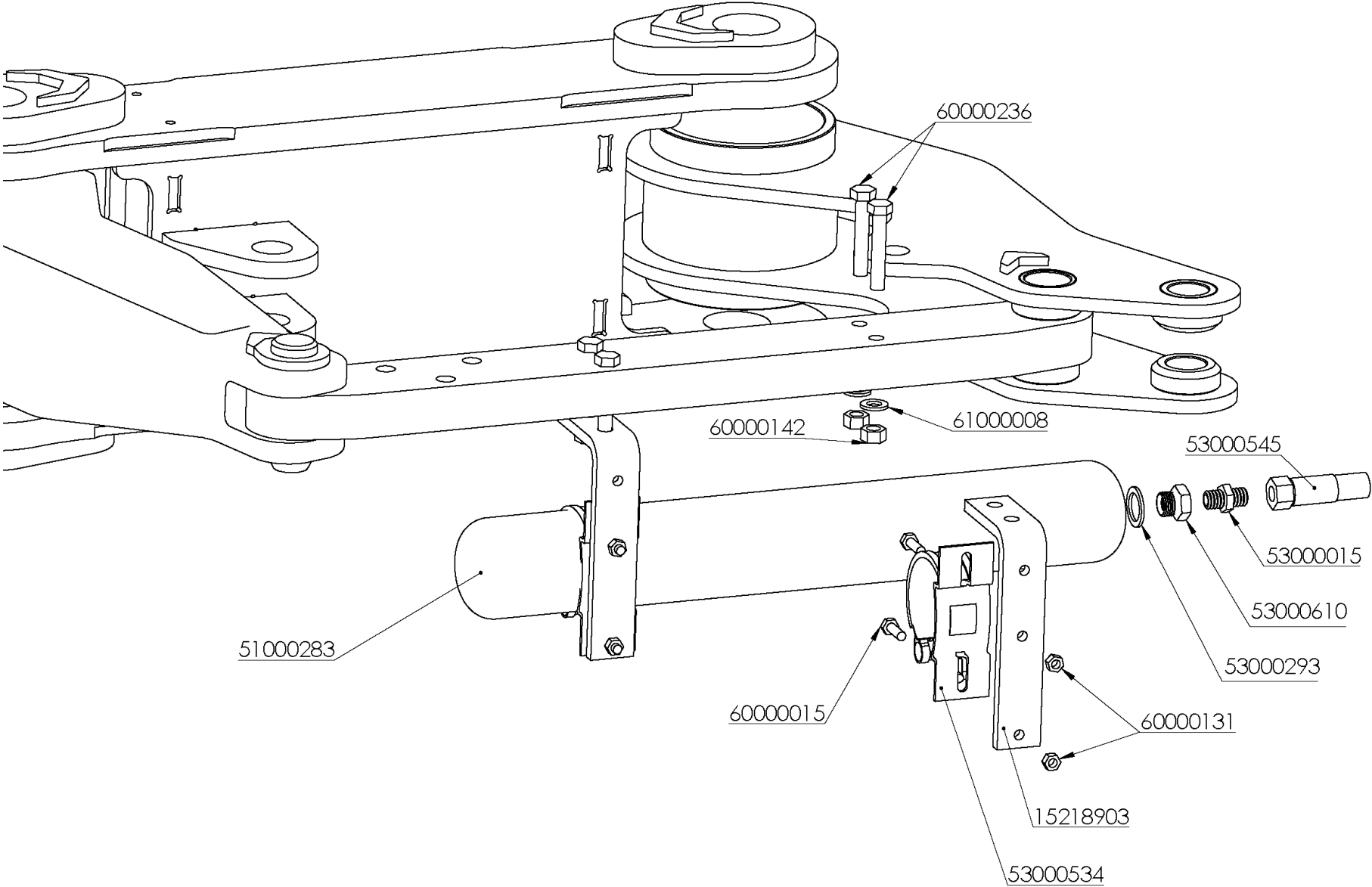


HYDROPNEUMATIC SYSTEM

REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000013	CODO 90° M/H-3/8" 4292
53000015	UNION MACHO 3/8 4062
53000024	CODO TUBO/TUBO 12mm. W12-L
53000036	TE UNION IGUAL 12 T12-L
53000048	UNION MACHO BSP 3/8-12 GE12-L
53000093	JUNTA METAL GOMA 1/4" 11601
53000201	PLACA RFZO.AB.SIMPLE 18 DP2
53000540	LATIG.PREMIER-3/8*1300mm.OR-3/8/TL-18
53000541	LATIG.PREMIER-3/8* 930mm.TL-18/TL-18
53000542	LATIG.PREMIER-3/8*1900mm.OR-3/8/TL-18
53000545	LATIG.PREMIER-3/8* 1050mm.TL-3/8/CTL-3/8
53000551	ABRAZ.SIMPLE LAT.PREMIER 3/8
53000578	LATIG.PREMIER-3/8*1800mm.OR-3/8/TL-18
53000579	LATIG.PREMIER-3/8*1170mm.OR-3/8/TL-18
53000599	LATIG.PREMIER-3/8*2000mm.OR-3/8/TL-18
53000654	LATIG.PREMIER-1/4*2450mm.TL-18/CTL-3/8
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
60000182	TORN.EXAG.DIN-931 6* 35 8.8 ZINC.
60000186	TORN.EXAG.DIN-931 6* 50 8.8 ZINC.
60000505	TORN.ALLEN DIN-912 6* 28 8.8 ZINC.
96035900	SOP.TOMAS HIDRAULICAS



ACCUMULATOR

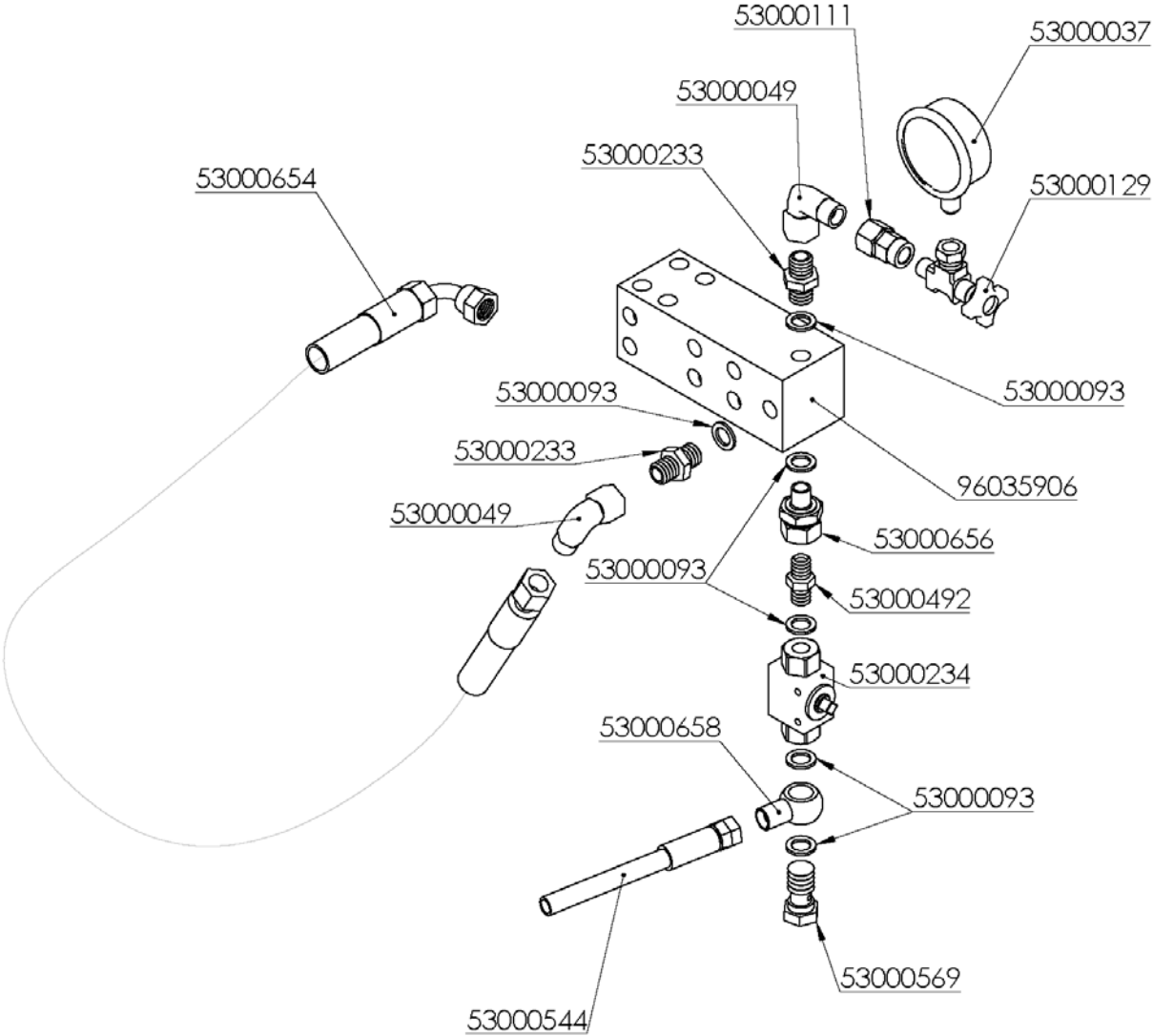


ACCUMULATOR

REFERENCIA	DESCRIPCIÓN
15218903	SOP.ACUMULADOR AH
51000283	ACUMULADOR 3 L. SK280-3/3218U-280AAE-VB-08-120 RAL 7047
53000015	UNION MACHO 3/8 4062
53000293	JUNTA METAL/GOMA 3/4" 11604
53000534	ABRAZ.ACUMULADOR 109/117 MPC
53000545	LATIG.PREMIER-3/8* 1050mm.TL-3/8/CTL-3/8
53000610	REDUCCION MACHO-HEMBRA 3/4"-3/8" ROSCA BSP 4162
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
60000236	TORN.EXAG.DIN-933 12* 70 10.9 ZINC.
61000008	ARAND.DIN-125 12 ZINC.



CHARGING HOSE

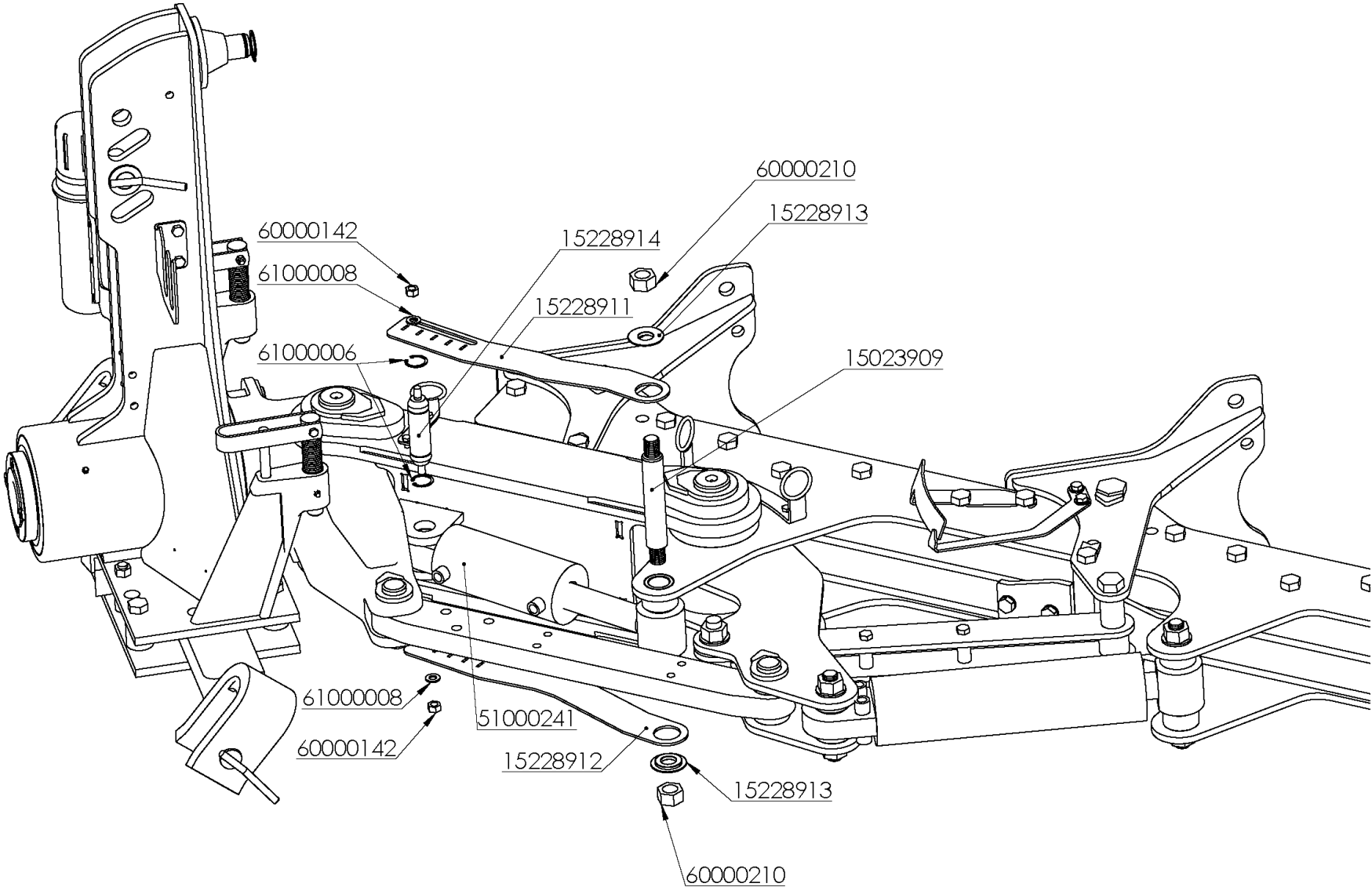


CHARGING HOSE

REFERENCIA	DESCRIPCIÓN
53000037	MANOM.GLIC.63 0-315 (MOD.OVLAC) 263R0-315
53000049	CODO C/TCA.LOCA EVW12-L
53000093	JUNTA METAL GOMA 1/4 11601
53000111	UNION HEMBRA MANOMETRO MAVE12-L
53000129	PROTECTOR MANOMETRO CODO 1/4 FT-291
53000233	UNION MACHO BSP 12-1/4 GE12-L1/4
53000234	VALV.ESFERA 2/2 1/4 GE2 DN6
53000492	UNION MACHO 1/4
53000544	LATIG.PREMIER-1/4*1200mm.MF-1/2/TL-1/4
53000569	TORNILLO SIMPLE 1/4
53000654	LATIG.PREMIER-1/4*2450mm.TL-18/CTL-3/8
53000656	UNION M/TL 1/4 GAS VG-S-940-13
53000658	ESFERICO ROSCADO 1/4 4011
96035906	SOP.TOMAS HIDRAULICAS XPH ZINCADO (D/18)



HYDRAULIC SHIFT SUPPLEMENT

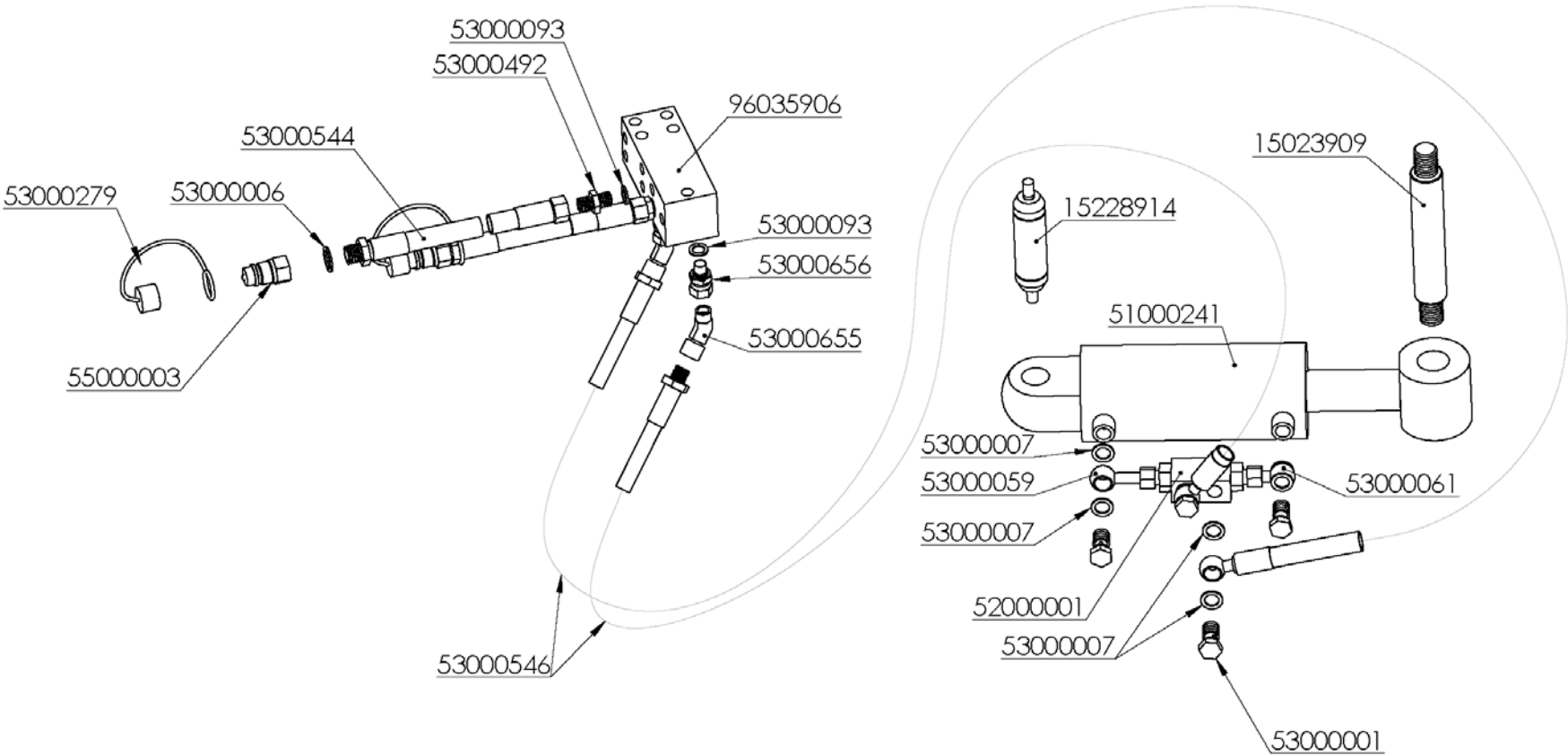


HYDRAULIC SHIFT SUPPLEMENT

REFERENCIA	DESCRIPCIÓN
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + DACROMET
15228911	REGLA PRIMER CUERPO AF DCHA.
15228912	REGLA PRIMER CUERPO AF IZQDA.
15228913	CASQUILLO REGLA PRIMER CUERPO
15228914	BULON D=34,8*166mm.ANT.PRIMER CUERPO
51000241	CILIND.AJUSTE 1er.CPO.45/90/120
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
60000210	TUER.AUTO.DIN-985 1" SAE 8.8
61000006	ANILLO ELASTICO DIN-471 35
61000008	ARAND.DIN-125 12 ZINC.



HYDRAULIC SHIFTING SYSTEM

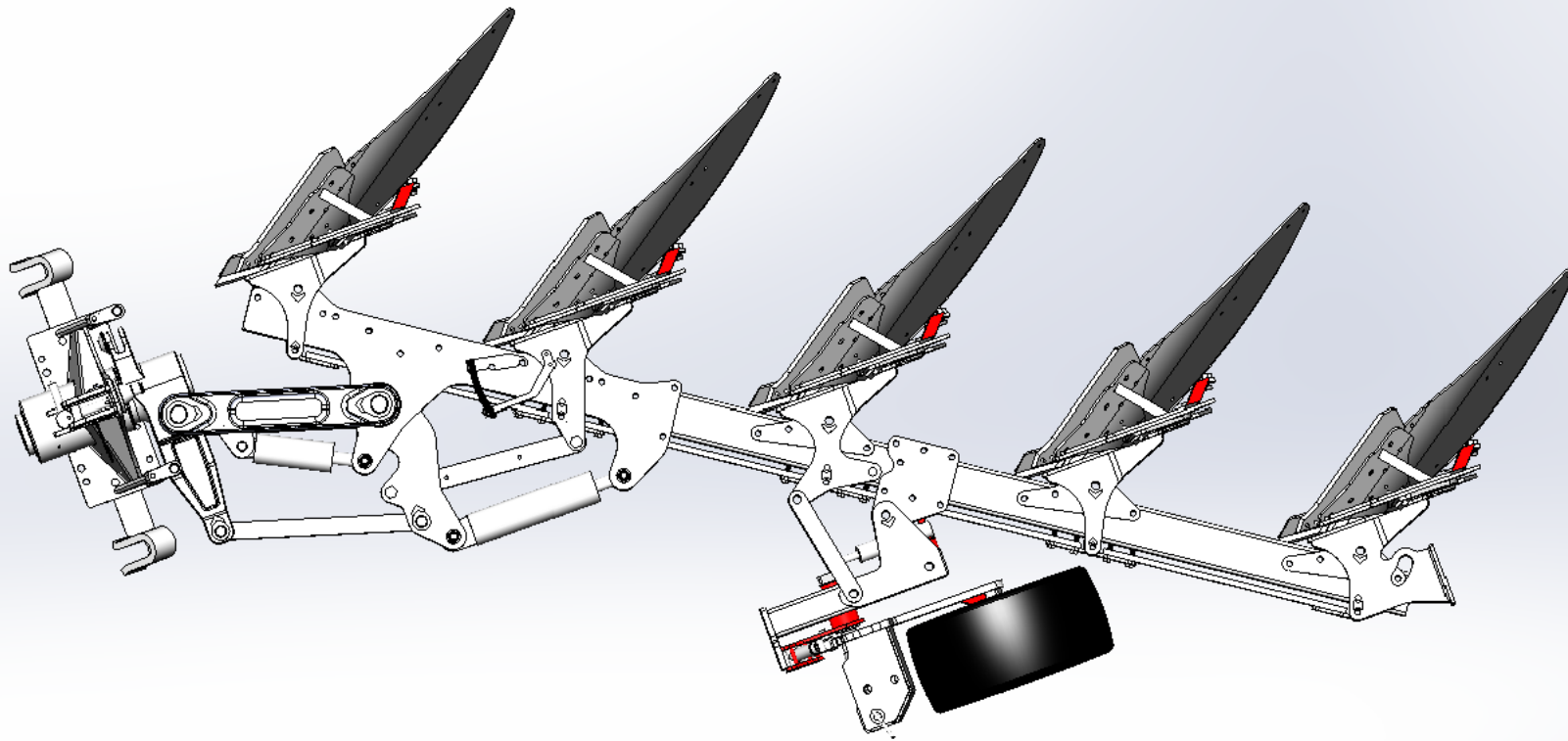


HYDRAULIC SHIFTING SYSTEM

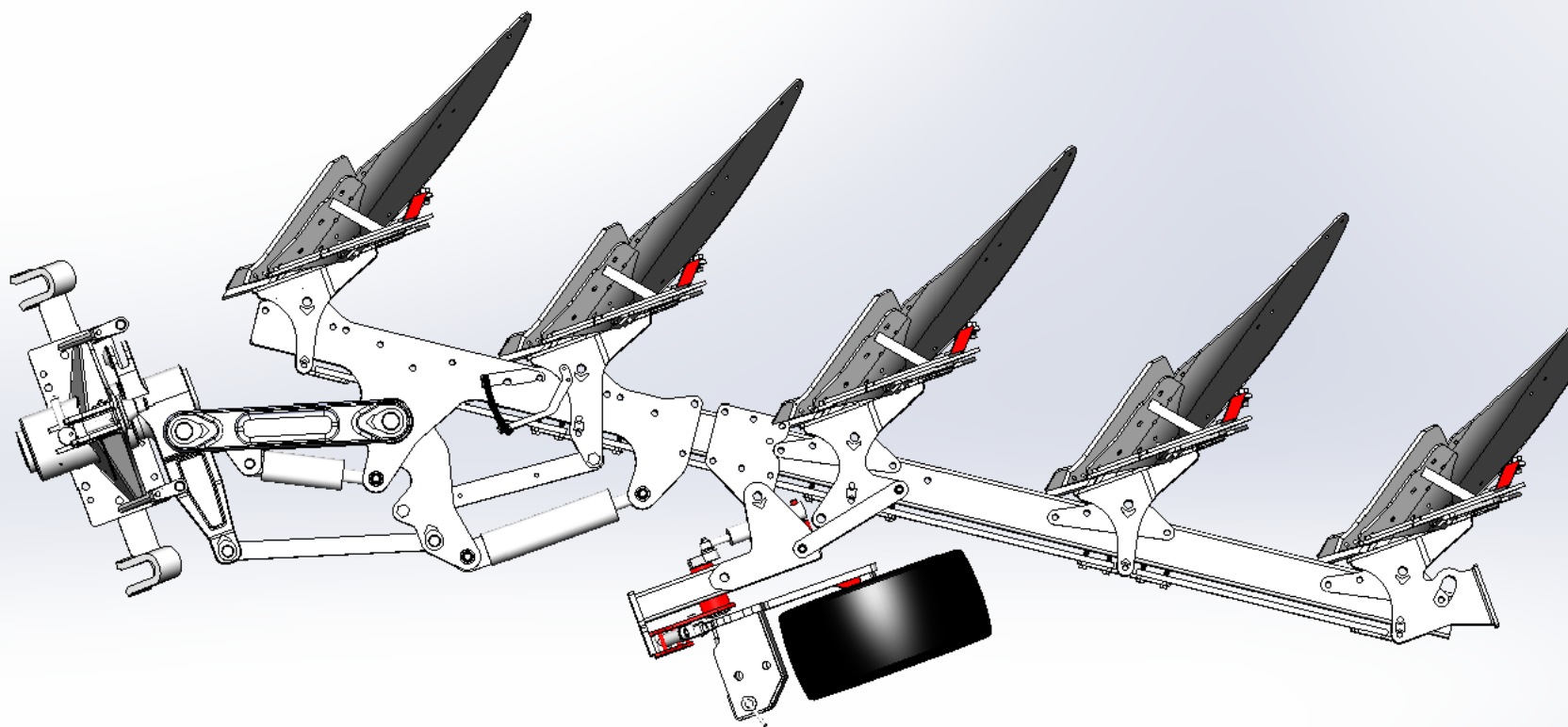
REFERENCIA	DESCRIPCIÓN
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + DACROMET
15228914	BULON D=34,8*166mm.ANT.PRIMER CUERPO
51000241	CILIND.AJUSTE 1er.CPO.45/90/120
52000001	VALV.BLOQUEO ZINC.12 VBD38
53000001	TORNILLO SIMPLE 3/8 4022
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000059	ESFERICO 3/8" TUBO 12mm.LG=40 4002E
53000061	ESFERICO 3/8" TUBO 12mm.LG=200 4002E-200
53000093	JUNTA METAL GOMA 1/4" 11601
53000279	PROTECTOR E.R.MACHO 1/2" VERDE 5029-4PG
53000492	UNION MACHO 1/4
53000544	LATIG.PREMIER-1/4*1200mm.MF-1/2/TL-1/4
53000546	LATIG.PREMIER-1/4*2750mm.MF-1/4/OR-3/8
53000655	CODO 45° M+TL 1/4 GAS LEK-S952-13
53000656	UNION M/TL 1/4 GAS VG-S-940-13
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
96035906	SOP.TOMAS HIDRAULICAS XPH ZINCADO (D/18)



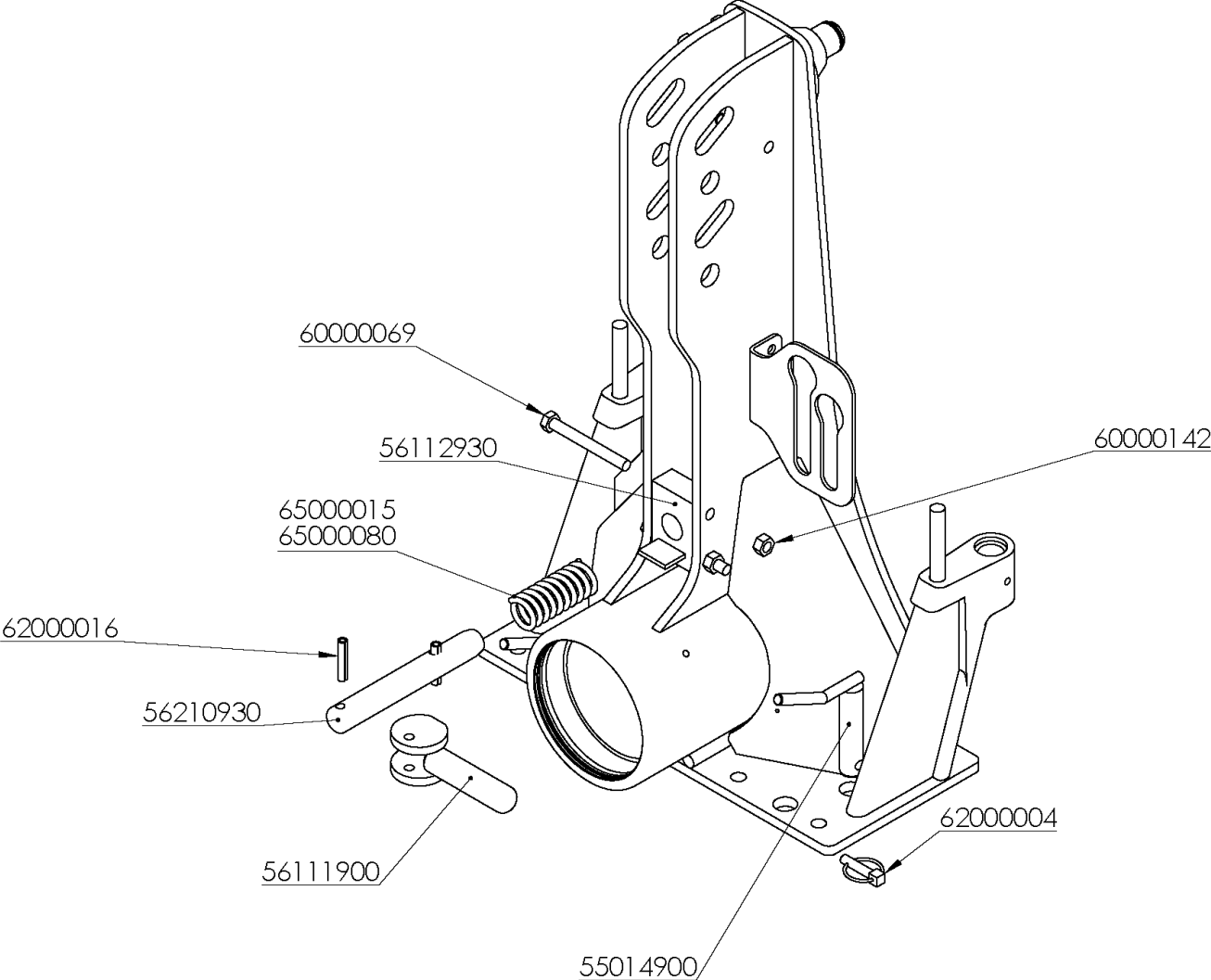
POSITION 1



POSITION 2



HEADSTOCK LOCK

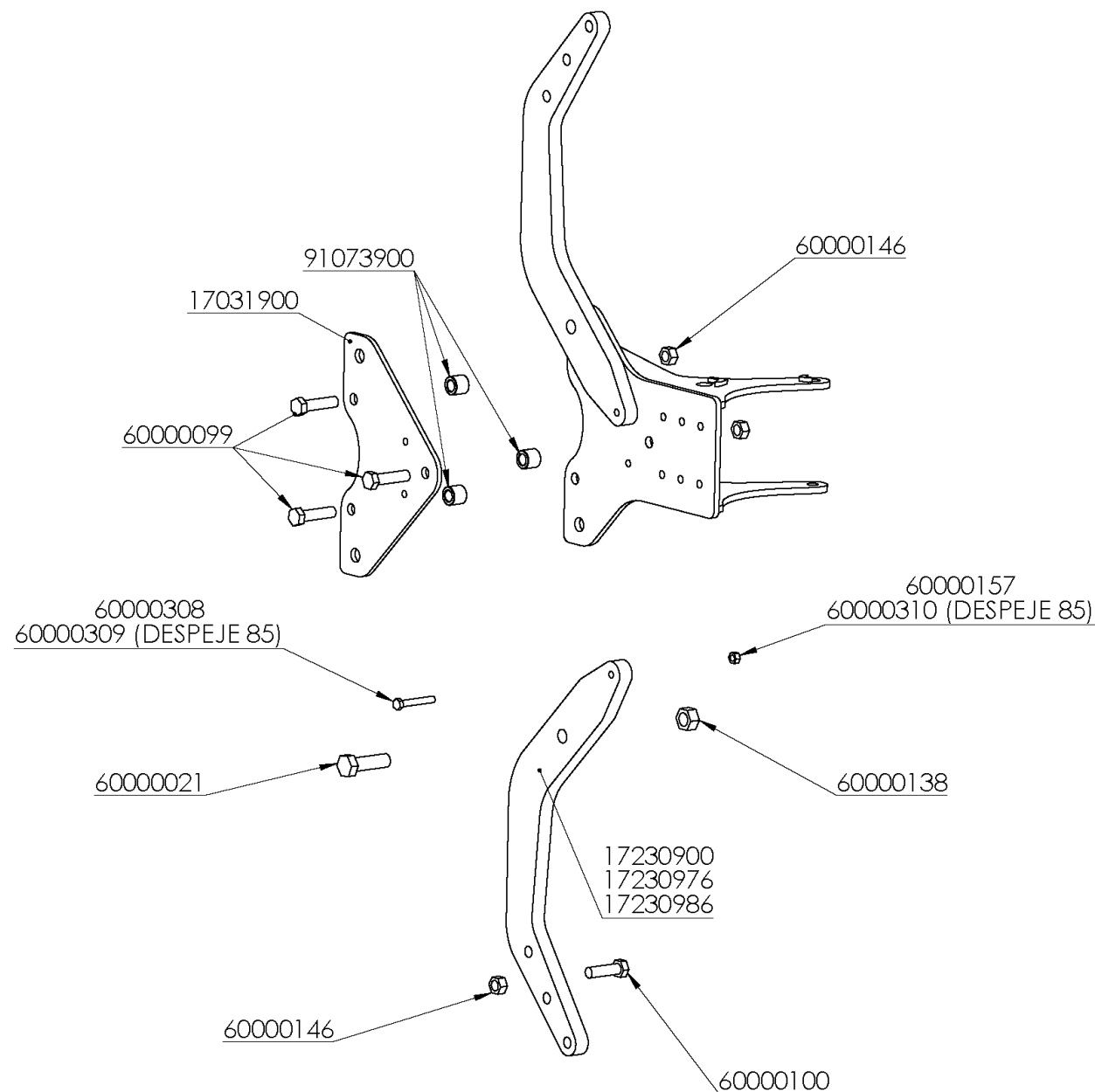


HEADSTOCK LOCK

REFERENCIA	DESCRIPCIÓN
55014900	BULON D=25*110mm.BLOQUEO/BRAZO RODILLO
56111900	EXCENTRICA TRABADERO
56112930	SOP.TRABADERO (C-120/150)
56210930	BULON D=29,8*216mm.TRABADERO (D/16)
60000069	TORN.EXAG.DIN-931 12*110 8.8 ZINC.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
62000004	PASADOR ANILLA 10 ZINC.
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.
65000015	MUELLE COMPR.CILIND.110*40*5 ZINC.
65000080	MUELLE COMPR.CILIND.150*39*4 ZINC. (Paso 12)



SHEARBOLT BODY



SHEARBOLT BODY

REFERENCIA	DESCRIPCIÓN
17031900	PLACA PORTACAMBA EXT.SFN
17230900	CAMBA AF 30mm.
17230976	CAMBA AF 30mm 75cm.DESPEJE
17230986	CAMBA AF 30mm.85cm.DESPEJE
60000021	TORN.EXAG.C/LAR.1"* 85 SAE 12.9
60000099	TORN.EXAG.C/LAR.20* 80 10.9
60000100	TORN.EXAG.DIN-931 20* 70 8.8
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC.
60000308	TORN.EXAG.C/LAR.12* 70 12.9
60000309	TORN.EXAG.C/LAR.1/2"* 70 SAE 12.9
60000310	TUER.EXAG.DIN-934 1/2"SAE 10.9
91073900	CASQ.D= 35/21*31mm.SEP.PORTAC.SM/SF



ARM

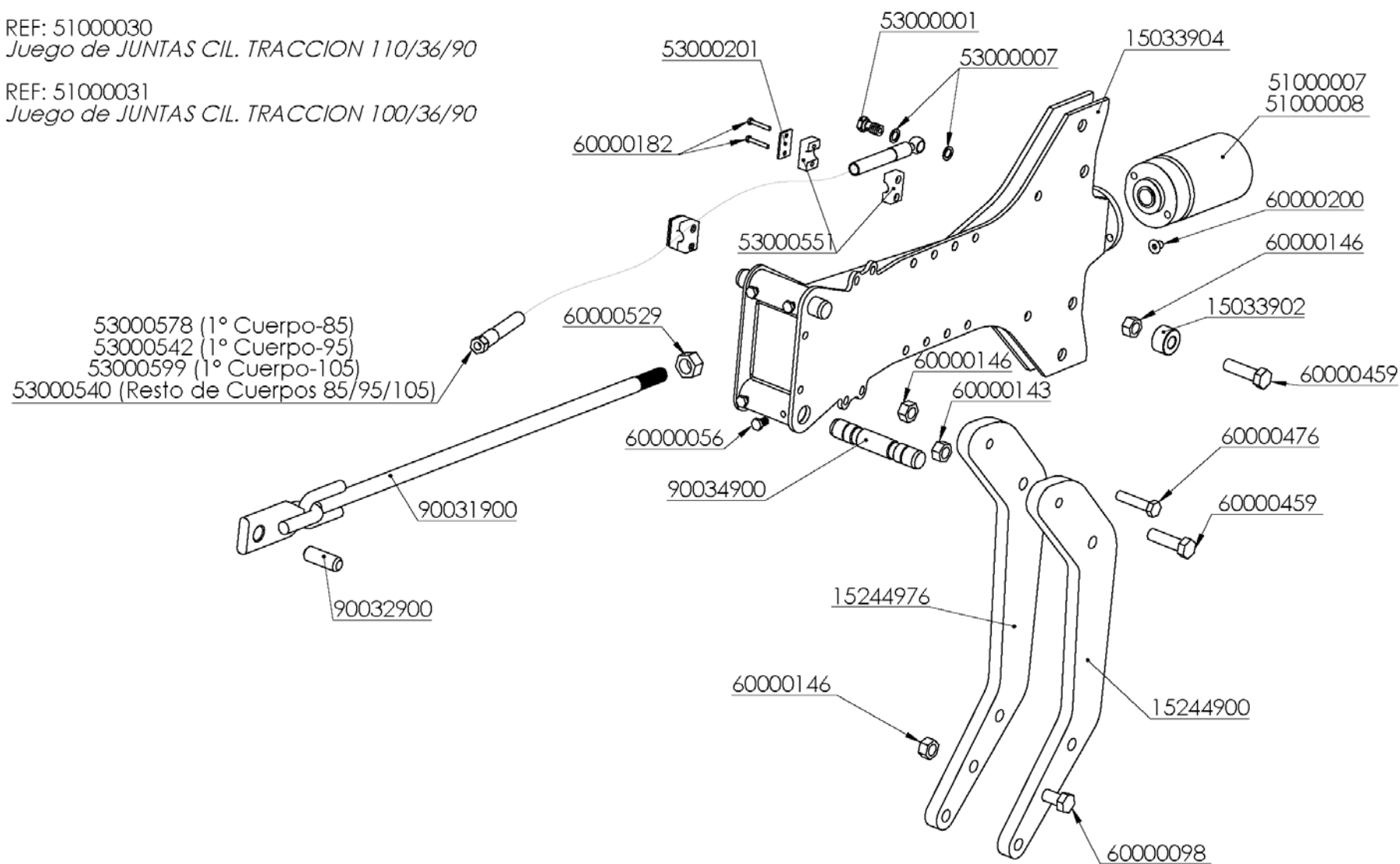
COMPONENTES PARA REPUESTO:

REF: 51000030

Juego de JUNTAS CIL. TRACCION 110/36/90

REF: 51000031

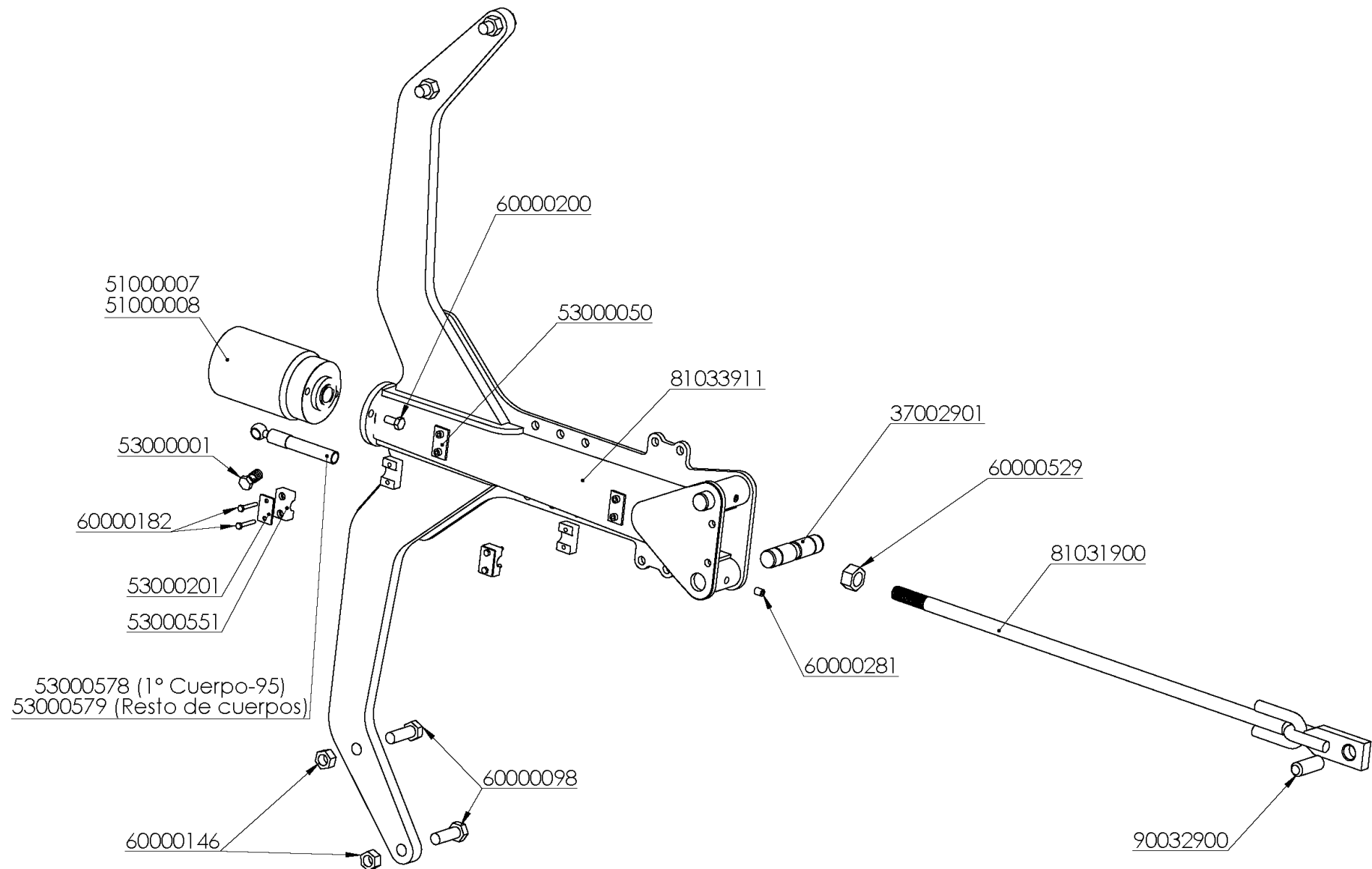
Juego de JUNTAS CIL. TRACCION 100/36/90



REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15033902	CASQ.D= 45/20,5*26mm.PORTACAMBA SB	53000599	LATIG.PREMIER-3/8*2000mm.OR-3/8/TL-18
15033904	BRAZO PORTACAMBA SH (D/18)	60000056	TORN.EXAG.DIN-933 12* 20 12.9
15244900	CAMBA AH 25mm	60000098	TORN.EXAG.DIN-931 20* 60 8.8
15244976	CAMBA AH 25mm 76cm DESPEJE.	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
51000007	CILIND.TRACCION 110/36/90 AR	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
51000008	CILIND.TRACCION 100/36/90 AR	60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
51000030	J.JUNTAS CIL.TRACC. 110/36/90 (CICRO)	60000182	TORN.EXAG.DIN-931 6* 35 8.8 ZINC.
51000031	J.JUNTAS CIL.TRACC. 100/36/90 (CICRO)	60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.
53000001	TORNILLO SIMPLE 3/8 4022	60000459	TORN.EXAG.C/LAR. 20* 70 10.9
53000007	JUNTA METAL/GOMA 3/8" 11602	60000476	TORN.EXAG.C/LAR. 16* 65 10.9 (FUSIBLE)
53000201	PLACA RFZO.AB.SIMPLE 18 DP2	60000529	TUER.AUTO.DIN-985 1" SAE 10.9
53000540	LATIG.PREMIER-3/8*1300mm.OR-3/8/TL-18	90031900	BARRA TENSORA
53000542	LATIG.PREMIER-3/8*1900mm.OR-3/8/TL-18	90032900	BULON D=25* 70mm.TIRO BARRA TENSORA
53000551	ABRAZ.SIMPLE LAT.PREMIER 3/8	90034900	BULON APOYO ANCORA
53000578	LATIG.PREMIER-3/8*1800mm.OR-3/8/TL-18		



ARM "XL"

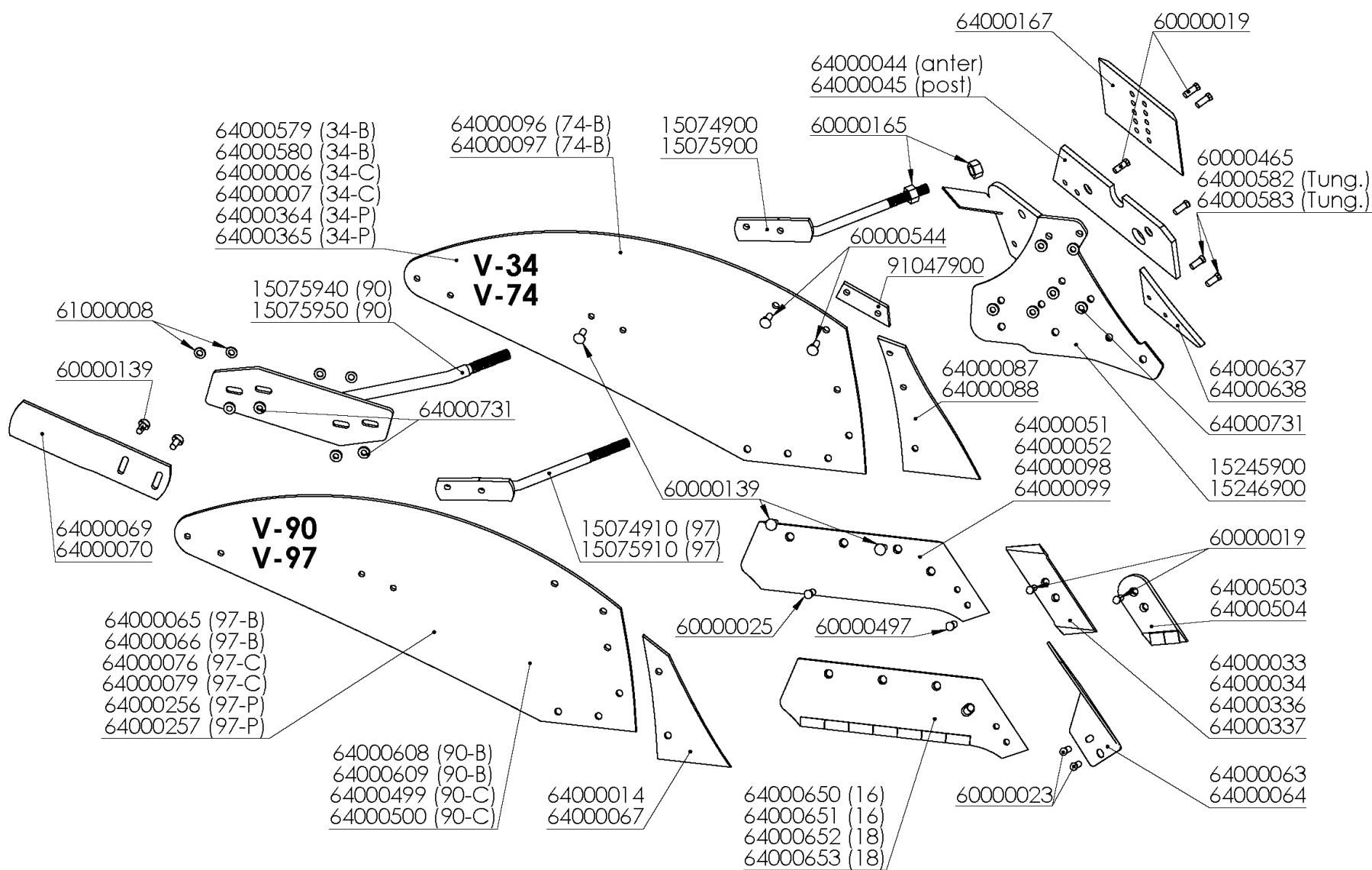


ARM "XL"

REFERENCIA	DESCRIPCIÓN
37002901	BULON APOYO ANCORA MR
51000007	CILIND.TRACCION 110/36/90 AR
51000008	CILIND.TRACCION 100/36/90 AR
53000001	TORNILLO SIMPLE 3/8 4022
53000041	ABRAZ.SIMPLE D=19mm. 319PP
53000050	PLACA SOLDAR AB.SIMPLE 20 SP3
53000201	PLACA RFZO.AB.SIMPLE 18 DP2
53000551	ABRAZ.SIMPLE LAT.PREMIER 3/8
53000578	LATIG.PREMIER-3/8*1800mm.OR-3/8/TL-18
53000579	LATIG.PREMIER-3/8*1170mm.OR-3/8/TL-18
60000098	TORN.EXAG.DIN-931 20* 60 8.8
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
60000182	TORN.EXAG.DIN-931 6* 35 8.8 ZINC.
60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.
60000218	TORN.ALLEN DIN-913 12* 16 12.9
60000281	TORN.ALLEN DIN-913 12* 14 12.9
60000529	TUER.AUTO.DIN-985 1" SAE 10.9
81031900	BARRA TENSORA LVH
81033911	BRAZO PORTACAMBA LVH-76 (D/18)
90032900	BULON D=25* 70mm.TIRO BARRA TENSORA



BODIES V-97 V-34 V-90 V-74

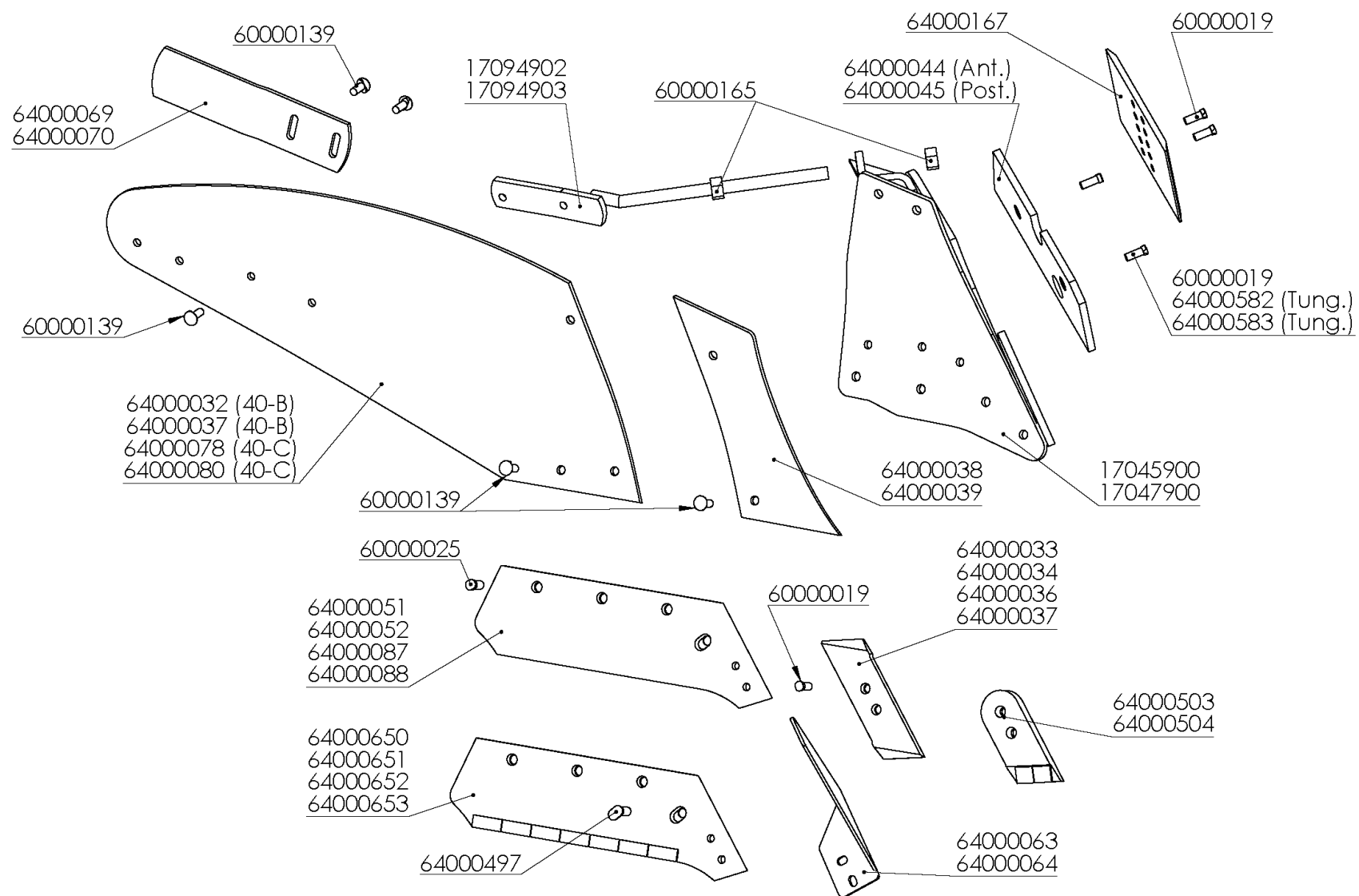


BODIES V-97 V-34 V-90 V-74

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15074900	TENSOR 1834 CORTO DCH.(D/04)	64000044	COSTANERA CORTA 2338-CAV-BAR	64000336	PUNTA REJA 1365-D 70x15mm.
15074910	TENSOR 1797 CORTO DCH.(D/04)	64000045	COSTANERA LARGA 2339-CAV-BAR	64000337	PUNTA REJA 1365-I 70x15mm.
15075900	TENSOR 1834 CORTO IZQD.(D/04)	64000051	REJA 16"-D-CAV	64000364	VERTEDERA PLASTIC.D A73290M (1834)
15075910	TENSOR 1797 CORTO IZQD.(D/04)	64000052	REJA 16"-I-CAV	64000365	VERTEDERA PLASTIC.I A73291M (1834)
15075940	TENSOR 1790 DCH. (D/18)	64000063	CORTANTE 1464-D	64000499	VERTEDERA CEMENT.1790-D-CAV (KV-28)
15075950	TENSOR 1790 IZQ. (D/18)	64000064	CORTANTE 1464-I	64000500	VERTEDERA CEMENT.1790-I-CAV (KV-28)
15245900	PORTA-REJAS DCH.1797/1834 (D/17)	64000065	VERTEDERA ENDURAX 1797-D-CAV	64000503	PUNTA ARADO 1365-D (70x20) C/TUNGSTENO/APORTE
15246900	PORTA-REJAS IZQD.1797/1834 (D/17)	64000066	VERTEDERA ENDURAX 1797-I-CAV	64000504	PUNTA ARADO 1365-I (70x20) C/TUNGSTENO/APORTE
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000067	COMPLEMENTO BORO 1798-I-CAV	64000579	VERTEDERA BORO 1834-D-CAV
60000023	TORN.ARADO C/OV/934 12*42 12.9	64000069	COLA VERTEDERA 1829-D	64000580	VERTEDERA BORO 1834-I-CAV
60000025	TORN.ARADO C/OV/934 14*35 12.9	64000070	COLA VERTEDERA 1829-I	64000582	COSTANERA CORTA 2338 C/APORTE
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.	64000076	VERTEDERA CEMENT.1797-D-CAV	64000583	COSTANERA LARGA 2339 C/APORTE
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000079	VERTEDERA CEMENT.1797-I-CAV	64000608	VERTEDERA BORO 1790-D-CAV (KV-28)
60000465	TORN.ARADO C/OV/934 10*33 12.9	64000087	COMPLEMENTO BORO 1849-D-CA	64000609	VERTEDERA BORO 1790-I-CAV (KV-28)
60000497	TORN.ARADO C/OBL/934 14*34 12.9	64000088	COMPLEMENTO BORO 1849-I-CA	64000637	PUNTA COSTAN.D 1797/1834
60000544	TORN.ARADO 2TET/934 12*20 8.8 ZINC.	64000096	VERTEDERA BORO 1874-D-CAV	64000638	PUNTA COSTAN.I 1797/1834
61000008	ARAND.DIN-125 12 ZINC.	64000097	VERTEDERA BORO 1874-I-CAV	64000650	REJA ARADO 1434-16"-I C/TUNGSTENO Y APORTE
64000006	VERTEDERA CEMENT.1834-D-CAV	64000098	REJA 18"-D-CAV	64000651	REJA ARADO 1434-16"-D C/TUNGSTENO Y APORTE
64000007	VERTEDERA CEMENT.1834-I-CAV	64000099	REJA 18"-I-CAV	64000652	REJA ARADO 1434-18"-I C/TUNGSTENO Y APORTE
64000014	COMPLEMENTO BORO 1798-D-CAV	64000167	TALONERA 2357	64000653	REJA ARADO 1434-18"-D C/TUNGSTENO Y APORTE
64000033	PUNTA REJA 1365-D 65x12mm.	64000256	VERTEDERA PLASTIC.D A73286M (1797)	64000731	ARAND.GOMA ADHESIVA M-12 REFORZADA
64000034	PUNTA REJA 1365-I 65x12mm.	64000257	VERTEDERA PLASTIC.I A73287M (1797)	91047900	PLETINA UNION VERT./COMPL.1834



BODIE V-40

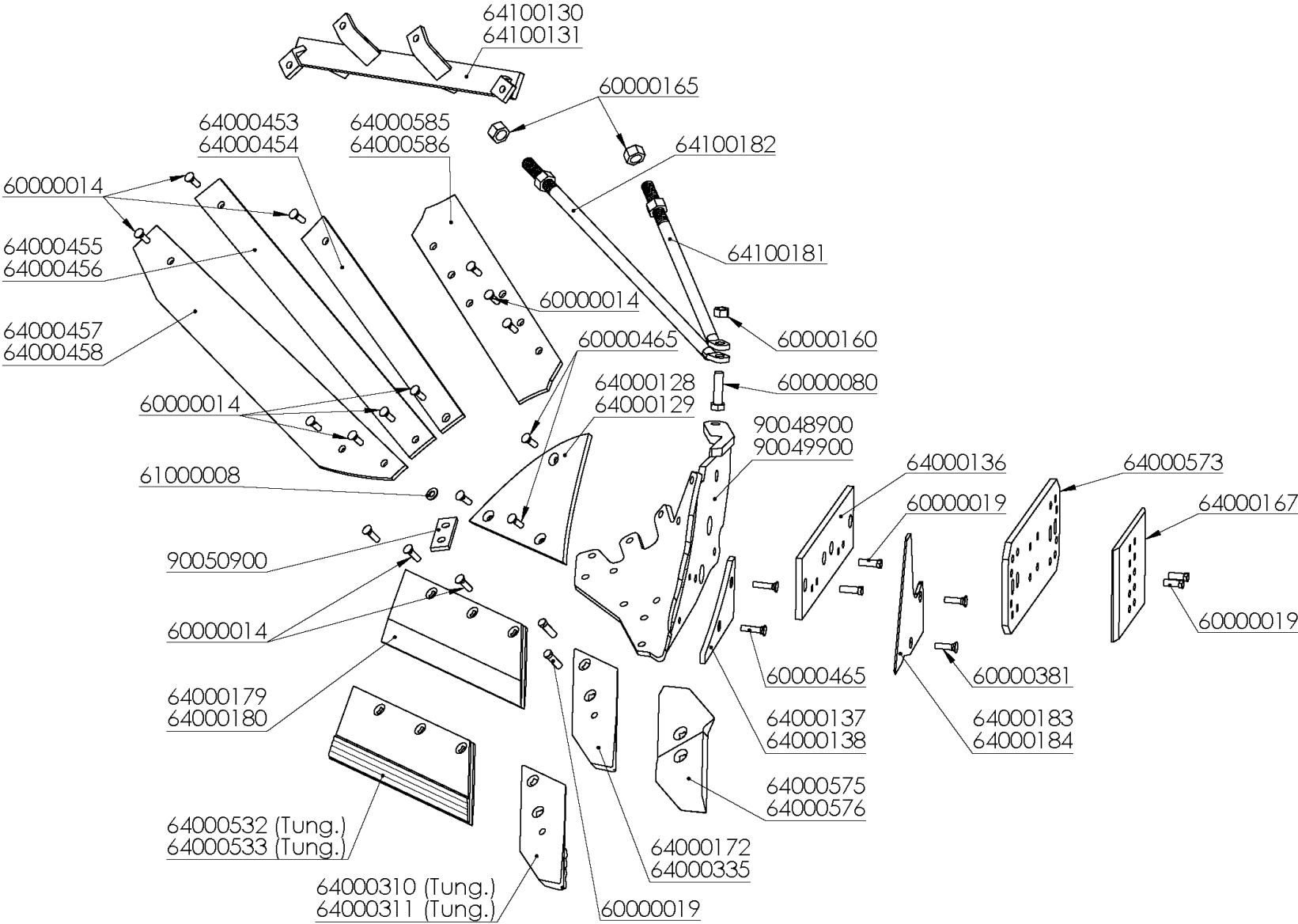


BODIE V-40

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
17045900	PORTA-REJAS DCH.1840 (D/04)	64000064	CORTANTE 1464-I
17047900	PORTA-REJAS IZQ.1840 (D/04)	64000069	COLA VERTEDERA 1829-D
17094902	TENSOR 1840 CORTO DCH.(D/04)	64000070	COLA VERTEDERA 1829-I
17094903	TENSOR 1840 CORTO IZQD.(D/04)	64000078	VERTEDERA CEMENT.1840-D-CAV
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000080	VERTEDERA CEMENT.1840-I-CAV
60000025	TORN.ARADO C/OV/934 14*35 12.9	64000087	COMPLEMENTO BORO 1849-D-CA
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.	64000088	COMPLEMENTO BORO 1849-I-CA
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000167	TALONERA 2357
64000032	VERTEDERA BORO 1840-D-CAV	64000336	PUNTA REJA 1365-D 70x15mm.
64000033	PUNTA REJA 1365-D 65x12mm.	64000337	PUNTA REJA 1365-I 70x15mm.
64000034	PUNTA REJA 1365-I 65x12mm.	64000497	PUNTA REJA 1388-I (KH-622181)
64000037	VERTEDERA BORO 1840-I-CAV	64000503	PUNTA ARADO 1365-D (70x20) C/TUNGSTENO/APORTE
64000038	COMPLEMENTO BORO 1839-D-CAV	64000504	PUNTA ARADO 1365-I (70x20) C/TUNGSTENO/APORTE
64000039	COMPLEMENTO BORO 1839-I-CAV	64000582	COSTANERA CORTA 2338 C/APORTE
64000044	COSTANERA CORTA 2338-CAV-BAR	64000583	COSTANERA LARGA 2339 C/APORTE
64000045	COSTANERA LARGA 2339-CAV-BAR	64000650	REJA ARADO 1434-16"-I C/TUNGSTENO Y APORTE
64000051	REJA 16"-D-CAV	64000651	REJA ARADO 1434-16"-D C/TUNGSTENO Y APORTE
64000052	REJA 16"-I-CAV	64000652	REJA ARADO 1434-18"-I C/TUNGSTENO Y APORTE
64000063	CORTANTE 1464-D	64000653	REJA ARADO 1434-18"-D C/TUNGSTENO Y APORTE



SLATTED BODY "LOV"

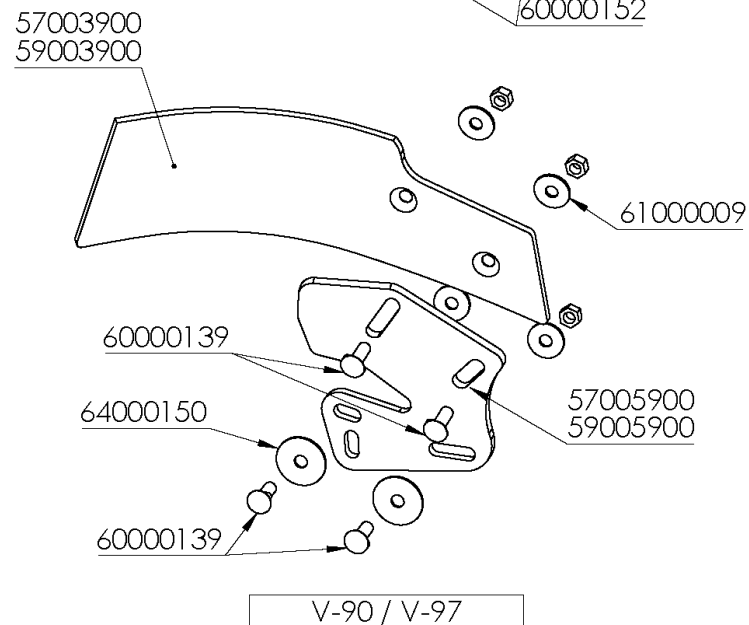
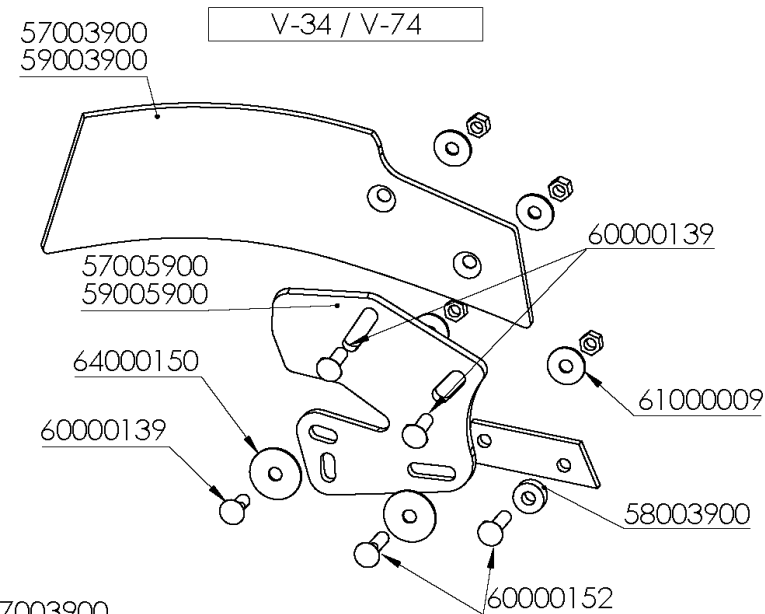
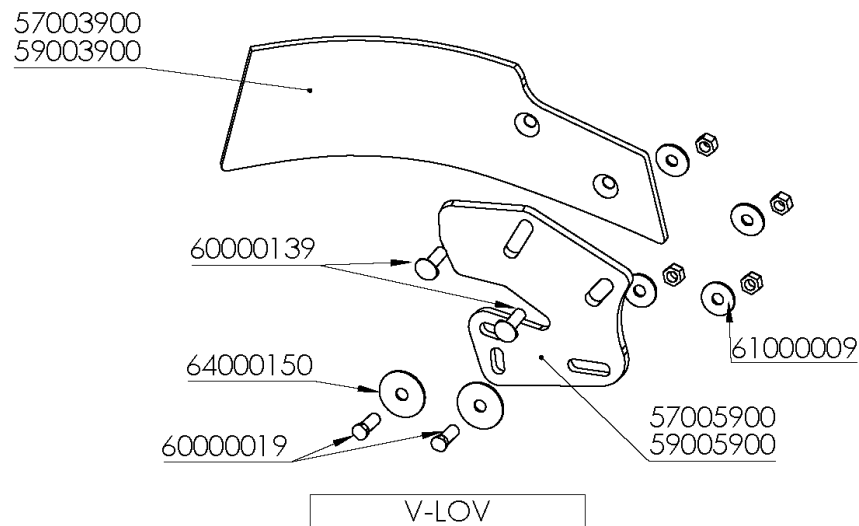
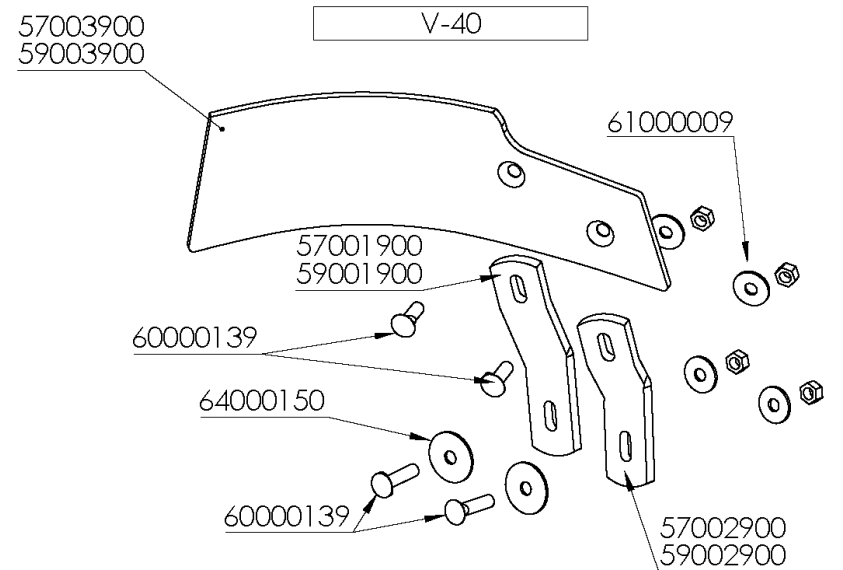


SLATTED BODY "LOV"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000014	TORN.ARADO C/OV/934 12*33 12.9	64000335	PUNTA REJA I LOV 15mm.
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000453	LAMINA 2-D (D/09-11)
60000080	TORN.EXAG.DIN-931 16* 60 8.8 ZINC.	64000454	LAMINA 2-I (D/09-11)
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	64000455	LAMINA 3-D (D/09-11)
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000456	LAMINA 3-I (D/09-11)
60000381	TORN.ARADO DIN-608/934 10*40 8.8	64000457	LAMINA 4-D (D/09-11)
60000465	TORN.ARADO C/OV/934 10*33 12.9	64000458	LAMINA 4-I (D/09-11)
61000008	ARAND.DIN-125 12 ZINC.	64000532	REJA 20"D LOV C/APORTE
64000128	COMPLEMENTO D LOV	64000533	REJA 20"I LOV C/APORTE
64000129	COMPLEMENTO I LOV	64000573	COSTANERA XL D/I LOV
64000136	COSTANERA D/I LOV	64000575	PUNTA REJA D LOV REVERS.
64000137	PUNTA COSTAN.D LOV	64000576	PUNTA REJA I LOV REVERS.
64000138	PUNTA COSTAN.I LOV	64000585	LAMINA 1-D-XL REVERS.
64000167	TALONERA 2357	64000586	LAMINA 1-I-XL REVERS.
64000172	PUNTA REJA D LOV 15mm.	64100130	SOP.TENSOR D LOV RFZD.
64000179	REJA 20"D LOV	64100131	SOP.TENSOR I LOV RFZD.
64000180	REJA 20"I LOV	64100181	TENSOR CORTO RFZD.LOV
64000183	CORTANTE D-LK 3492890	64100182	TENSOR LARGO RFZD.LOV
64000184	CORTANTE I-LK 3492891	90048900	PORTA-REJAS DCH.LOV
64000310	PUNTA REJA D LOV 15mm.C/APORTE	90049900	PORTA-REJAS IZQD.LOV
64000311	PUNTA REJA I LOV 15mm.C/APORTE	90050900	PLETINA UNION VERT-REJA LOV



TRASHBOARDS

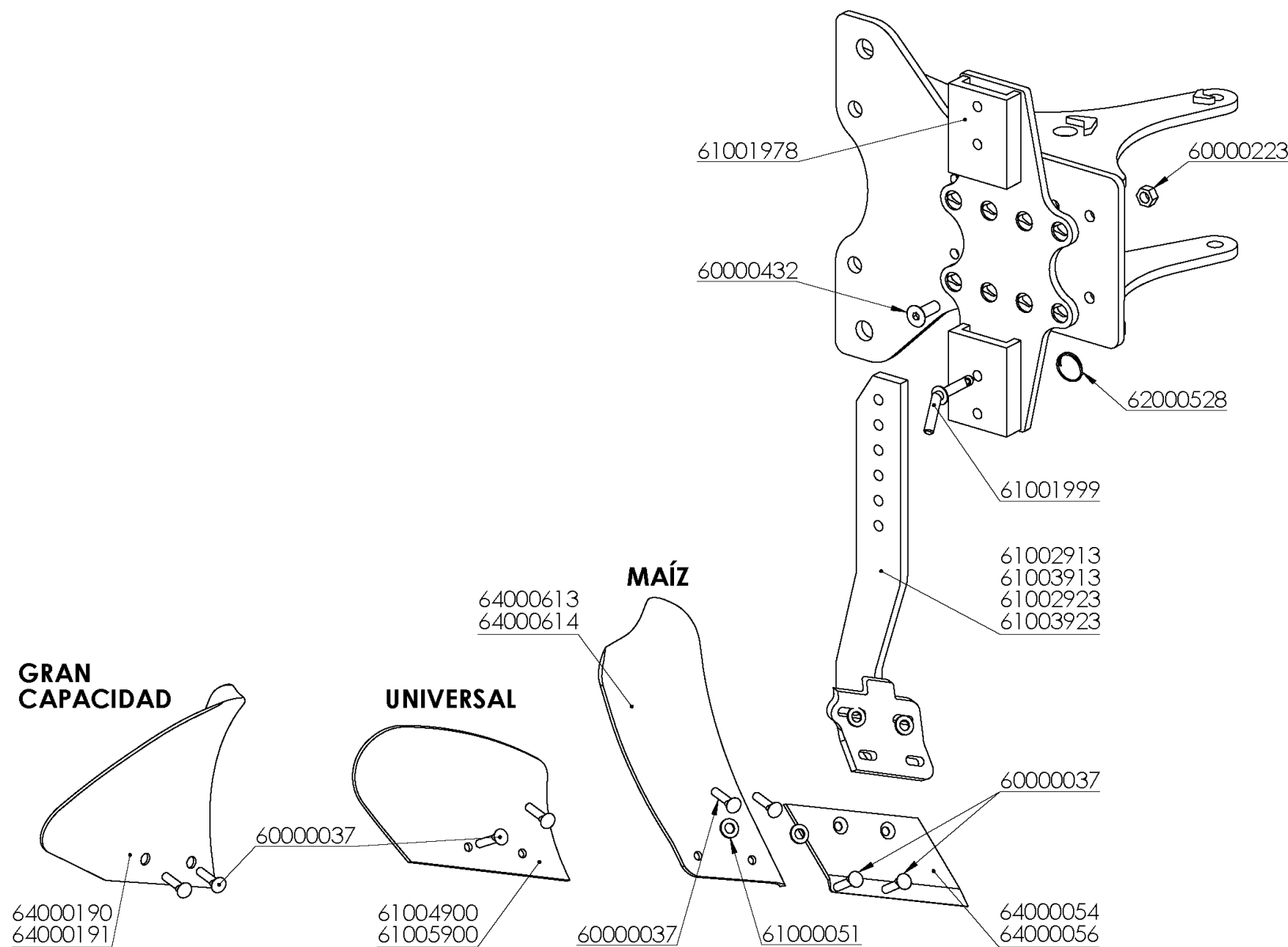


TRASHBOARDS

REFERENCIA	DESCRIPCIÓN
57001900	SOP.POST.DCH.C.R.1840/V-LK
57002900	SOP.ANTER.DCH.C.R.1840/POST.DCH.1701
57003900	DEFLECTOR BORO 1856-D-CAV
57005900	SOPORTE C.R. DCH.(1797-1834-VLAM)
58003900	CASQ.D= 30/13*12mm.SEP.SOP.C.R.1834 ZINC.
59001900	SOP.POST.IZQD.C.R.1840/V-LK
59002900	SOP.ANTER.IZQD.C.R.1840/POST.IZQD.1701
59003900	DEFLECTOR BORO 1856-I-CAV
59005900	SOPORTE C.R. IZQ.(1797-1834-VLAM)
60000019	TORN.ARADO C/OV/934 12*36 12.9
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.
60000152	TORN.ARADO 2TET/934 12*45 8.8 ZINC.
61000009	ARAND.DIN-9021 12 ZINC.
64000150	ARAND.GOMA ADHESIVA M-12



SHEARBOLT SKIMMERS



SHEARBOLT SKIMMERS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000037	TORN.ARADO 2TET/934 10*35 10.9 ZINC.	61003923	BRAZO RASETA IZQD.SN 86cm.(D/13-AG)
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	61004900	RASETA UNIV.1855-D-CAV
60000432	TORN.ARADO 2TET/934 14*40 10.9 ZINC.	61005900	RASETA UNIV.1855-I-CAV
61000051	ARAND.DIN-125 10 ZINC.	62000528	ANILLA PASADOR INOX-36x3 1,5V LUZ 5mm.
61000072	ARAND.DIN-125 300HV 10 ZINC.	64000054	REJA RASETA 1394-D-CAV
61001978	SOP.RASETAS SN D/76cm.(D/13)	64000056	REJA RASETA 1394-I-CAV
61001999	BULON D=12*120mm. REG.RASETAS	64000190	RASETA 1705-D-CAV BORO
61002913	BRAZO RASETA DCH.SN (D/13-AG)	64000191	RASETA 1705-I-CAV BORO
61002923	BRAZO RASETA DCH.SN 86cm.(D/13-AG)	64000613	RASETA MAIZ OVLAC-D BORO
61003913	BRAZO RASETA IZQD.SN (D/13-AG)	64000614	RASETA MAIZ OVLAC-I BORO



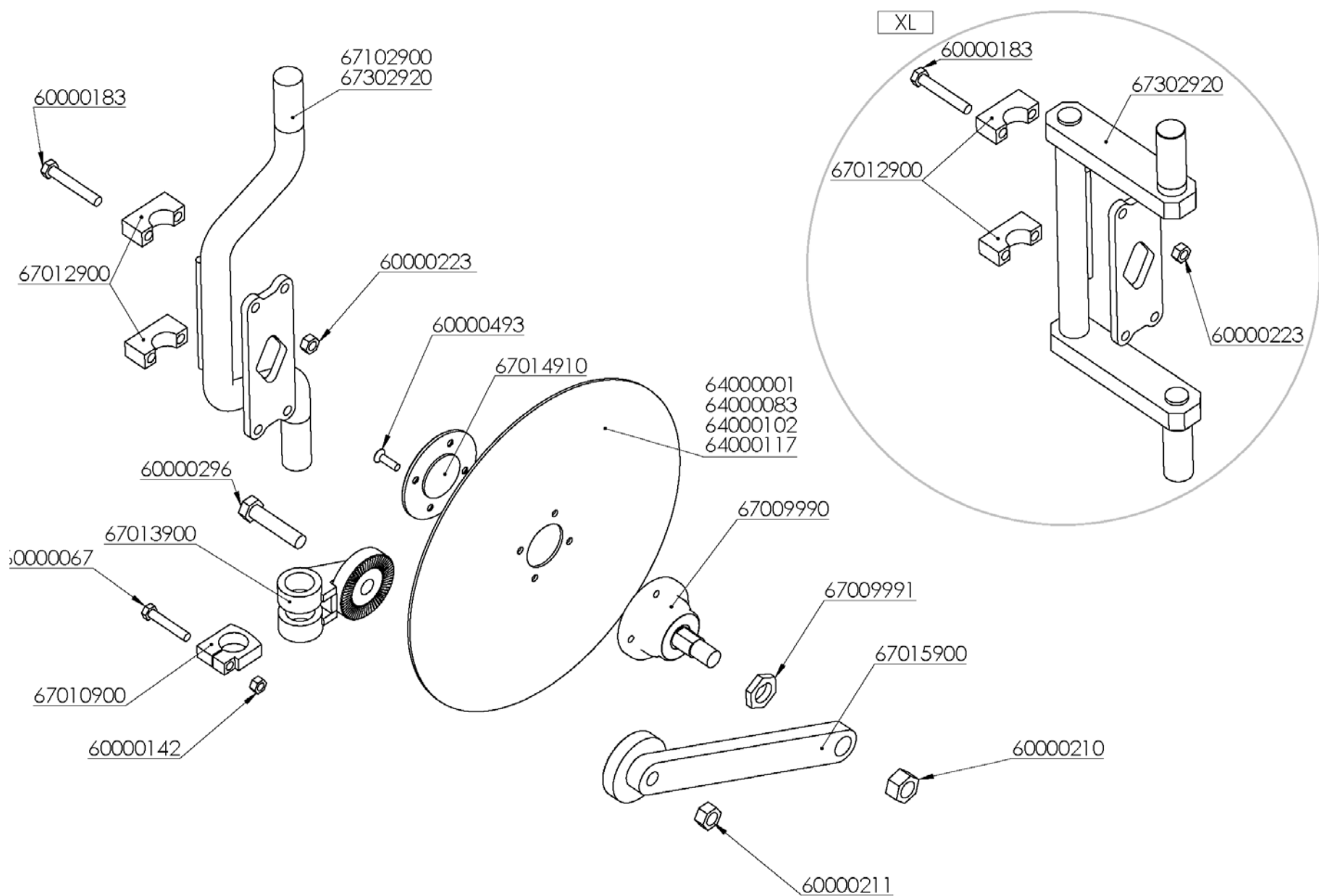


NON-STOP SKIMMERS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000037	TORN.ARADO 2TET/934 10*35 10.9 ZINC.	61003963	BRAZO RASETA SB/H-LVB/H IZQD.(D/13-AG)
60000213	TORN.ARADO 2TET/934 10*45 10.9 ZINC.	61003964	BRAZO RASETA SB/H-LVB/H IZQD.(LARGO-AG)
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	61004900	RASETA UNIV.1855-D-CAV
60000432	TORN.ARADO 2TET/934 14*40 10.9 ZINC.	61005900	RASETA UNIV.1855-I-CAV
61000051	ARAND.DIN-125 10 ZINC.	62000528	ANILLA PASADOR INOX-36x3 1,5V LUZ 5mm.
61000072	ARAND.DIN-125 300HV 10 ZINC.	64000054	REJA RASETA 1394-D-CAV
61001962	SOP.RASETAS LVH D/76 (D/13)	64000056	REJA RASETA 1394-I-CAV
61001963	SOP.RASETAS SBHN D/76cm.(D/13)	64000190	RASETA 1705-D-CAV BORO
61001999	BULON D=12*120mm. REG.RASETAS	64000191	RASETA 1705-I-CAV BORO
61002963	BRAZO RASETA SB/H-LVB/H DCH.(D/13-AG)	64000613	RASETA MAIZ OVLAC-D BORO
61002964	BRAZO RASETA SB/H-LVB/H DCH.(LARGO-AG)	64000614	RASETA MAIZ OVLAC-I BORO



DISCS 20' XPH

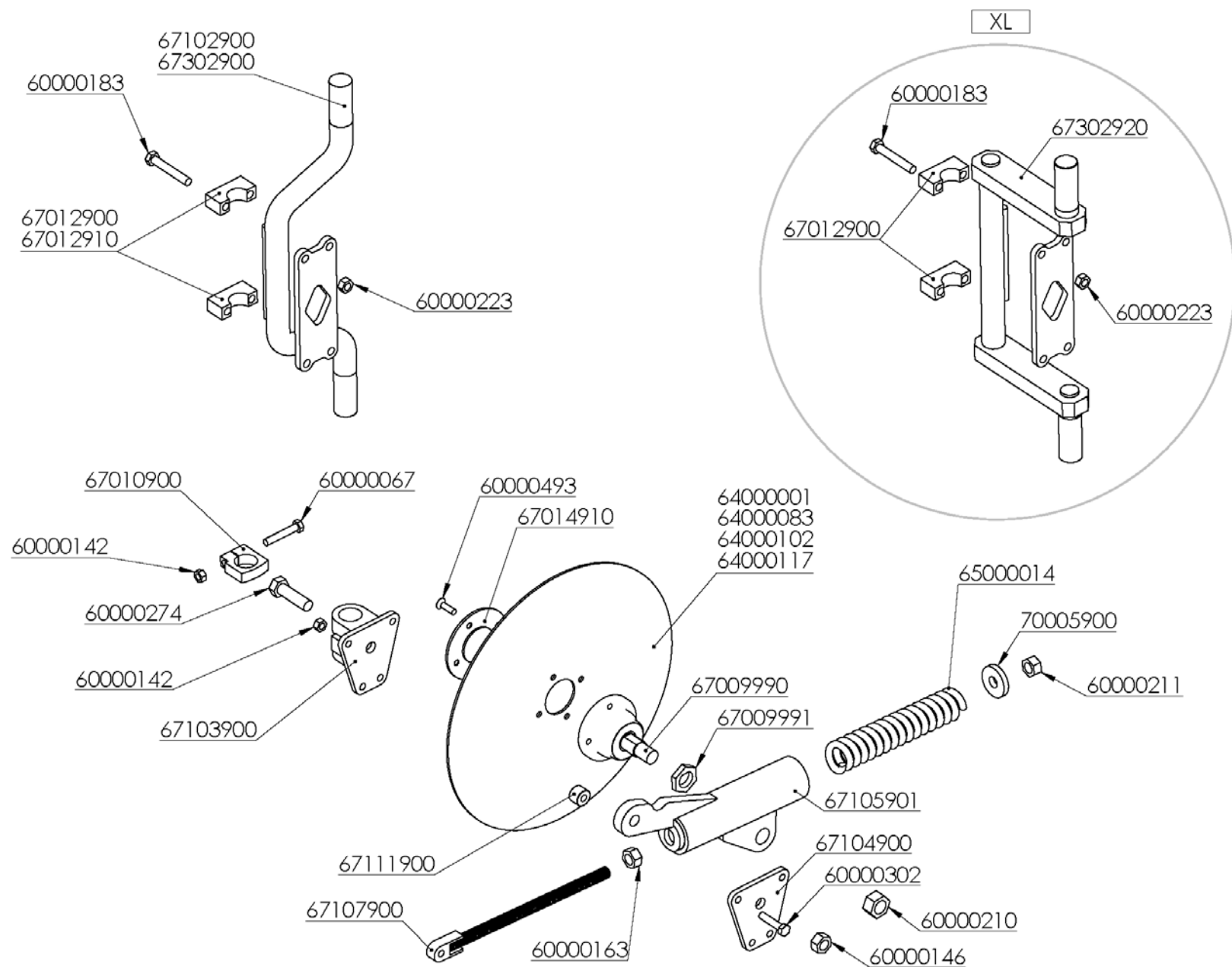


DISCS 20' XPH

REFERENCIA	DESCRIPCIÓN
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
60000183	TORN.EXAG.DIN-931 14* 90 8.8 ZINC.
60000210	TUER.AUTO.DIN-985 1" SAE 8.8
60000211	TUER.AUTO.DIN-985 20 8.8
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.
60000296	TORN.EXAG.DIN-931 20* 90 8.8 ZINC.
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68
64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
67009991	ARANDELA FRENO BUJE DISCOS
67010900	ABRAZ.REGULACION
67012900	ABRAZ.PRISION ZINC.
67013900	GIRO DISCOS NON-STOP
67014910	TAPA DISCOS (D/16)
67015900	BRAZO DISCOS 20"
67102900	MANIVELA DISCO SB/SH
67302920	MANIVELA LVB/H



DISCS 20' NON-STOP XPH

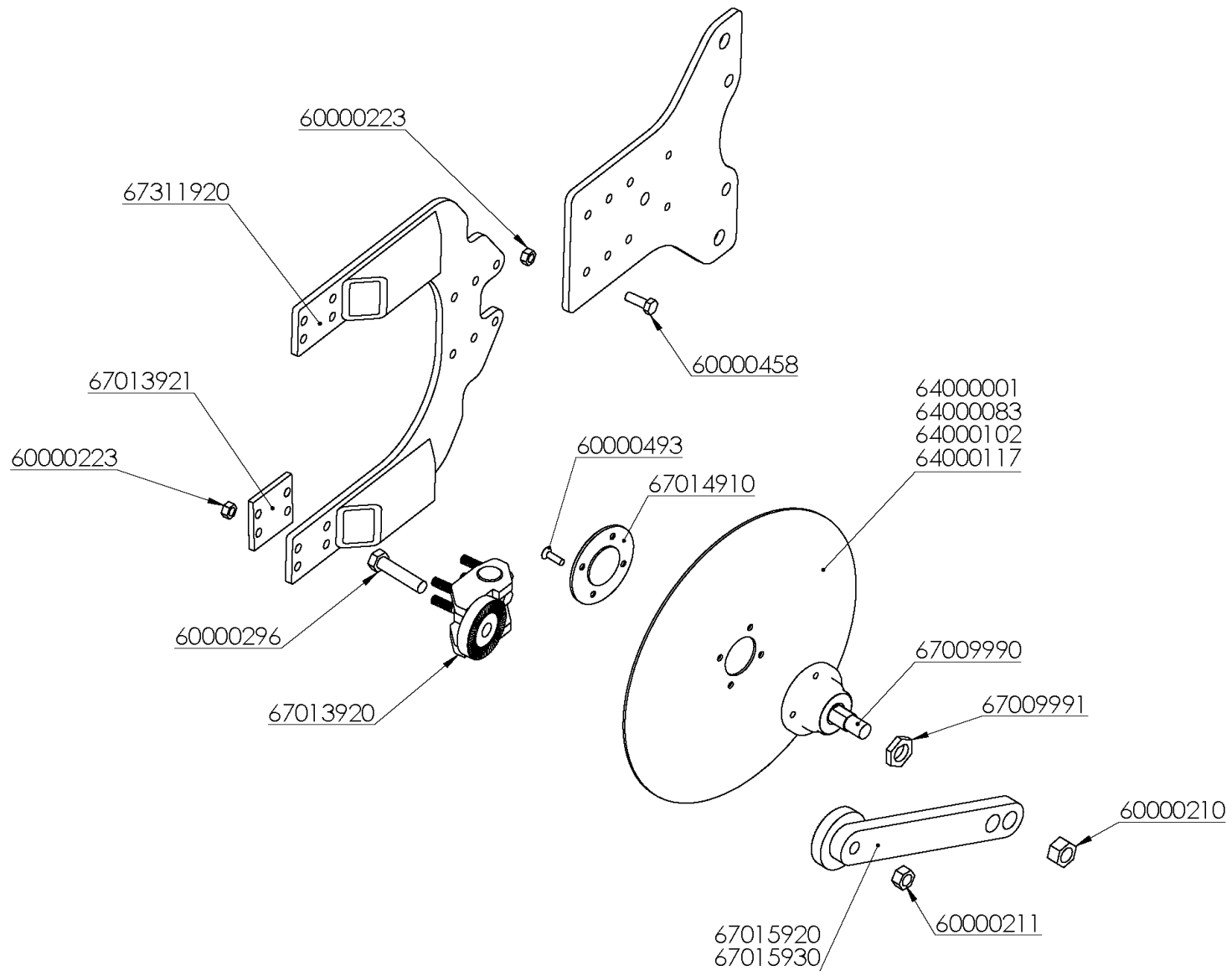


DISCS 20' NON-STOP XPH

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	67009991	ARANDELA FRENO BUJE DISCOS
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	67010900	ABRAZ.REGULACION
60000163	TUER.EXAG.DIN-934 20 8.8	67012900	ABRAZ.PRISION ZINC.
60000183	TORN.EXAG.DIN-931 14* 90 8.8 ZINC.	67012910	ABRAZ.PRISION D=32
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	67014910	TAPA DISCOS (D/16)
60000211	TUER.AUTO.DIN-985 20 8.8	67102900	MANIVELA DISCO SB/SH
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67103900	GIRO DISCOS NON-STOP
60000274	TORN.EXAG.DIN-931 20* 70 8.8 ZINC.	67104900	PLACA SOP.GIRO DISCOS NON-STOP
60000302	TORN.EXAG.DIN-931 12* 55 8.8	67105901	BRAZO DISCOS NON-STOP (D/16)
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.	67107900	CORREDERA MUELLE DISCOS NON-STOP
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68	67111900	CASQ.D= 30/12,5*21mm.SEP.SOP.DISCOS NON-STOP
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68	67302900	SEMI-MANIVELA CORTA
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68	67302920	MANIVELA LVB/H
64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68	70005900	ARAND.RFZO.D= 58*21 E-10mm.
65000014	MUELLE COMPR.CILIN.275*57*12 LUZ-5		



DISCS 20' XPF

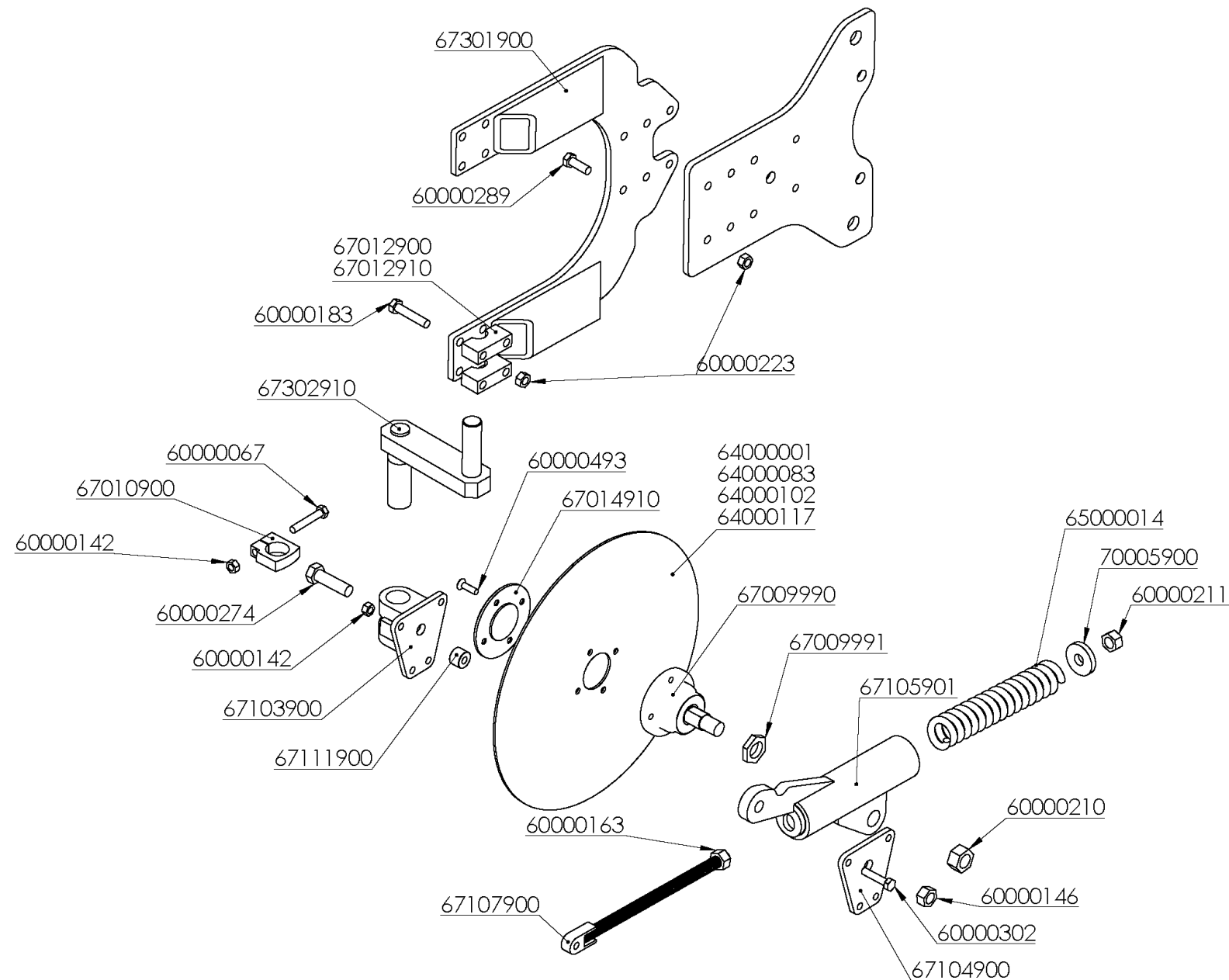


DISCS 20' XPF

REFERENCIA	DESCRIPCIÓN
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.
60000211	TUER.AUTO.DIN-985 20 8.8
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.
60000296	TORN.EXAG.DIN-931 20* 90 8.8 ZINC.
60000458	TORN.ARADO 2TET/934 14*55 10.9 ZINC.
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68
64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
67009991	ARANDELA FRENO BUJE DISCOS
67013920	SOP.GIRO DISCOS 20" RDA.AVZDA.
67013921	LLANTA CALZO DISCOS 20" RDA.AVZDA.
67014910	TAPA DISCOS (D/16)
67015920	BRAZO DISCOS 20" RDA.AVZD.D/76
67015930	BRAZO DISCOS 20" RDA.AVZD.D/86
67311920	SOP.DISCOS SFN RDA.AVANZADA



DISCS NON-STOP 20' XPF

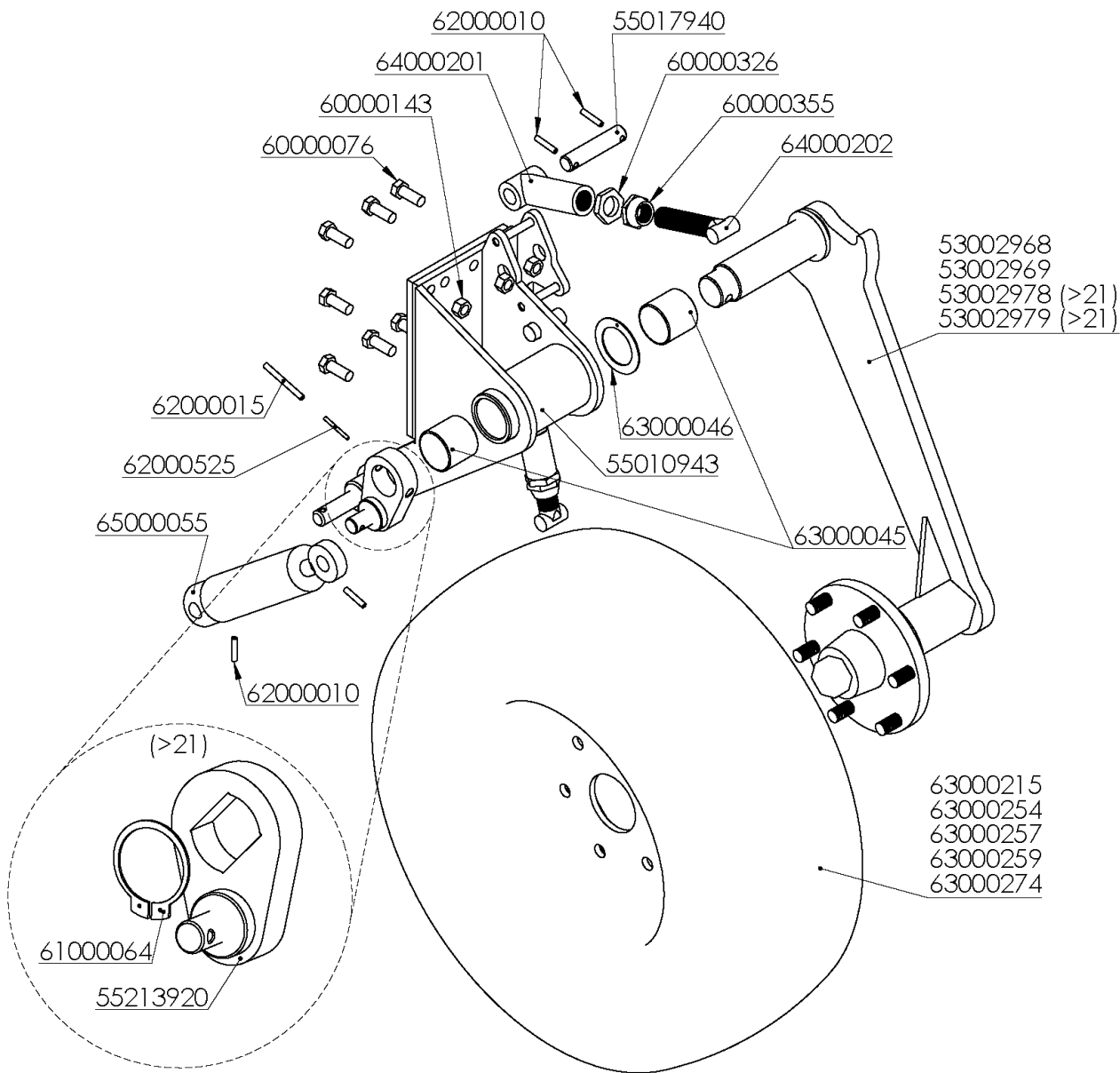


DISCS NON-STOP 20' XPF

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	65000014	MUELLE COMPR.CILIN.275*57*12 LUZ-5
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	67009991	ARANDELA FRENO BUJE DISCOS
60000163	TUER.EXAG.DIN-934 20 8.8	67010900	ABRAZ.REGULACION ZINCADA
60000183	TORN.EXAG.DIN-931 14* 90 8.8 ZINC.	67012900	ABRAZ.PRISION ZINC.
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	67012910	ABRAZ.PRISION D=32
60000211	TUER.AUTO.DIN-985 20 8.8	67014910	TAPA DISCOS (D/16)
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67103900	GIRO DISCOS NON-STOP
60000274	TORN.EXAG.DIN-931 20* 70 8.8 ZINC.	67104900	PLACA SOP.GIRO DISCOS NON-STOP
60000289	TORN.EXAG.DIN-931 14* 40 12.9 ZINC.	67105901	BRAZO DISCOS NON-STOP (D/16)
60000302	TORN.EXAG.DIN-931 12* 55 8.8	67107900	CORREDERA MUELLE DISCOS NON-STOP
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.	67111900	CASQ.D= 30/12,5*21mm.SEP.SOP.DISCOS NON-STOP
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68	67301900	BRAZO SOP.DISCOS 670mm.
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68	67302910	SEMI-MANIVELA LARGA
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68	70005900	ARAND.RFZO.D= 58*21 E-9,5mm.
64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68		



CONTROL WHEEL



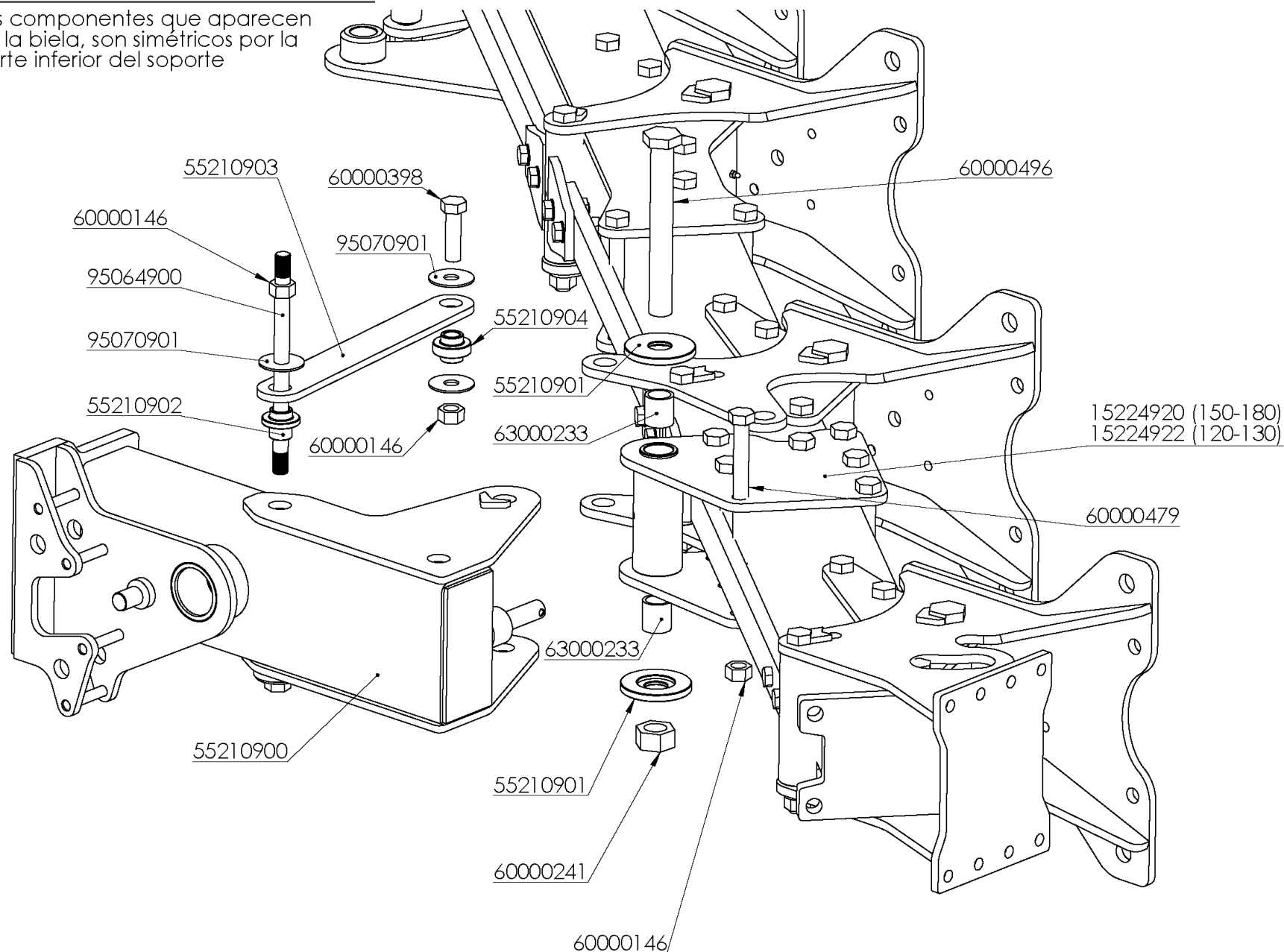
CONTROL WHEEL

53002968	BRAZO RDA.NEUM CONTROL TRASERA-9 (340/55) - PASAR	62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
53002969	BRAZO RDA.NEUM CONTROL TRASERA-5/6/7 - PASAR A 530	62000525	PASADOR ELAST.DIN-1481 14* 80
53002978	BRAZO RDA.NEUM CONTROL TRASERA 6 ESPARRAGOS	63000045	CASQ.FRICCION PAP 6060 P10
53002979	BRAZO RDA.NEUM CONTROL TRASERA 5 ESPARRAGOS	63000046	DISCO FRICCION PAW 62 P10
55010943	SOP.RDA.CONTROL-9 (D/20)	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
55017940	BULON D=25*116mm.TOPE RDA.C/T	63000254	R.N.C/ATAQUE 340/55-16" 13.0/55 TL 18PR AW702
55213920	EXCENTRICA RDA.C/T C/PLANO	63000257	R.N.C/ATAQUE 200/60*14,5"-10PR
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	63000259	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-7047
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	63000274	R.N.C/ATAQUE 280/70-16"-RADIAL 370-AGRISTAR
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
61000064	ANILLO ELASTICO DIN-471 60	65000055	AMORTIGUADOR C/ROT. 25/60/142
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.		



ADVANCED WHEEL ASSEMBLY

Los componentes que aparecen en la biela, son simétricos por la parte inferior del soporte

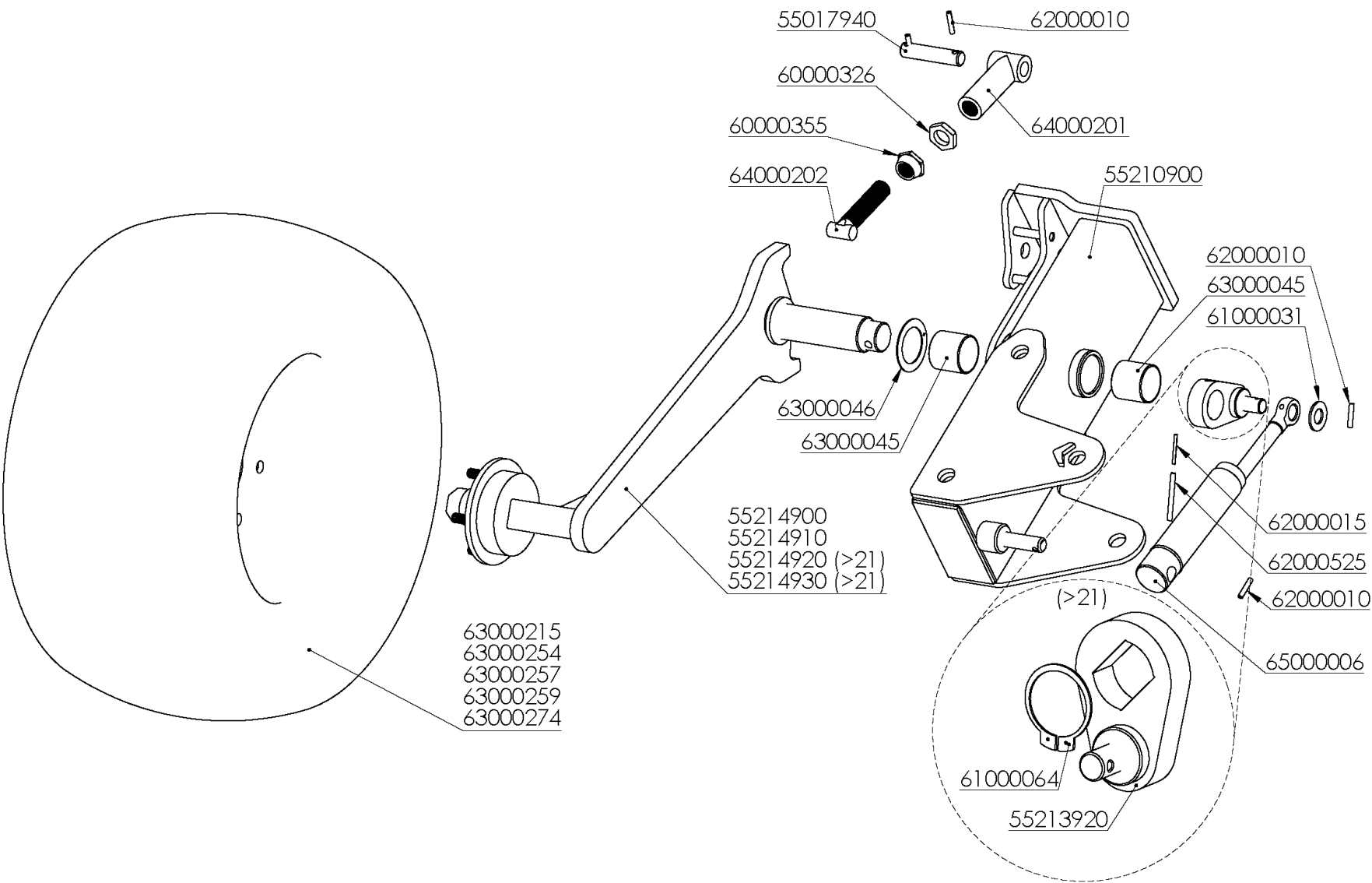


ADVANCED WHEEL ASSEMBLY

REFERENCIA	DESCRIPCIÓN
15224920	SOP.GIRO RDA.AVZD.150
15224922	SOP.GIRO RDA.AVZD.XP-120/130
55210900	SOP.RDA.AVZD.S (D/16)
55210901	ARAND.SOP.RDA AVZDA. (D/16)
55210902	CASQ.D= 29,7/20,5*39mm.RDA.AVZDA.(D/16)
55210903	BIELA SOP. RDA AVZDA. (D/16)
55210904	CASQ.D= 29,7/20,5*34mm.RDA.AVZDA.(D/16)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000241	TUER.AUTO.DIN-985 30/200 8.8 ZINC.
60000398	TORN.EXAG.DIN-931 20* 70 8.8 BAJO
60000479	TORN.EXAG.DIN-931 20*200 8.8 ZINC.
60000496	TORN.EXAG.C/LAR. 30*240 12.9
63000233	CASQ.FRICCION 38x30x40
95064900	TORNILLO EJE BIELA SS
95070901	ARAND.DIN-9021 20 CEMENTADA



ADVANCED CONTROL WHEEL

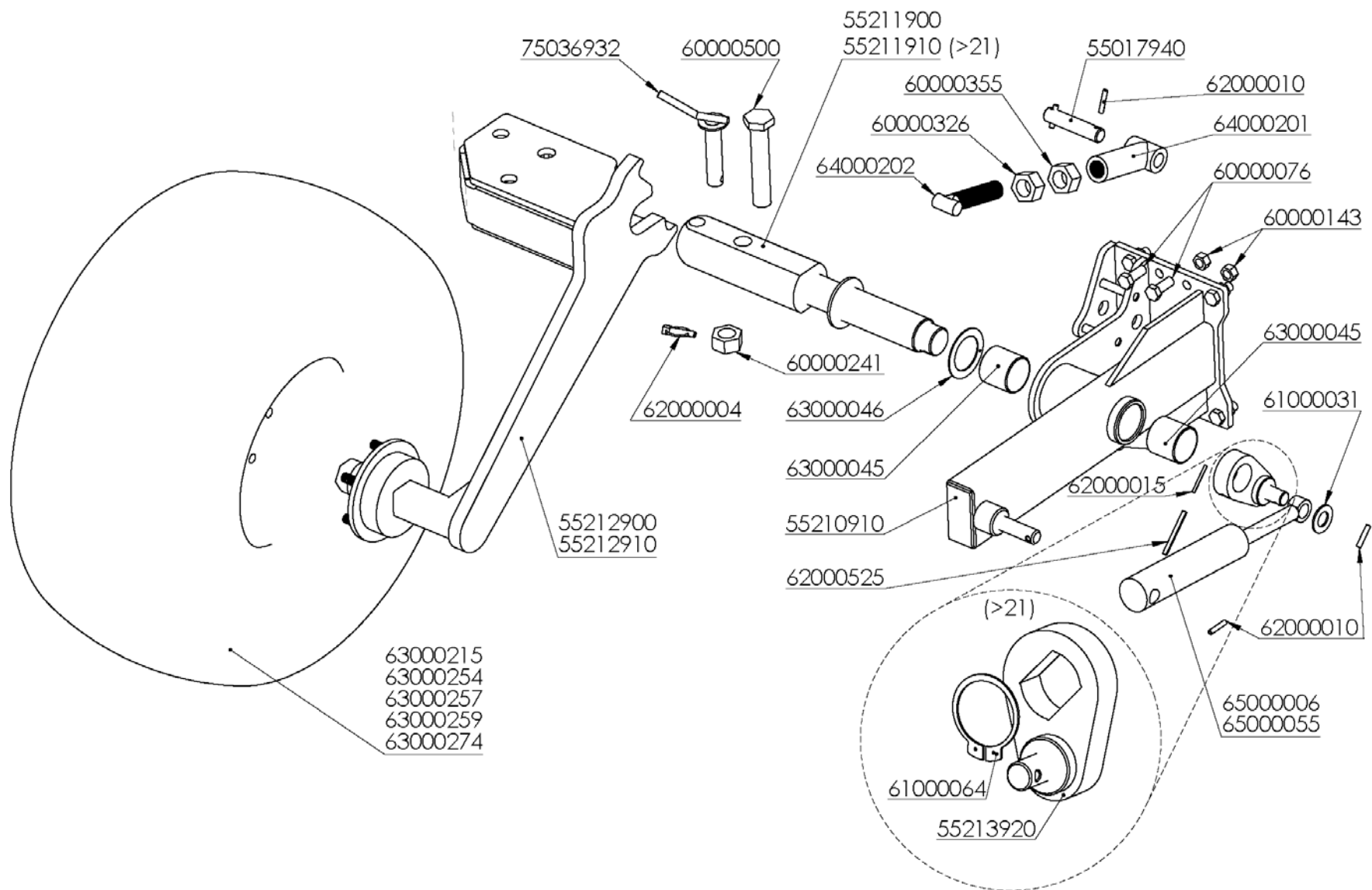


ADVANCED CONTROL WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
55017940	BULON D=25*116mm.TOPE RDA.C/T	62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
55210900	SOP.RDA.AVZD.XP (D/16)	62000525	PASADOR ELAST.DIN-1481 14* 80
55213920	EXCENTRICA RDA.C/T C/PLANO	63000045	CASQ.FRICCION PAP 6060 P10
55214900	BRAZO RDA.CONTROL -5,6,7 (D/16) - PASAR A 55214920	63000046	DISCO FRICCION PAW 62 P10
55214910	BRAZO RDA.CONTROL AVZD.-9 (D/18) - PASAR A 5521493	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
55214920	BRAZO RDA.CONTROL AVZD. 5 ESPARRAGOS	63000254	R.N.C/ATAQUE 340/55-16" 13.0/55 TL 18PR AW702
55214930	BRAZO RDA.CONTROL AVZD. 6 ESPARRAGOS	63000257	R.N.C/ATAQUE 200/60*14,5"-10PR
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	63000259	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-7047
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	63000274	R.N.C/ATAQUE 280/70-16"-RADIAL 370-AGRISTAR
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
61000064	ANILLO ELASTICO DIN-471 60	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.	65000006	AMORTIGUADOR C/ROT. 25/50/145



WHEEL "CT" TRANSPORT & CONTROL

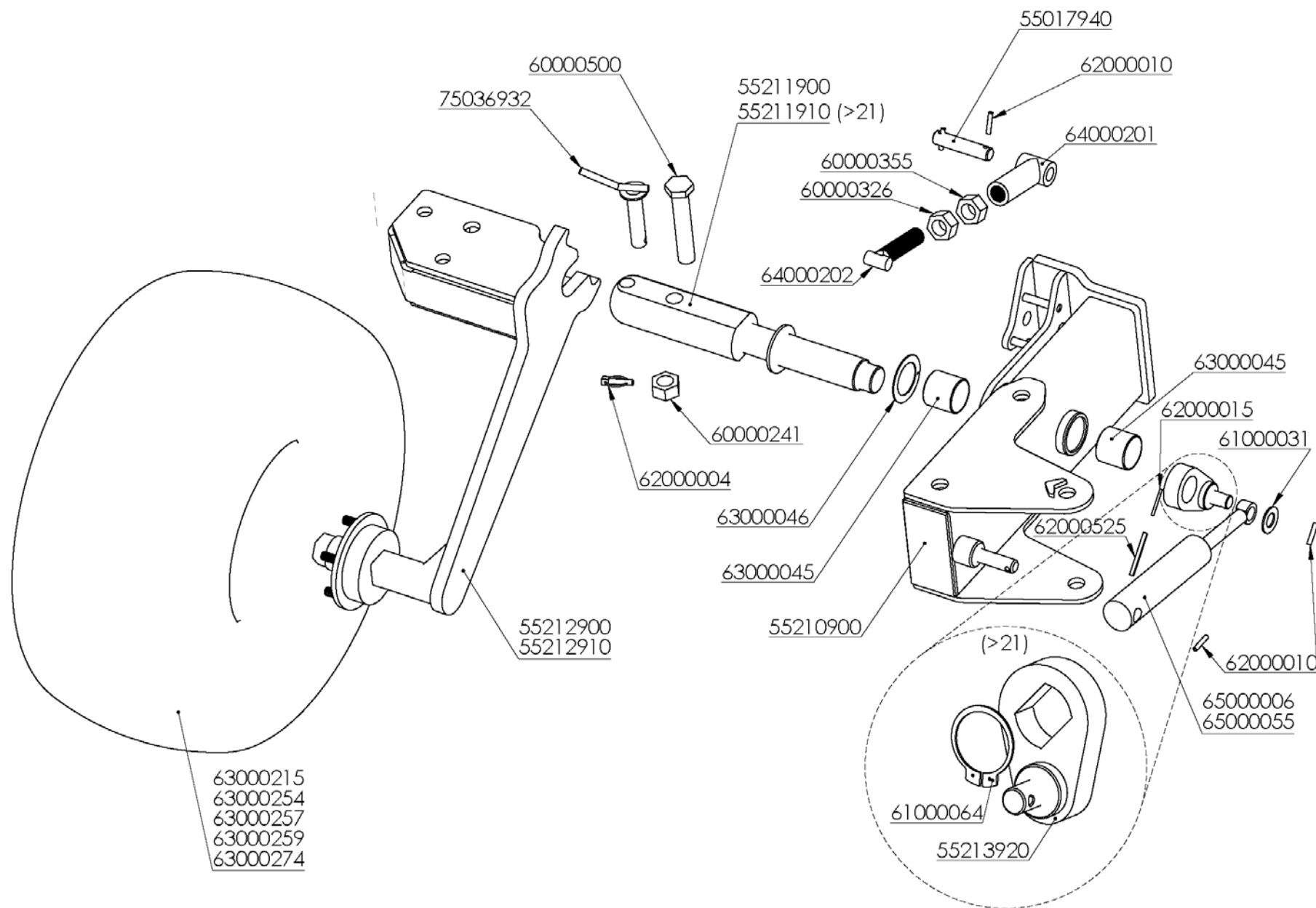


WHEEL "CT" TRANSPORT & CONTROL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
55017940	BULON D=25*116mm.TOPE RDA.C/T	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
55210910	SOP.RDA.C/T (D/16) - PASAR A 55210915	62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
55211900	EJE RDA.C/T (D/16) - NO COMPRAR (55211910)	62000525	PASADOR ELAST.DIN-1481 14* 80
55211910	EJE RDA.C/T (D/21)	63000045	CASQ.FRICCION PAP 6060 P10
55212900	BRAZO RDA.C/T AVZD. (D/16)	63000046	DISCO FRICCION PAW 62 P10
55212910	BRAZO RDA.C/T AVZD.340/55-16 (9) XP (D/18)	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
55213920	EXCENTRICA RDA.C/T C/PLANO	63000254	R.N.C/ATAQUE 340/55-16" 13.0/55 TL 18PR AW702
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	63000257	R.N.C/ATAQUE 200/60*14,5"-10PR
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	63000259	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-7047
60000241	TUER.AUTO.DIN-985 30/200 8.8 ZINC.	63000274	R.N.C/ATAQUE 280/70-16"-RADIAL 370-AGRISTAR
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
60000500	TORN.EXAG.C/LAR. 30/200x135 12.9 ZINC.(CAÑA 98mm.)	65000006	AMORTIGUADOR C/ROT. 25/50/145
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	65000055	AMORTIGUADOR C/ROT. 25/60/142
61000064	ANILLO ELASTICO DIN-471 60	75036932	BULON D=26,5*125mm.BRAZO VBC
62000004	PASADOR ANILLA 10 ZINC.		



ADVANCED WHEEL

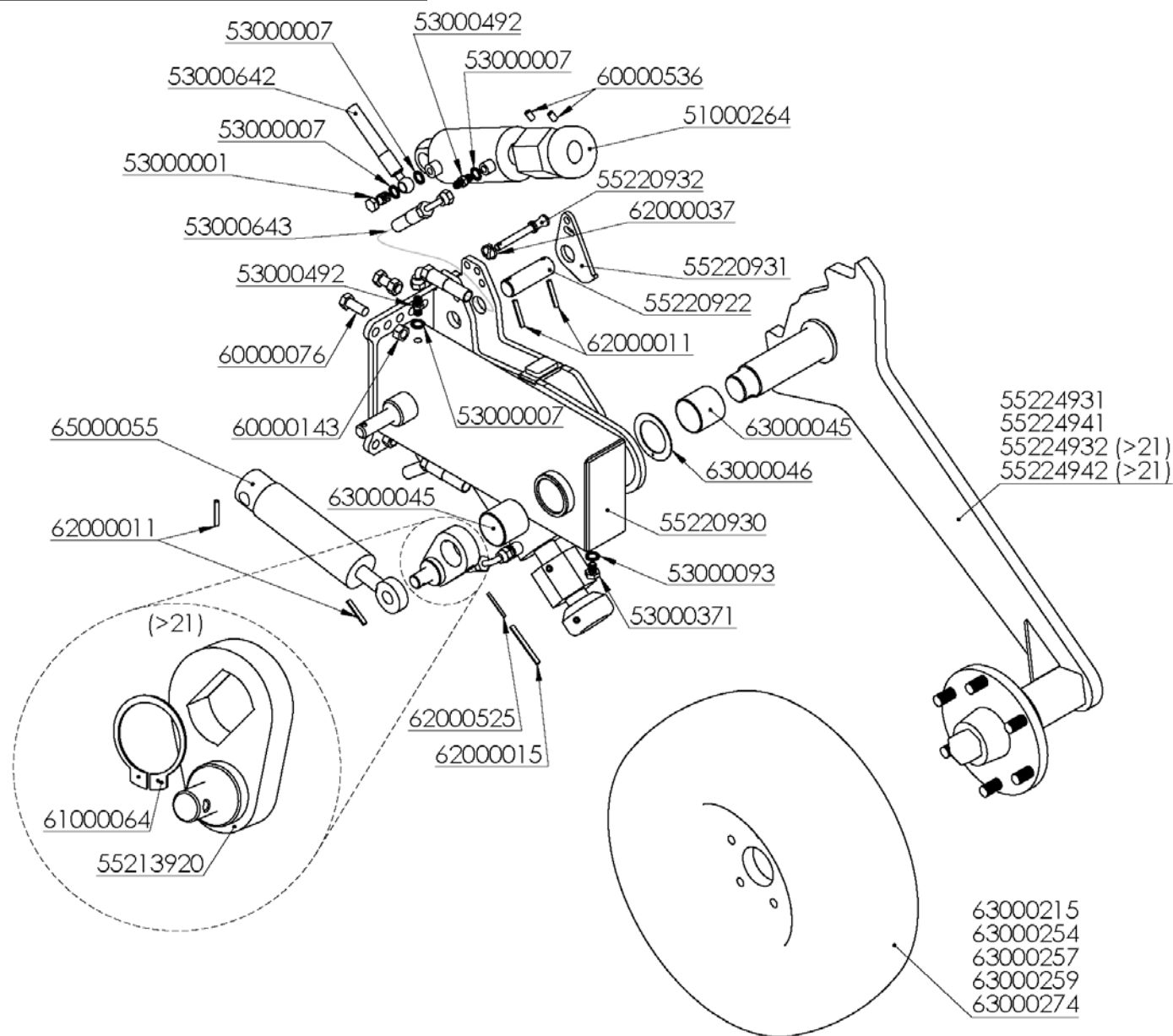


ADVANCED WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
55017940	BULON D=25*116mm.TOPE RDA.C/T	62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
55210900	SOP.RDA.AVZD.XP (D/16)	62000525	PASADOR ELAST.DIN-1481 14* 80
55211900	EJE RDA.C/T (D/16) - NO COMPRAR (55211910)	63000045	CASQ.FRICCION PAP 6060 P10
55211910	EJE RDA.C/T (D/21)	63000046	DISCO FRICCION PAW 62 P10
55212900	BRAZO RDA.C/T AVZD. (D/16)	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
55212910	BRAZO RDA.C/T AVZD.340/55-16 (9) XP (D/18)	63000254	R.N.C/ATAQUE 340/55-16" 13.0/55 TL 18PR AW702
55213920	EXCENTRICA RDA.C/T C/PLANO	63000257	R.N.C/ATAQUE 200/60*14,5"-10PR
60000241	TUER.AUTO.DIN-985 30/200 8.8 ZINC.	63000259	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-7047
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	63000274	R.N.C/ATAQUE 280/70-16"-RADIAL 370-AGRISTAR
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
60000500	TORN.EXAG.C/LAR. 30/200x135 12.9 ZINC.(CAÑA 98mm.)	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	65000006	AMORTIGUADOR C/ROT. 25/50/145
61000064	ANILLO ELASTICO DIN-471 60	65000055	AMORTIGUADOR C/ROT. 25/60/142
62000004	PASADOR ANILLA 10 ZINC.	75036932	BULON D=26,5*125mm.BRAZO VBC
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.		



HYDRAULIC REAR CONTROL WHEEL

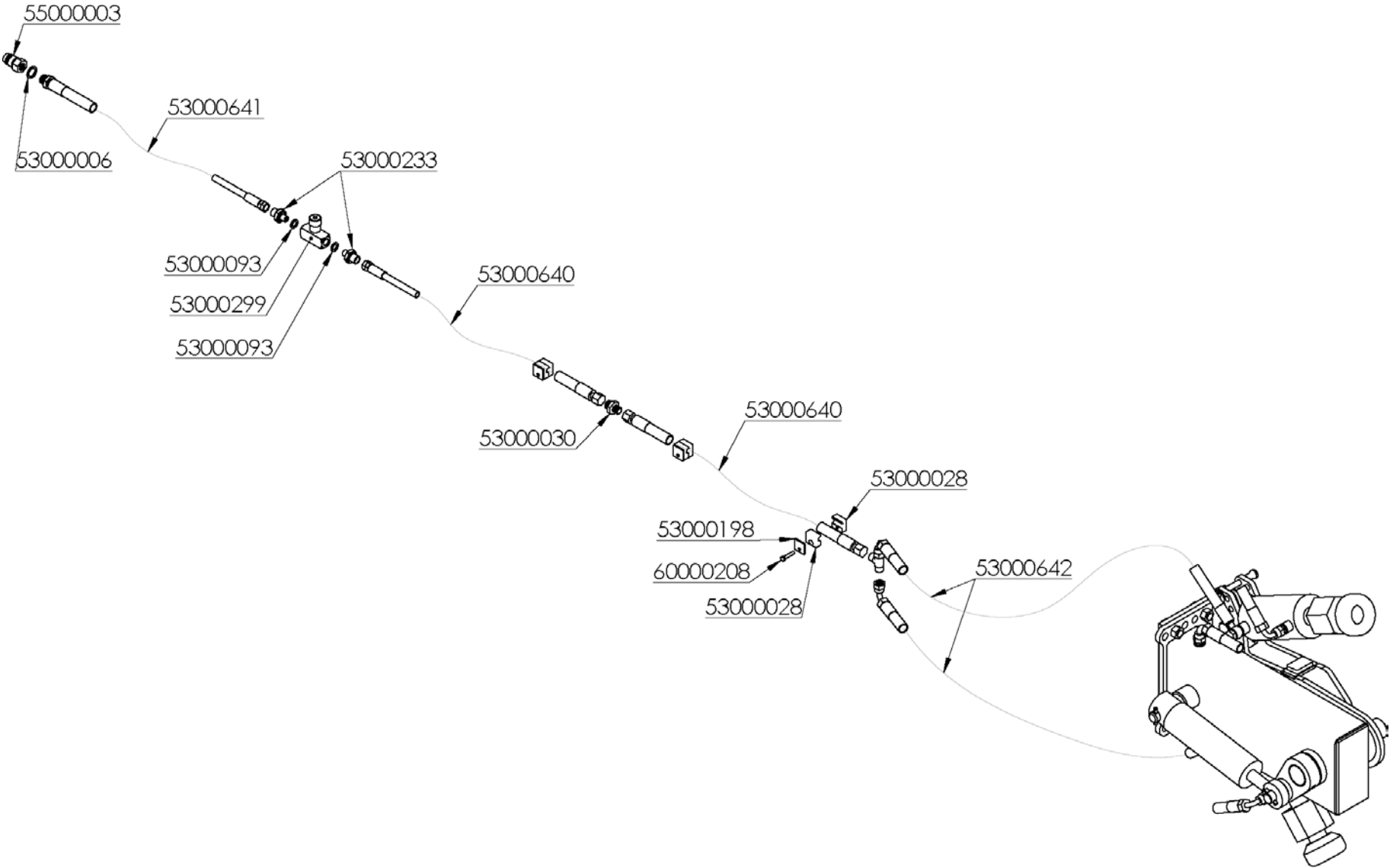


HYDRAULIC REAR CONTROL WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000264	CILIND.REG.RDA. 40/80/60	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
53000001	TORNILLO SIMPLE 3/8 4022	60000536	TORN.ALLEN DIN-913 10* 16 12.9
53000007	JUNTA METAL/GOMA 3/8" 11602	61000064	ANILLO ELASTICO DIN-471 60
53000093	JUNTA METAL GOMA 1/4 11601	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53000371	TAPON MACHO 1/4 S830-13	62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
53000492	UNION MACHO 1/4	62000037	PASADOR ANILLA 4,5 ZINC.
53000642	LATIG.PREMIER-1/4 800mm.OR-3/8/CTL-18	62000525	PASADOR ELAST.DIN-1481 14* 80
53000643	LATIG.PREMIER-1/4*200mm.CTL-1/4/CTL-1/4	63000045	CASQ.FRICCION PAP 6060 P10
55213920	EXCENTRICA RDA.C/T C/PLANO	63000046	DISCO FRICCION PAW 62 P10
55220922	BULON D=32*104mm.CILIND.RDA.HID.DK	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
55220930	SOP.RDA.HIDRÁULICA TRASERA DK-2P	63000254	R.N.C/ATAQUE 340/55-16" 13.0/55 TL 18PR AW702
55220931	LEVA TOPE CILIND.RDA.HIDR.DK-2P	63000257	R.N.C/ATAQUE 200/60*14,5"-10PR
55220932	BULON LEVA RDA.HID.DK-2P	63000259	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-7047
55224931	BRAZO SIM.RDA.CONTROL HID.DK-2P	63000274	R.N.C/ATAQUE 280/70-16"-RADIAL 370-AGRISTAR
55224941	BRAZO SIM.RDA.CONTROL HID.(280/70)	65000055	AMORTIGUADOR C/ROT. 25/60/142
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.		



HYDRAULIC SYSTEM REAR CONTROL HYDRAULIC WHEEL



HYDRAULIC SYSTEM REAR CONTROL HYDRAULIC WHEEL

REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603
53000028	ABRAZ.SIMPLE D=12mm. 112PP
53000030	UNION TUBO/TUBO 12mm. G12-L
53000093	JUNTA METAL GOMA 1/4 11601
53000198	PLACA RFZO.AB.SIMPLE 12 DP1
53000233	UNION MACHO BSP 12-1/4 GE12-L1/4
53000299	REGULADOR CAUDAL POMO UNID.1/4 9F400S
53000640	LATIG.R7-04 930mm.TL-18/TL-18
53000641	LATIG.R7-04 4350mm.TL-1/4 / /MF-1/2
53000642	LATIG.PREMIER-1/4 800mm.OR-3/8/CTL-18
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000208	TORN.EXAG.DIN-933 6* 30 8.8 ZINC.





Polígono Industrial, C/ TAF, P163
34200 - Venta de Baños
Palencia - España



+34 979 76 10 11



comercial@ovlac.com



www.ovlac.com