

SERIES S / L

SF-SB-SH-LF-LB-LH

REV 2021



INSTRUCTIONS & SPARE PARTS LIST

CONGRATULATIONS!

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 VERSATILL, is designed for tilling the soil, applied to a Tractor with lifting gear and universal three-point 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.



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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.



(Fig.1) **WARNING**

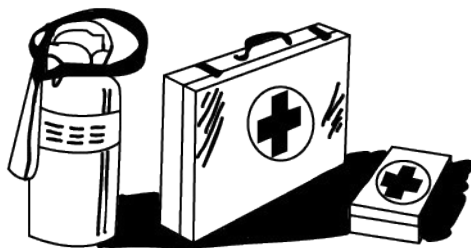
Before starting to work, read the instructions in the manual.

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.



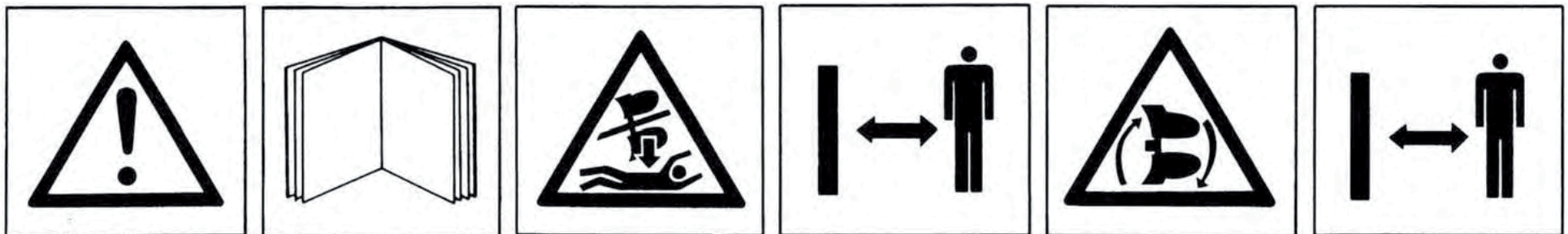
To be ready in case of an emergency

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.

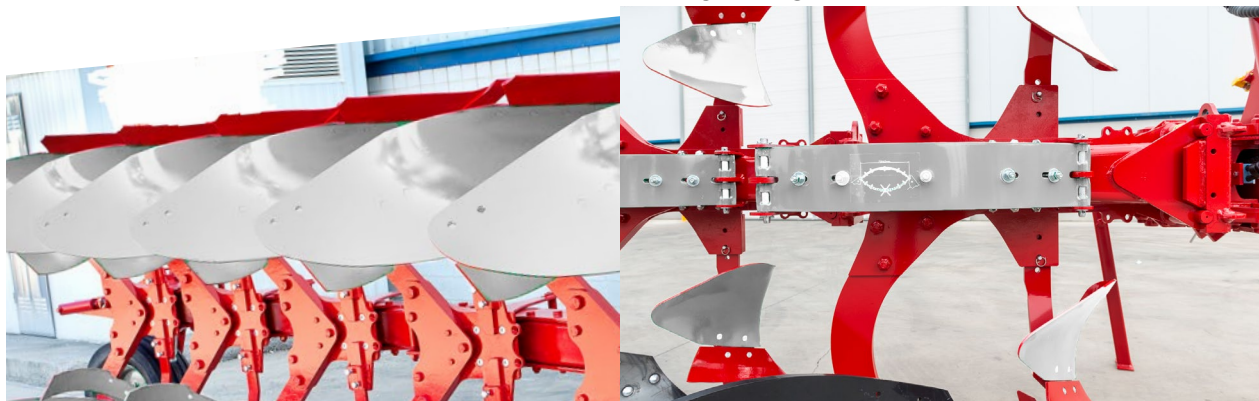
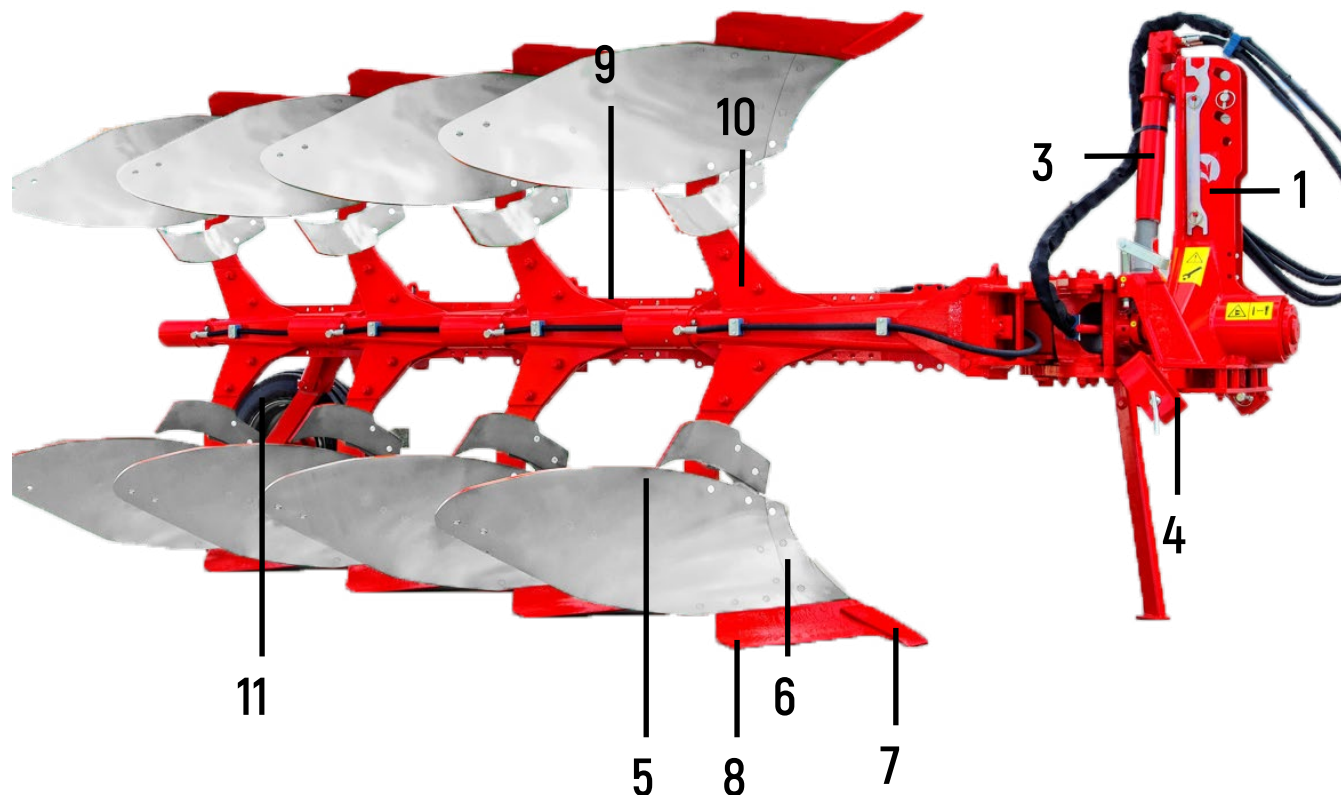


2.- Description and Technical Data

1. HEADSTOCK
2. IDENTIFICATION PLATE*
3. TURNING CYLINDER
4. OSCILLATING SHAFT
5. SKIMMER
6. SKIMMER SUPPLEMENT
7. SHARE POINT
8. SHARE
9. FRAME
10. LEG
11. CONTROL WHEEL

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

L MODELS	100	120	130	150
Interbody distance	85/95 cm (standard or choose) and 105 cm (optional) > 105 cm unavailable in some models (see more below)			
Underbeam clearance	72 cm or 78 cm (standard or choose) 90 in option for LF 120/130 and 150			
Working width	14, 16, 18 and 20"			
Frame	110x110x8 mm	100x150x8 mm	100x150x8 mm	150x150x8 mm

S MODELS	100	120	130	150
Interbody distance	85/95 cm (standard or choose) and 105 cm (optional) > 105 cm unavailable in some models (see more below)			
Underbeam clearance	72 cm or 78 cm (standard or choose) 90 in option for SF 120/130 and 150			
Working width	12" - 20"			
Frame	110x110x8 mm	100x150x8 mm	100x150x8 mm	150x150x8 mm



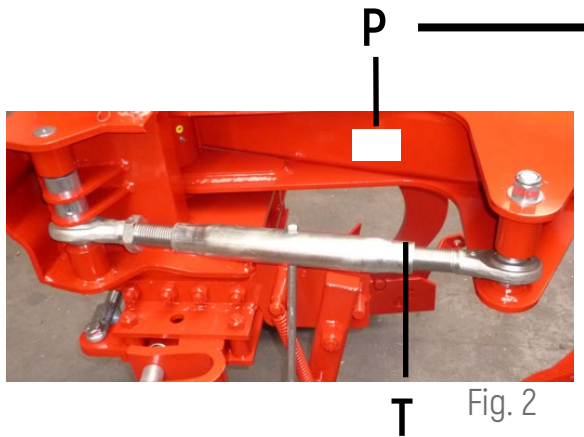
3.- Varilabor

In the OVLAC plough series L models the working width can be adjusted up to the needs of the buyer, 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. 1). After changing the working width of the plough, you must regulate the landslide extension of the plough through the tensor (T) by adjusting the working measure as the sticker P indicates (Fig. 2).

Series S 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 20" (50 cm) in a single operation, even moving, acting over the hydraulic opening system from the tractor's cabin through the cylinder A (Fig. 3).

If you have acquired the mechanic opening system as an option, you may do this same operation, acting over the tensor T (Fig. 2).

If the plough doesn't have oscillating shaft you must adjust the drift through the tensor B (Fig.3). The indicator signs the working width selected. The possibility of modifying the selected working width. The possibility of modifying the width of the furrow allows for the furrow to adapt the plough to the terrain' conditions and the tractor's power.

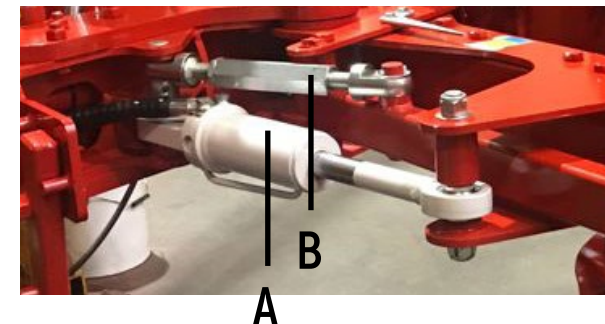


REGULATING THE OPENING (TENSOR LENGTH)

Series of plough // Position	1	2	3	4
LIGHT SERIES LV-LVB-LVH-FF	664	645	626	608
SERIES 120 / 150 LF-LB-LH	675	652	630	608



Fig. 3



4.- Security Systems

Shearbolt security systems warrantee protections 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. 4)

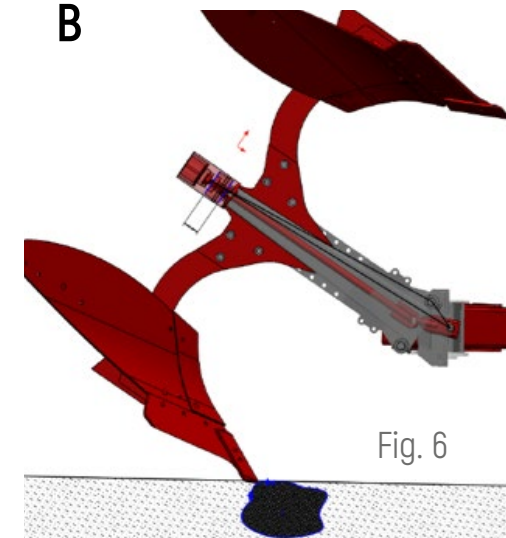
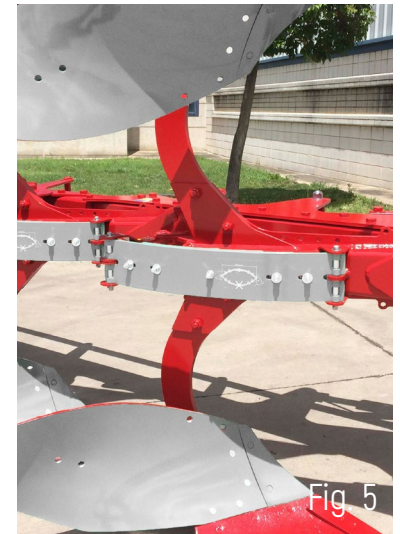
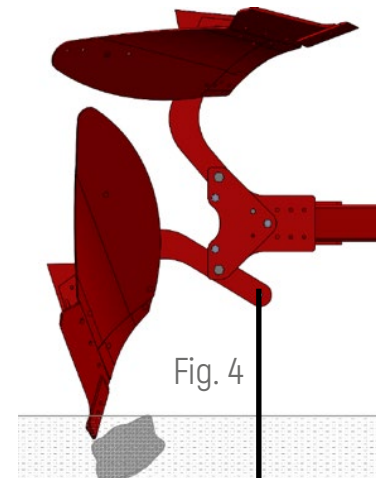
WARNING: Use only original shearbolts. Other kind of bolts will not offer the same resistance, which can result in malfunctioning and therefore cancellation of the warranty.

NOTE: size and quality of the shearbolts is calculated for them to break at a determined pressure. Is essential 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. 5)

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.6) in order to read the pressure in the pressure gauge.
- Open the key L (Fig.6).
- 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.

In the leafspring Models SB and LB: At very hard soils conditions, the leafspring may incorporate an extra leaf in order to ease the penetration of the soil.

Any case, the leafspring string that determinate the leafspring, must always have a length of 700 ± 2 mm. (Fig.7).

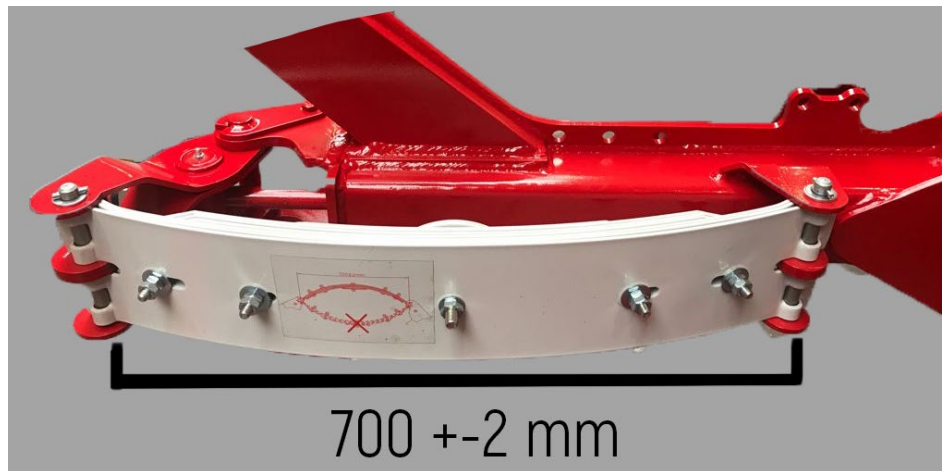


Fig. 7

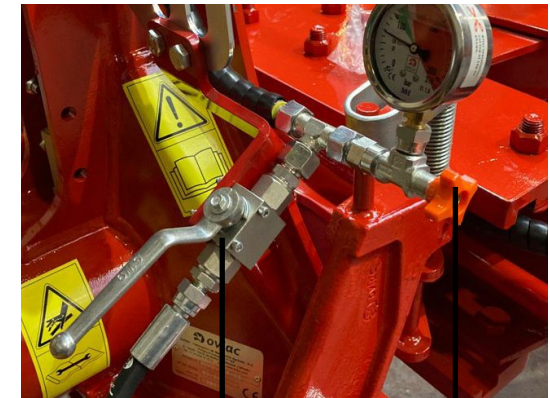


Fig. 8

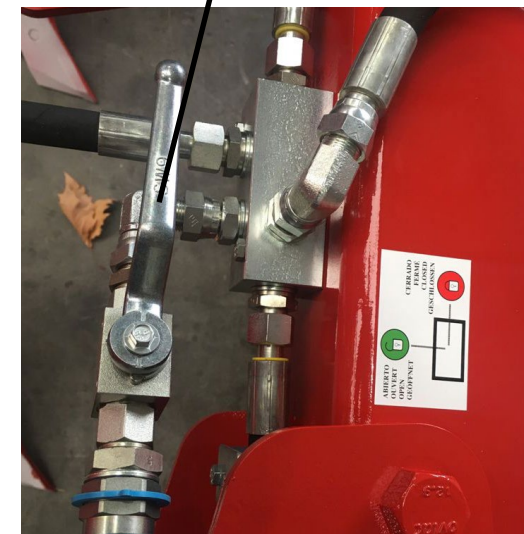


Fig. 9

5.- Turn Up

5.1 - Adapptating 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 to converge at the center of the front axis, as displayed in the figure (Fig. 10).

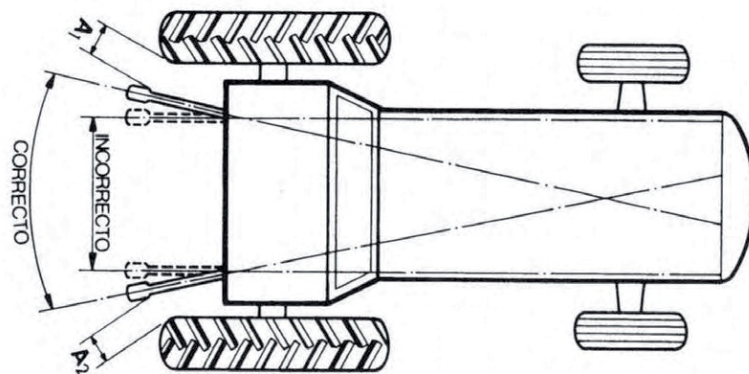


Fig. 10

5.2 - 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 figure (Fig. 6). If said distances doesn't match, adjust them through the pulling C and the Bolts D and D'. (Fig. 8 and 9)

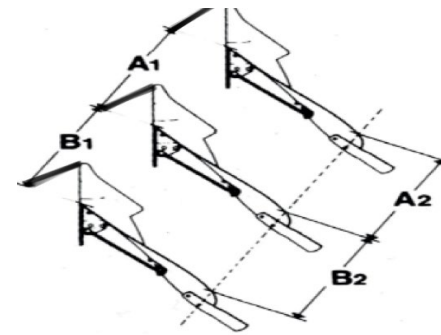


Fig. 11

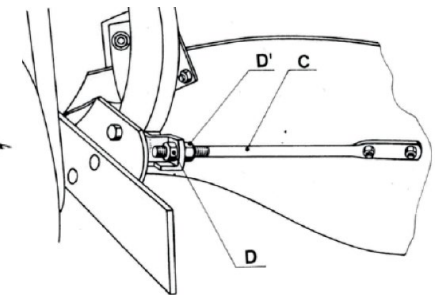


Fig. 12



5.3 - Alignement

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. 7, page 11). 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. 11) 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. 10).

The third point (EXCEPT TRACTORS WHOSE CONTROL IS ON THE THIRD POINT) must always link the drill E (Fig. 10) trying that its length doesn't stop its free movement throughout the whole labor.

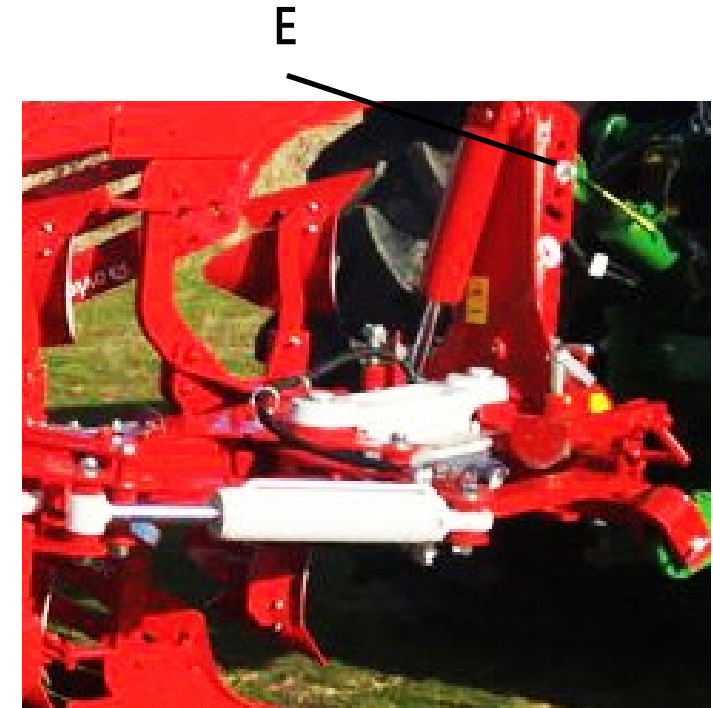


Fig. 13



Fig. 14



5.4 - First furrow width

The first furrow width is adjusted acting over the tensor T that displays the headstock (Fig. 15) in a way that verifies the observations described in Fig.17.

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. 20) 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).



Fig. 15

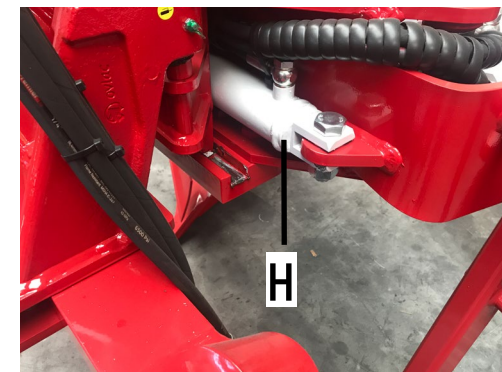
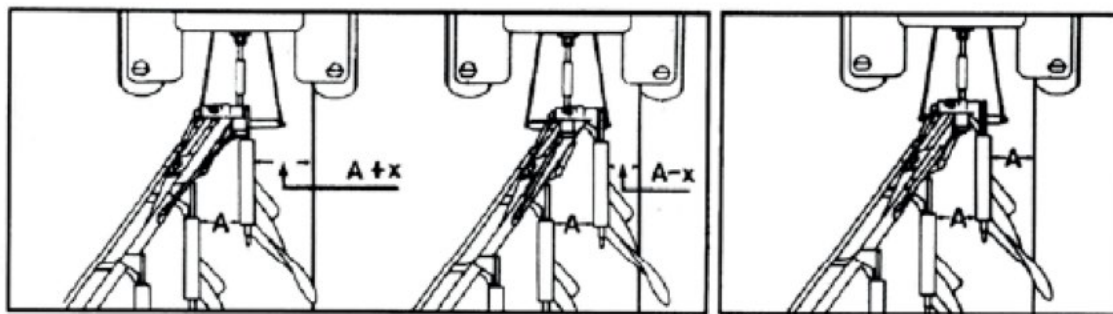


Fig. 16



Incorrecto / Wrong / Incorrect

Correcto / Right / Correct

Fig. 17



5.5 - 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. 15).

For the same reason, you must check (while laboring) that the anchors adopt a perpendicular position to the ground (Fig. 16). 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. 17).

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.

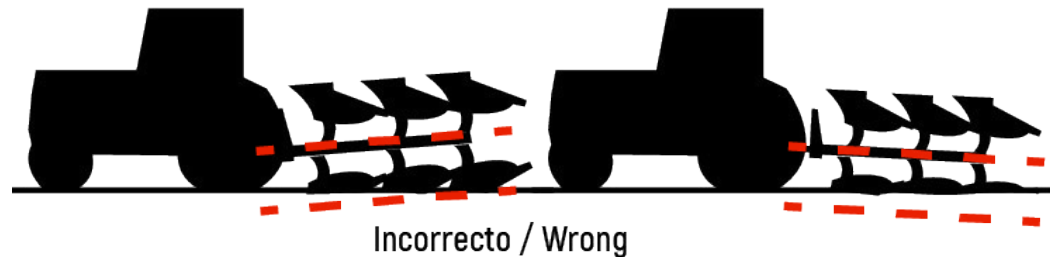
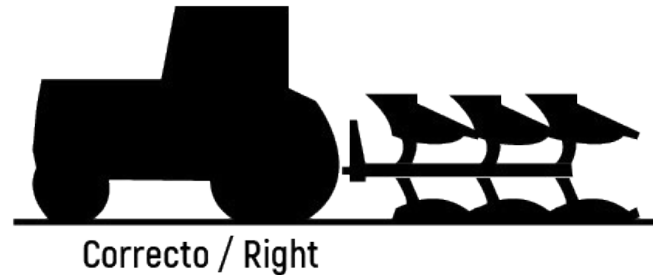


Fig. 18

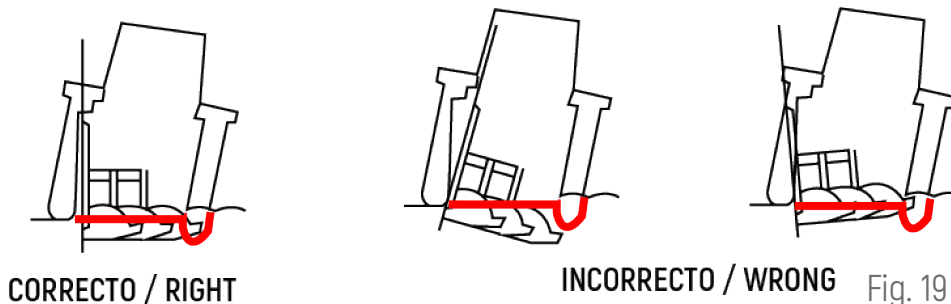


Fig. 20



6.- 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. 18) which height is regulated through the threaded tops A, as the figure 19 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.



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.

Fig. 21

10 = 1,2 cm

Fig. 22

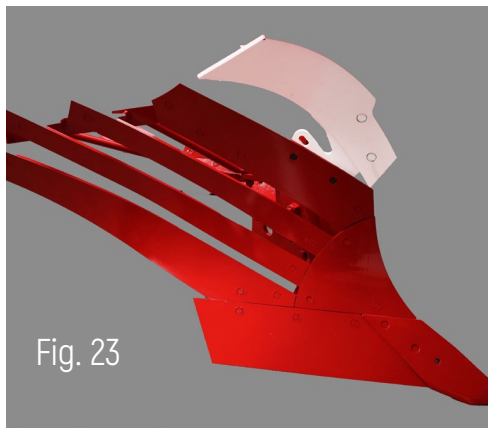


7.- Wastes burial

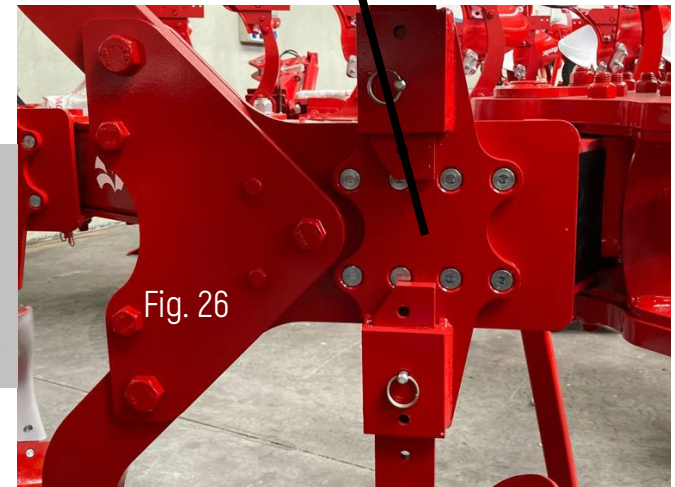
For an optimal burial of harvesting leftovers and weeds we can equip the plough with trashboards (Fig. 23) or the skimmers (Fig. 24). The trashboard can be regulated in height according to the working depth, moving it along the bracket slide.

The skimmers must be adapted to the working depth, acting over the bolts that support it. As a reference, the share of the skimmer must dig in 10-12 cm in the labor.

At the same time, in order to adapt the skimmer to different textures of the terrain and working speeds we may set them in 2 positions (advanced or rear) turning 180 degrees the bracket S(Fig. 25 and 26)



S



8.- Transporte y estacionamiento

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 of the bolt B (Fig. 28). Pull the puller A of the blocking headstock (Fig 27) so when the plough turns over it remains blocked in mid-turning position and block the oscillating shaft with D bolts(Fig.28). Place the plough's wheel and unplug the tine on the third point of the headstock.

The support pawn (Fig.29), assure an static position of the plough on the parking.

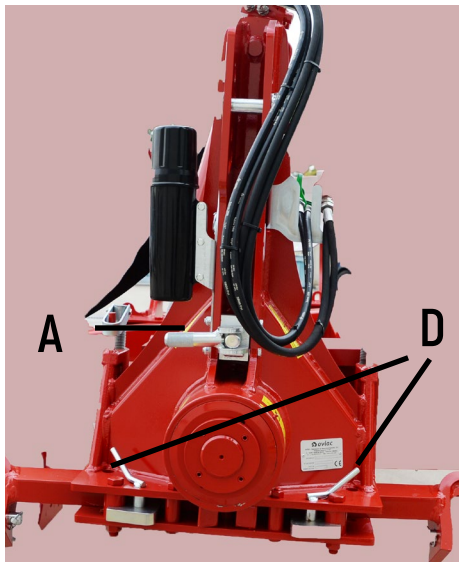


Fig. 27



Fig. 28



Fig. 29



9.- Maintenance

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

Lubing: must grease regularly the turning points based on the conditions of the ambiantal conditions, both dust and humidity, to assure that no waste of the machine happens. In the reversible ploughs it's 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 proccedures 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, feets, and clothes always afar 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 traileed equipment, disconnecting the group of cables from the tractor before doing any wielding 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 leak. 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.



10.- Optional gear

The series L and S Ovlac' ploughs can be equipped with:

1. Trashholder (Fig. 20)
2. Landslide extension (Fig. 21)
3. Transport wheel (Fig. 22)
4. Discs (Fig. 23)
5. Advanced wheel (Fig. 24)
6. Hydraulic adjustment of 1st body width (Fig. 25)
7. Advanced transport wheel (Fig.26)
8. Skimmers (Fig. 27)

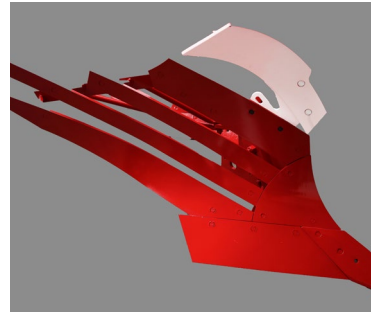


Fig. 20



Fig. 25



Fig. 22



Fig. 24



Fig. 26



Fig. 21



Fig. 23



Fig. 27



11.- 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 though the power limit stated on the technical data sheet, or abnormal maneuvers are made.





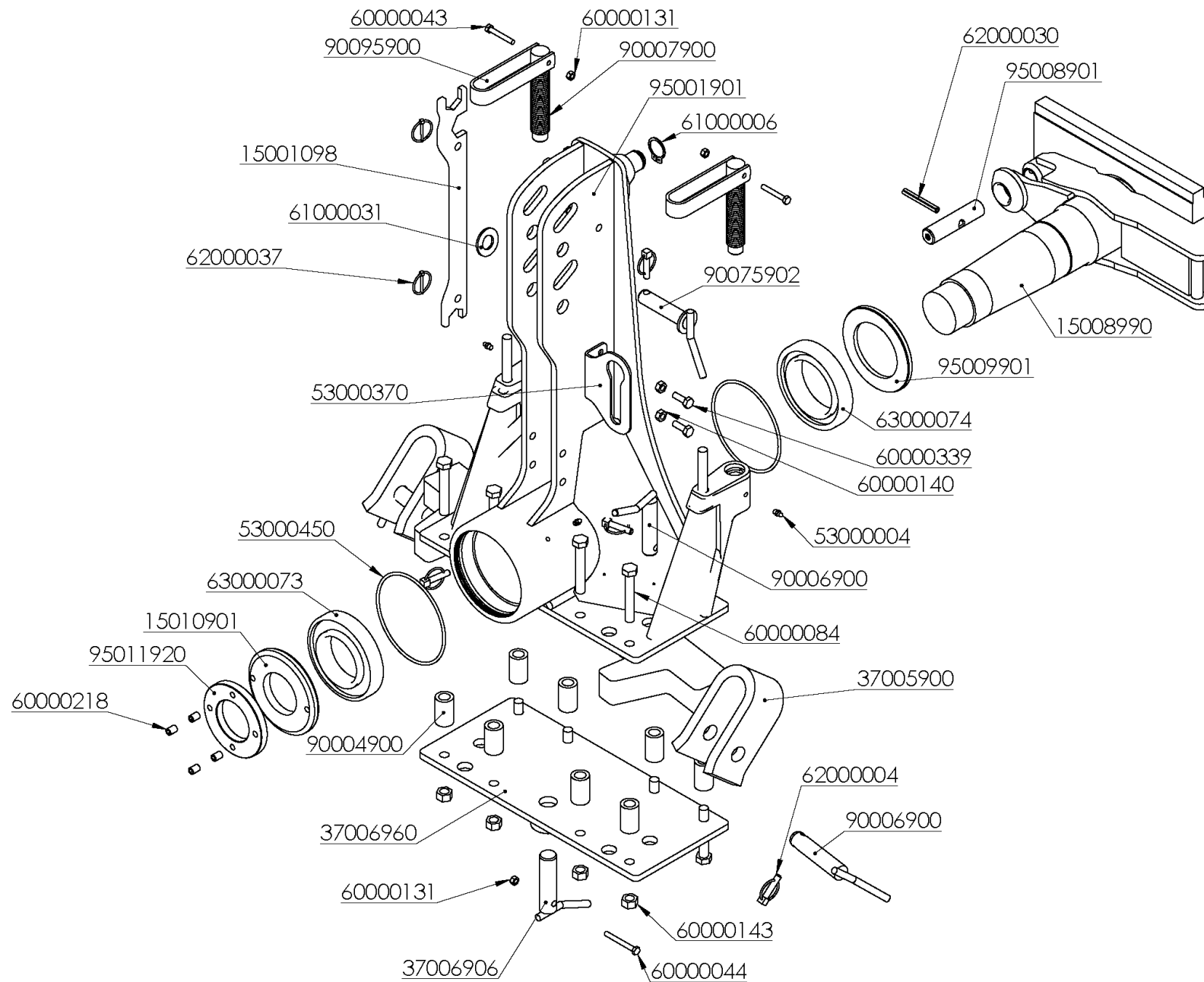
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HEADSTOCK 120

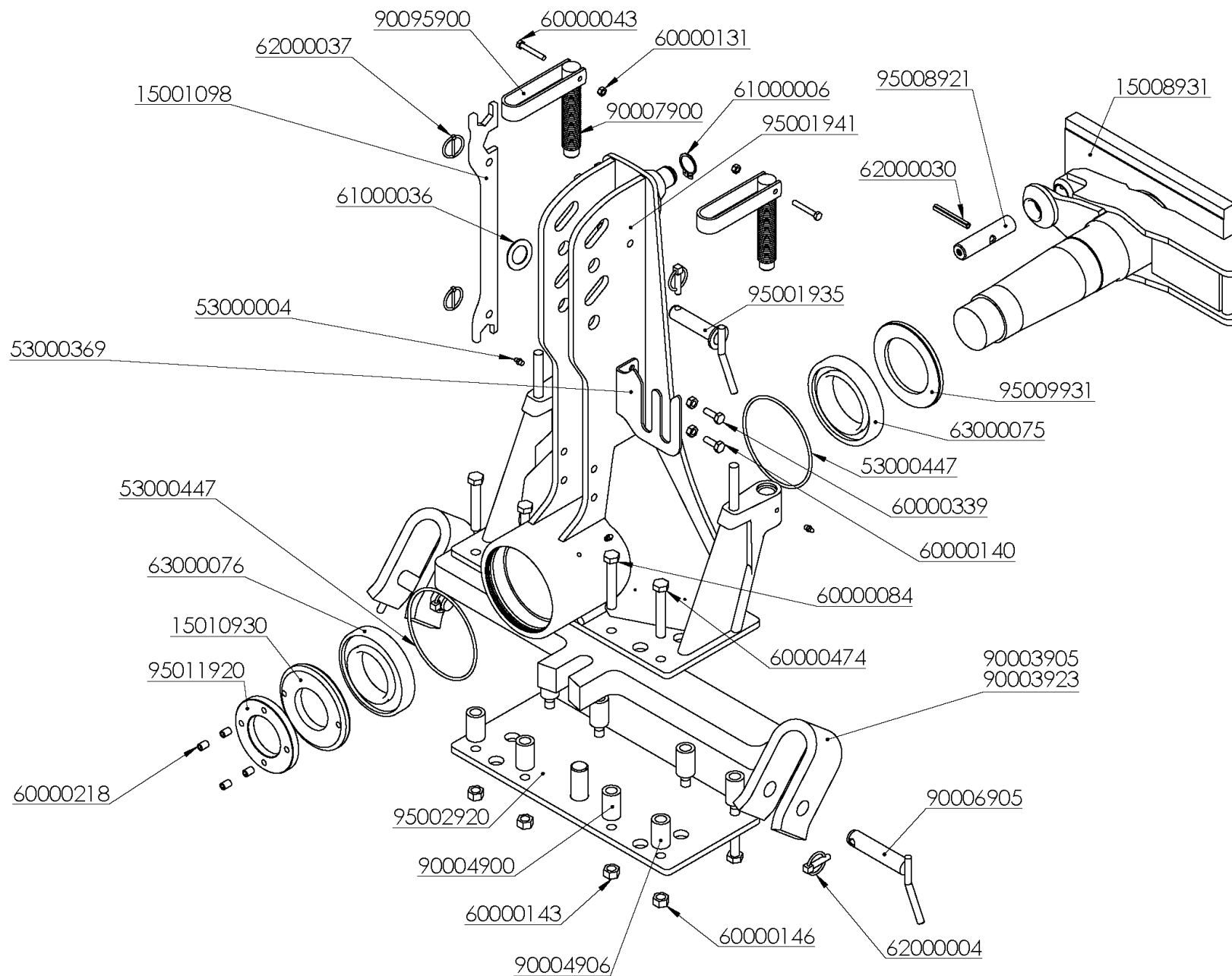


HEADSTOCK 120

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001098	LLAVE 32-38	61000006	ANILLO ELASTICO DIN-471 35
15008990	EJE CABEZAL 120 (D/06)	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
15010901	TUERCA EJE CABEZAL 120 (D/06)	62000004	PASADOR ANILLA 10 ZINC.
37005900	BALANC.50mm.MR CAT.II	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
37006906	BULON BALANCIN D=30*115mm.MR-6	62000037	PASADOR ANILLA 4,5 ZINC.
37006960	PLACA PORTABALANC.MR-6	63000073	RODAM.ANTER.30218 F (C-120/D-03)
53000004	ENGRASADOR AC° DIN-71412 8*125	63000074	RODAM.POST.32021 XF (C-120/D-03)
53000370	SOPORTE LATIG.TORRETA 1 HUECO ZINC.	90004900	SEP.B.P.32/20* 52,5mm.
53000450	JUNTA TORICA 160-3	90006900	BULON D=28*130mm.BALANC.CAT.II ZINC.
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	90006900	BULON D=28*130mm.BALANC.CAT.II ZINC.
60000044	TORN.EXAG.DIN-931 8* 70 8.8 ZINC.	90007900	HUSILLO TOPE 185mm.
60000084	TORN.EXAG.DIN-931 16*100 8.8	90075902	BULON D=25*110mm.3er.PTO.CAT.II ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	90095900	MANILLA TOPE ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	95001901	CABEZAL 120 (D/O4)
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	95008901	BULON D=29,6*123mm.INF.VOLTEO 110(D/07)/120
60000218	TORN.ALLEN DIN-913 12* 16 12.9	95009901	ARAND.POST.120 (D/03)
60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150



HEADSTOCK 130

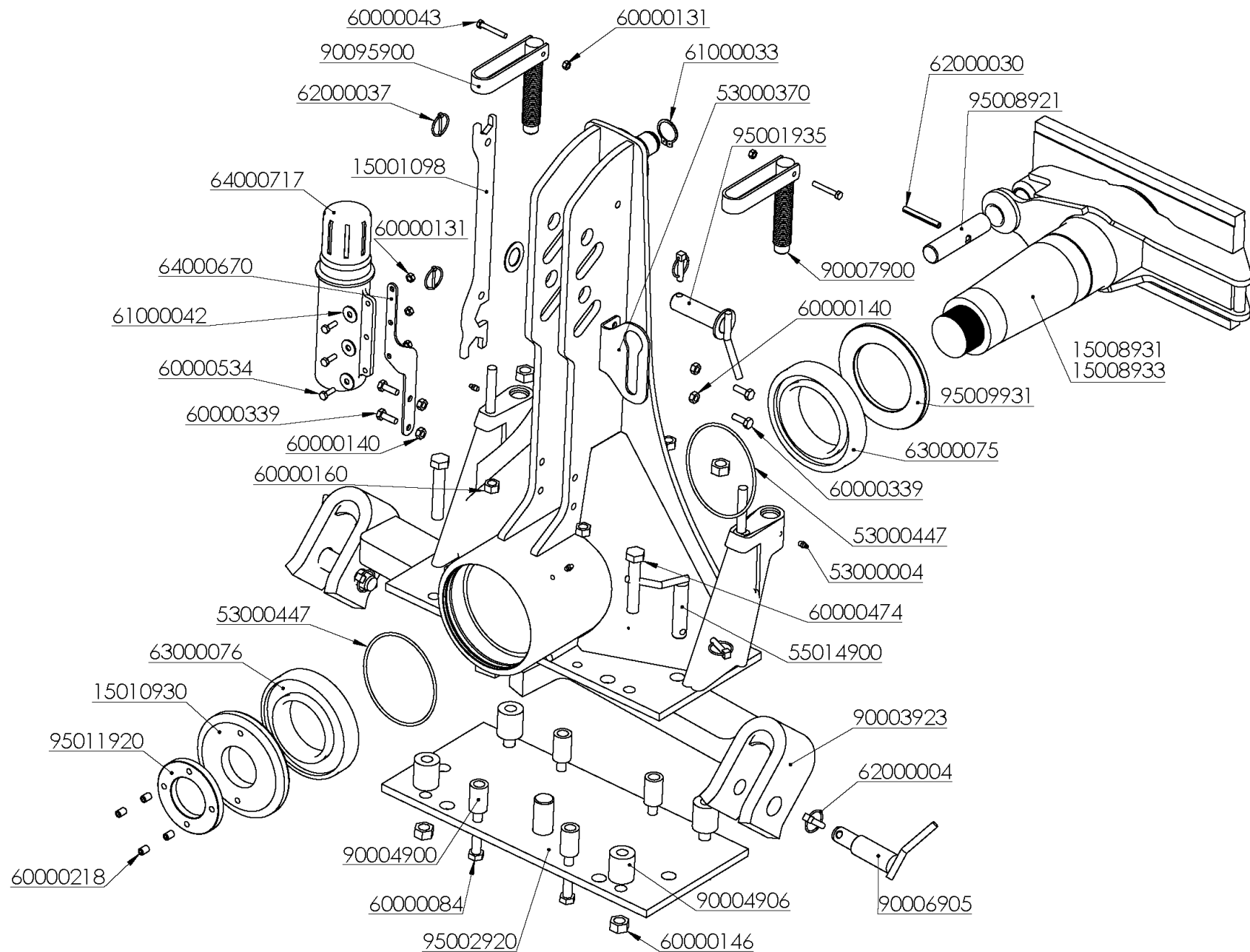


HEADSTOCK 130

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001098	LLAVE 32-38	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
15010930	TUERCA EJE CABEZAL 150 (D/06)	62000037	PASADOR ANILLA 4,5 ZINC.
53000004	ENGRASADOR AC° DIN-71412 8*125	63000075	RODAM.POST.32026 F (C-150)
53000369	SOPORTE LATIG.TORRETA 2 HUECOS ZINC.	63000076	RODAM.ANTER.30222 F (C-150)
53000447	JUNTA TORICA 200-3 NBR	90003905	BALANC.50mm.PENTAS.CAT-II/III
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	90003923	BALANC.50mm.PENTAS.CAT.III
60000084	TORN.EXAG.DIN-931 16*100 8.8	90004900	SEP.B.P.32/20* 52,5mm.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	90004906	CASQ.D= 45/20,5*52mm.SEP.BALANC.PENTAS.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	90006905	BULON D=36/28*140mm.BALANC.CAT.III ZINC.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	90007900	HUSILLO TOPE 185mm.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	90075900	BULON D=32/25*130mm.3er.PTO.PENT.CAT.III (H/9-02)
60000218	TORN.ALLEN DIN-913 12* 16 12.9	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)
61000006	ANILLO ELASTICO DIN-471 35	95008921	BULON D=34,6*147mm.INF.VOLTEO PENT.(D/02)
61000036	ARAND.ESTANDAR-A 32 ZINC.	95009931	ARAND.POST.150
62000004	PASADOR ANILLA 10 ZINC.	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150



HEADSTOCK 150

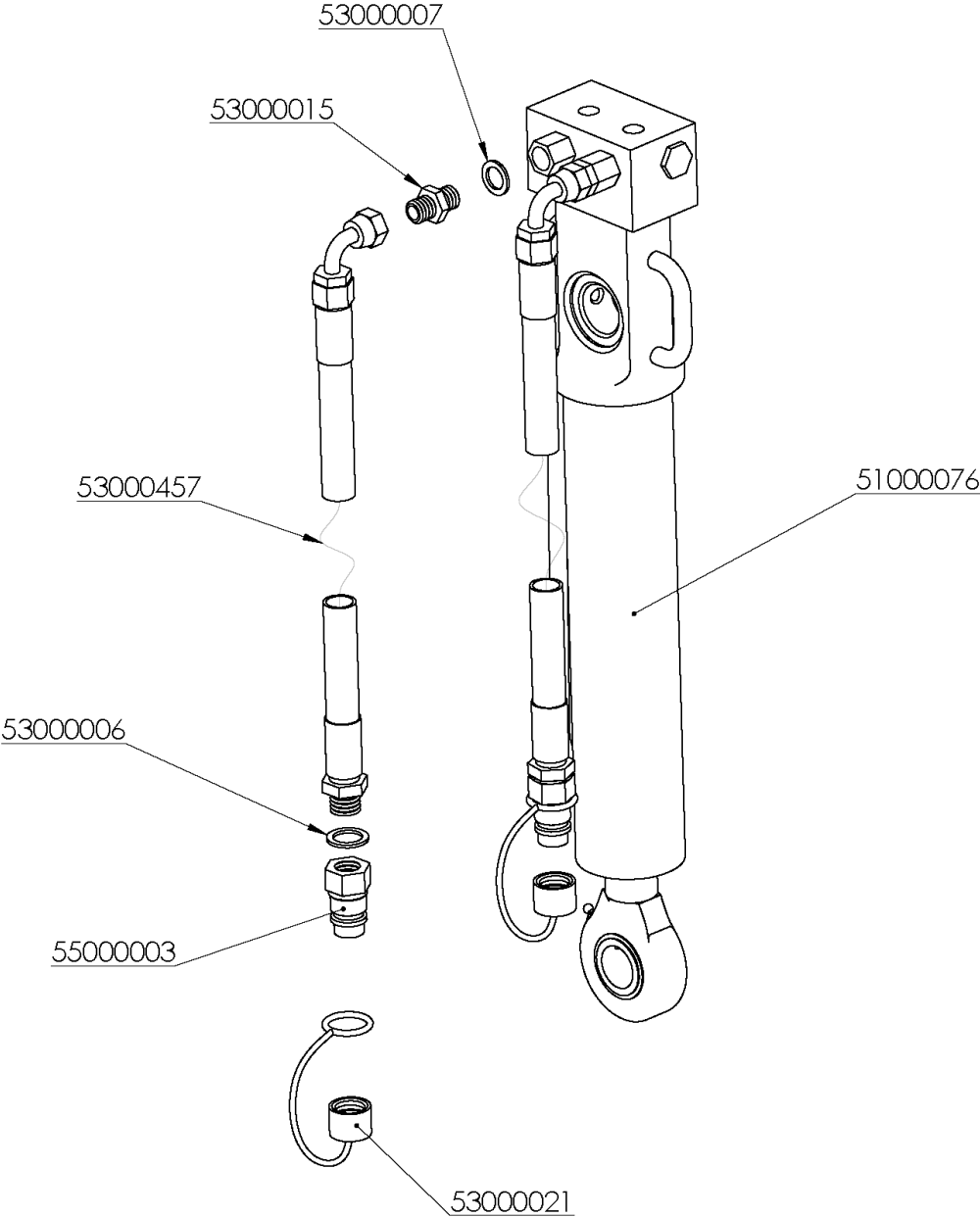


HEADSTOCK 150

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001098	LLAVE 32-38	61000042	ARAND.DIN-9021 8 ZINC.
15008931	EJE CABEZAL 150 (D/06)	62000004	PASADOR ANILLA 10 ZINC.
15008933	EJE CABEZAL 150 TRATADO (D/06)	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
15010930	TUERCA EJE CABEZAL 150 (D/06)	62000037	PASADOR ANILLA 4,5 ZINC.
53000004	ENGRASADOR AC° DIN-71412 8*125	63000075	RODAM.POST.32026 F (C-150)
53000370	SOPORTE LATIG.TORRETA 1 HUECO ZINC.	63000076	RODAM.ANTER.30222 F (C-150)
53000447	JUNTA TORICA 200-3 NBR (9-851)	64000670	DISCO CONCAVO MUESCADO MCH 15" 4mm.
55014900	BULON D=25*110mm.BLOQUEO/BRAZO RODILLO	64000717	PORTA-DOCUMENTOS ATORNILLABLE
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	90003923	BALANC.50mm.PENTAS.CAT.III
60000084	TORN.EXAG.DIN-931 16*100 8.8	90004900	SEP.B.P.32/20* 52mm.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	90004906	CASQ.D= 45/20,5*52mm.SEP.BALANC.PENTAS.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	90006905	BULON D=36/28*140mm.BALANC.CAT.III ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	90007900	HUSILLO TOPE 185mm.
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	90095900	MANILLA TOPE ZINC.
60000218	TORN.ALLEN DIN-913 12* 16 12.9	95001935	BULON D=31,2*115mm.3er.PTO.PENT.CAT.III (D/02)
60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.	95002920	PLACA PORTABALANC.50mm.PENTAS.(D/02)
60000474	TORN.EXAG.DIN-931 20*110 12.9	95008921	BULON D=34,6*150mm.INF.VOLTEO PENT.(D/02)
60000534	TORN.EXAG.DIN-933 8* 20 8.8 ZINC.	95009931	ARAND.POST.150
61000033	ANILLO ELASTICO DIN-471 40	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150



HYDRAULIC TURNOVER SYSTEM 120

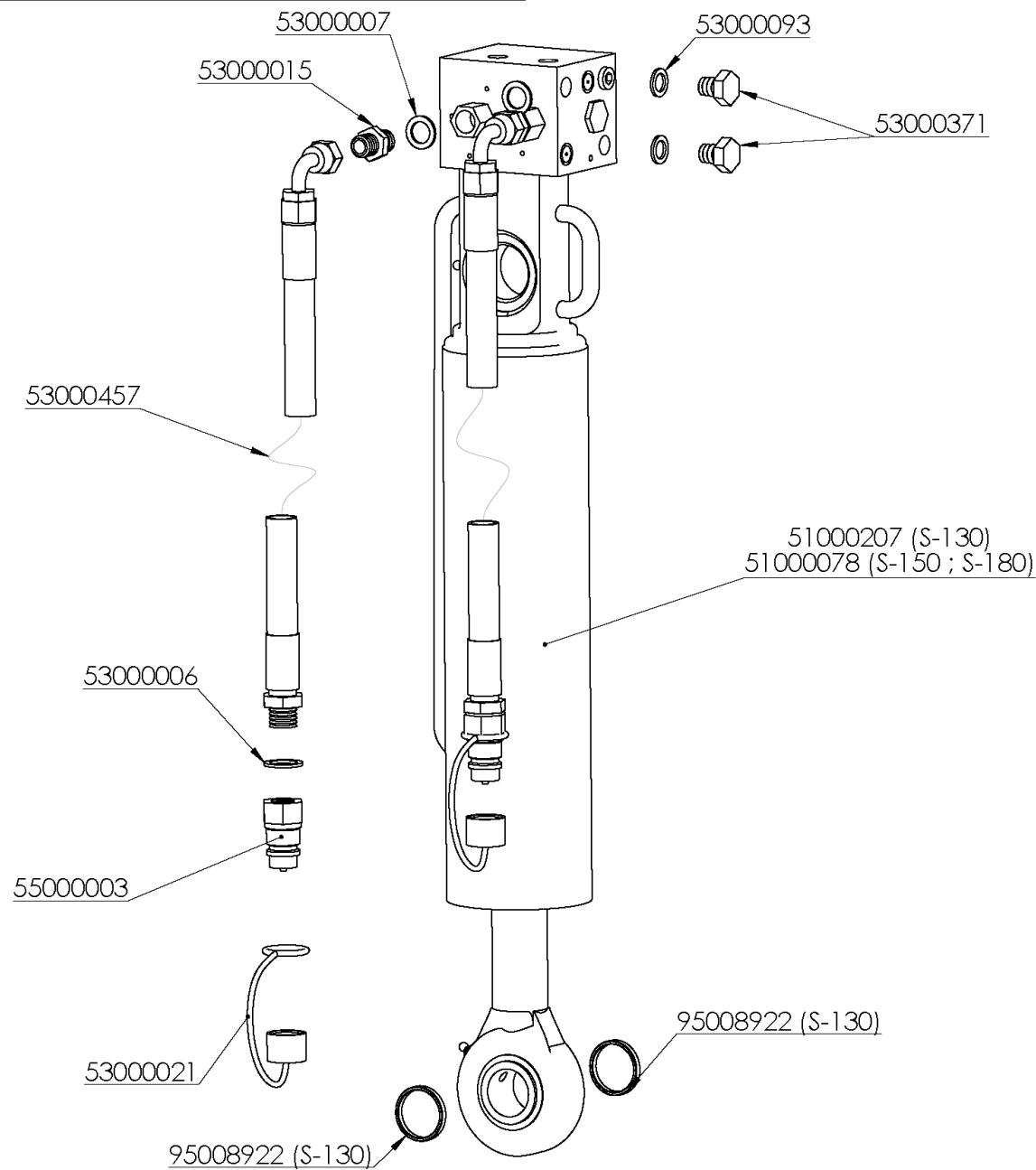


HYDRAULIC TURNOVER SYSTEM 120

REFERENCIA	DESCRIPCIÓN
51000076	CILIND.VOLTEO 40/70/242 + VALV.SIMPLE
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000015	UNION MACHO 3/8 4062
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR
53000457	LATIG.R2-1/4*1500mm.MF-1/2/CTL-45°-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108



HYDRAULIC TURNOVER SYSTEM 130-150-180

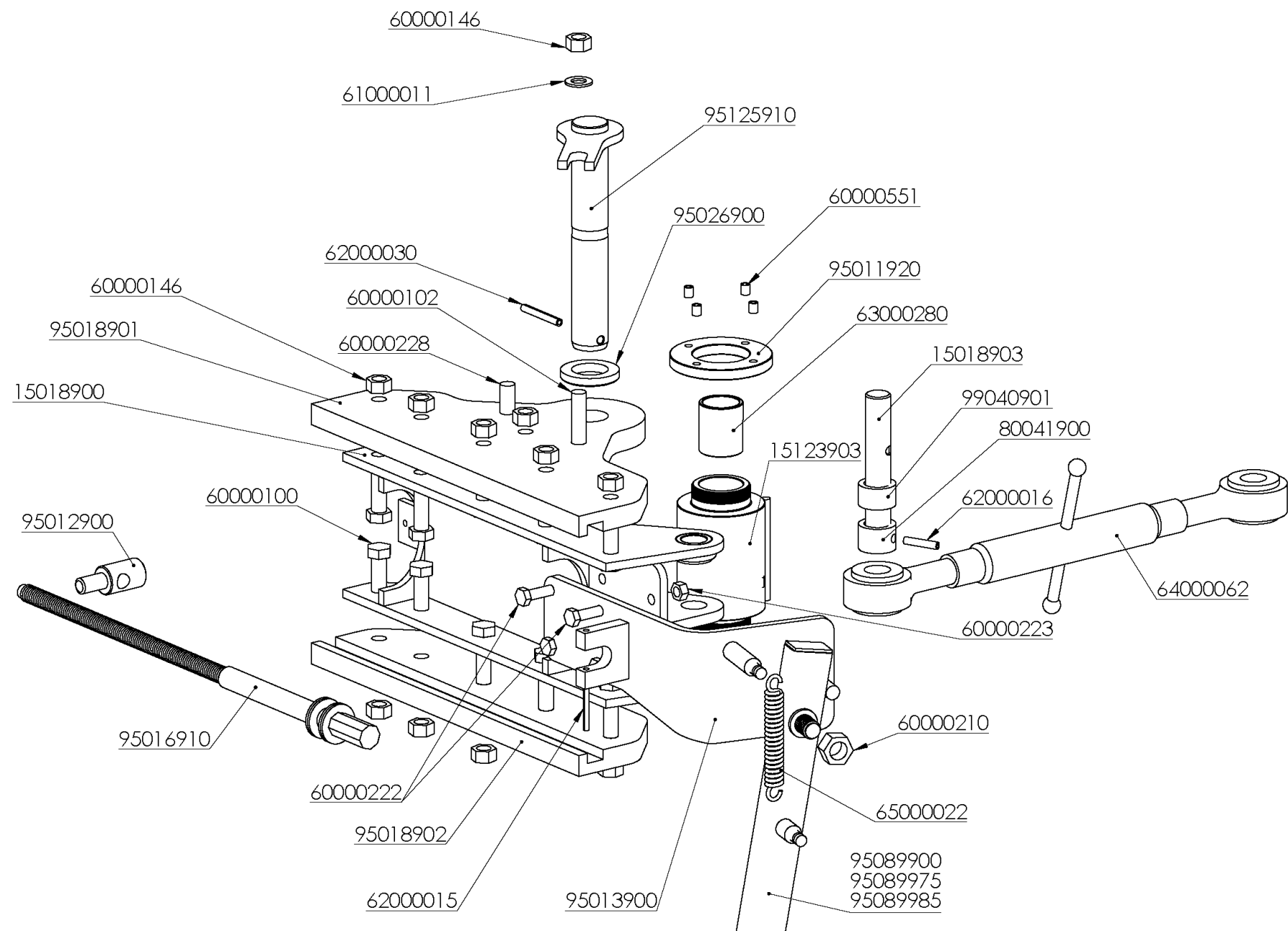


HYDRAULIC TURNOVER SYSTEM 130-150-180

REFERENCIA	DESCRIPCIÓN
51000078	CILIND.VOLTEO 40/90/300 + VALV.SECUENCIAL
51000207	CILIND.VOLTEO 40/70/247 + VALV.SEC.
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000015	UNION MACHO 3/8 4062
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR
53000093	JUNTA METAL GOMA 1/4 11601
53000371	TAPON MACHO 1/4 S830-13
53000457	LATIG.R2-1/4*1500mm.MF-1/2/CTL-45°-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
95008922	CASQ.D= 40/35*4,7mm.SEP.VOLTEO 150



SUPPORT FRAME 120-130

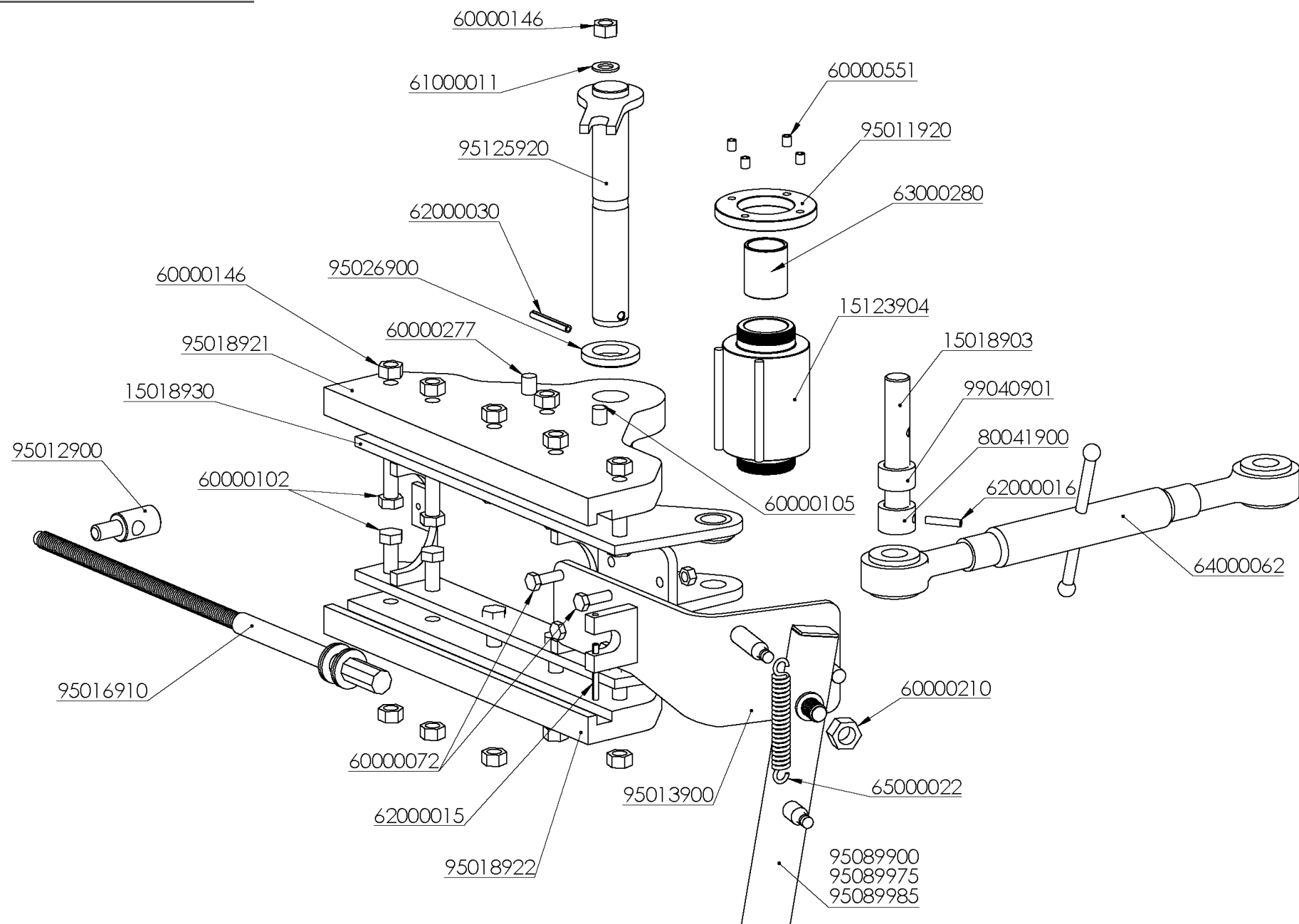


SUPPORT FRAME 120-130

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15018900	SOP.BAST.INTERIOR SN-120	63000280	CASQ.FRICCION EG 55/50x50
15018903	BULON D=34,6*215mm.TENSOR ANTER.SN + DACROMET	64000062	TENSOR C/ROT.D=35 30386 ZINC.
15123903	CASQ.GIRO BAST.SN-120 C/VARILLAS (D/20)	65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm
53000004	ENGRASADOR AC° DIN-71412 8*125	80041900	SEP.B.P.51/36* 35mm.ZINC.C/TAL.
60000100	TORN.EXAG.DIN-931 20* 70 8.8	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000102	TORN.EXAG.DIN-931 20* 80 8.8	95012900	TUERCA AJUSTE BASTIDOR EJE 120/150
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	95013900	SOP.PEON (D/02)
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	95016910	HUSILLO AJUSTE BASTIDOR 500mm (D/14)
60000222	TORN.EXAG.DIN-931/933 14* 40 8.8	95018901	PLACA SUP.SOP.BASTIDOR 120
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	95018902	PLACA INF.SOP.BASTIDOR 120
60000228	TORN.ALLEN DIN-7991 20* 70 12.9	95026900	ARAND.P/BULON GIRO BASTIDOR
60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO	95089900	PEON REVERSIBLE D/70cm.(D/02) 75cm.SL (D/07) MINI-N/BF
61000011	ARAND.DIN-125 20 ZINC.	95089975	PEON REVERSIBLE D/75cm. (D/02)
62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.	95089985	PEON REVERSIBLE D/85cm.(D/02)
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.	95125910	BULON D=50*322mm.GIRO BAST.SN-120/130 (D/20)
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	99040901	SEP.B.P.51/36* 30mm.ZINC.



SUPPORT FRAME 150

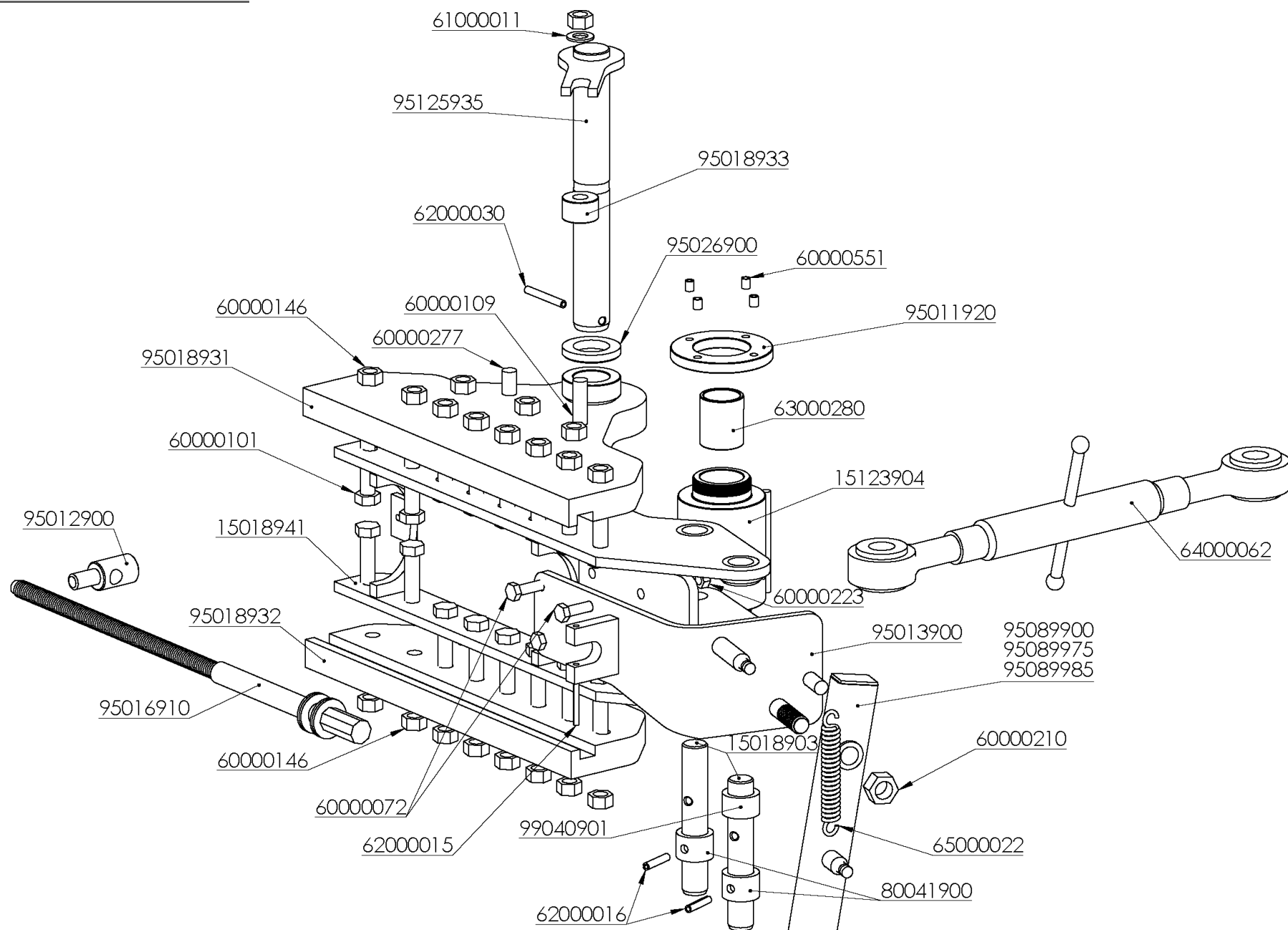


SUPPORT FRAME 150

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15018903	BULON D=34,6*215mm.TENSOR ANTER.SN + DACROMET	64000062	TENSOR C/ROT.D=35 30386 ZINC.
15018930	SOP.BAST.INTERIOR SN-150	65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm
15123904	CASQ.GIRO BAST.SN-150 C/VARILLAS (D/20)	80041900	SEP.B.P.51/36* 35mm.ZINC.C/TAL.
53000004	ENGRASADOR AC° DIN-71412 8*125	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000072	TORN.EXAG.DIN-931 14* 50 8.8	95012900	TUERCA AJUSTE BASTIDOR EJE 120/150
60000102	TORN.EXAG.DIN-931 20* 80 8.8	95013900	SOP.PEON (D/02)
60000105	TORN.EXAG.DIN-931 20* 90 8.8	95016910	HUSILLO AJUSTE BASTIDOR 500mm (D/14)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	95018921	PLACA SUP.SOP.BASTIDOR 140/150
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	95018922	PLACA INF.SOP.BASTIDOR 140/150
60000277	TORN.ALLEN DIN-7991 20* 80 12.9	95026900	ARAND.P/BULON GIRO BASTIDOR
60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO	95089900	PEON REVERSIBLE D/70cm.(D/02) 75cm.SL (D/07) MINI-N/BF
61000011	ARAND.DIN-125 20 ZINC.	95089975	PEON REVERSIBLE D/75cm. (D/02)
62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.	95089985	PEON REVERSIBLE D/85cm.(D/02)
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.	95125920	BULON D=50*342mm.GIRO BAST.SN-150 (D/20)
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	99040901	SEP.B.P.51/36* 30mm.ZINC.
63000280	CASQ.FRICCION EG 55/50x50		



SUPPORT FRAME 180

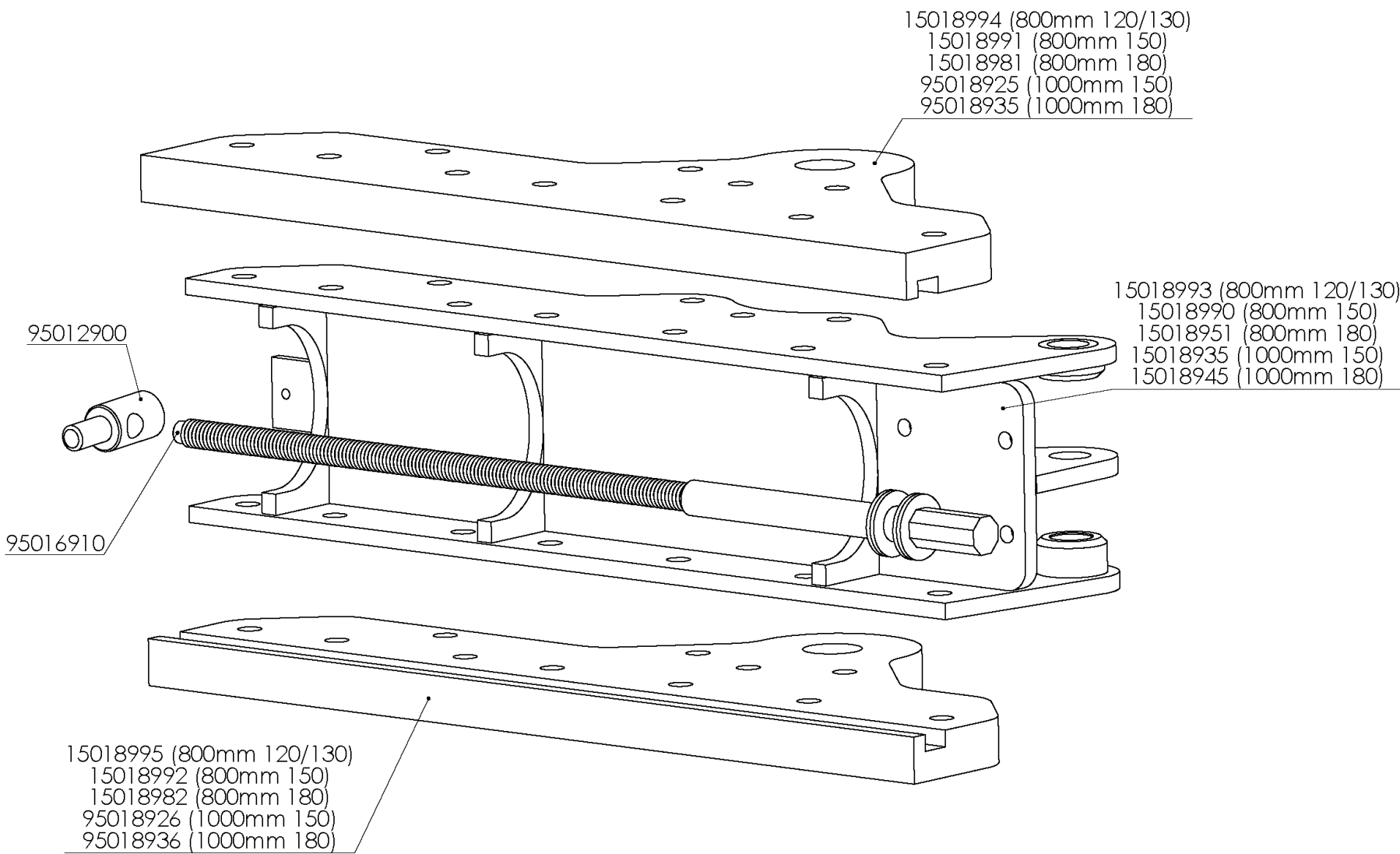


SUPPORT FRAME 180

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15018903	BULON D=34,6*215mm.TENSOR ANTER.SN + DACROMET	64000062	TENSOR C/ROT.D=35 30386 ZINC.
15018941	SOP.BAST.INTERIOR SN-6 (D/12)	65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm
15123904	CASQ.GIRO BAST.SN-150 C/VARILLAS (D/20)	80041900	SEP.B.P.51/36* 35mm.ZINC.C/TAL.
53000004	ENGRASADOR AC° DIN-71412 8*125	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000072	TORN.EXAG.DIN-931 14* 50 8.8	95012900	TUERCA AJUSTE BASTIDOR EJE 120/150
60000101	TORN.EXAG.DIN-931 20* 80 10.9 ZINC.	95013900	SOP.PEON (D/02)
60000109	TORN.EXAG.DIN-931 20*120 8.8	95016910	HUSILLO AJUSTE BASTIDOR 500mm (D/14)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	95018931	PLACA SUP.SOP.BASTIDOR SN-6
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	95018932	PLACA INF.SOP.BASTIDOR SN-6
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	95018933	CASQ.D= 50/21*30mm.FRENO BULON SN-6
60000277	TORN.ALLEN DIN-7991 20* 80 12.9	95026900	ARAND.P/BULON GIRO BASTIDOR
60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO	95089900	PEON REVERSIBLE D/70cm.(D/02) 75cm.SL (D/07) MINI-N/BF
61000011	ARAND.DIN-125 20 ZINC.	95089975	PEON REVERSIBLE D/75cm. (D/02)
62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.	95089985	PEON REVERSIBLE D/85cm.(D/02)
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.	95125935	BULON D=50*402mm.GIRO BAST.SN-180 (D/20)
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	99040901	SEP.B.P.51/36* 30mm.ZINC.
63000280	CASQ.FRICCION EG 55/50x50		



SUPPORT FRAME 800 SUPPLEMENT

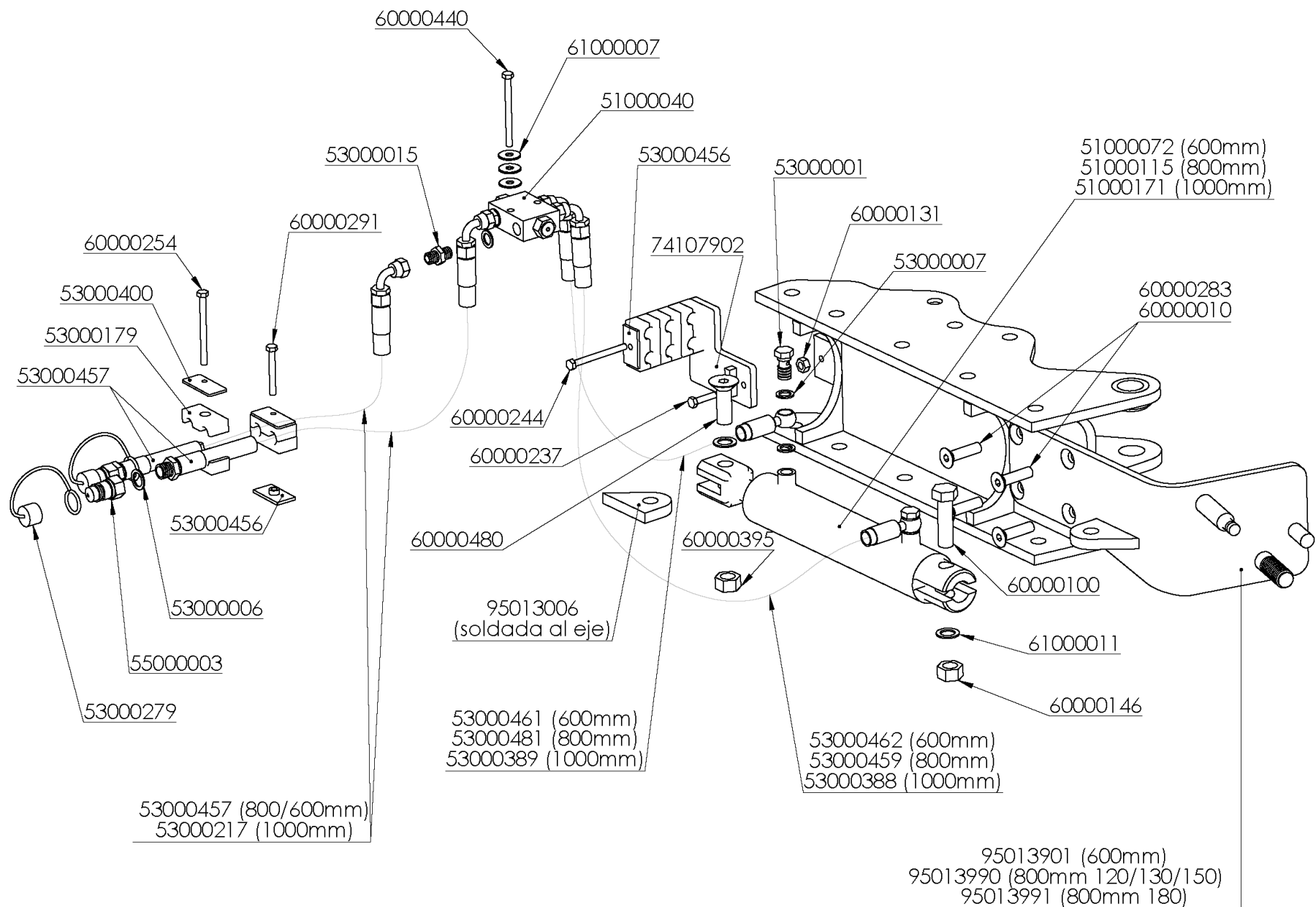


SUPPORT FRAME 800 SUPPLEMENT

REFERENCIA	DESCRIPCIÓN
15018935	SOP.BAST.INTERIOR SN-150-1000-D
15018945	SOP.BAST.INTERIOR SN-6-1000-D
15018951	SOP.BAST.INTERIOR SN-6-800 (D/12)
15018981	PLACA SUP.SOP.BASTIDOR 180/800
15018982	PLACA INF.SOP.BASTIDOR 180/800
15018990	SOP.BAST.INTERIOR SN-150/800
15018991	PLACA SUP.SOP.BASTIDOR 150/800
15018992	PLACA INF.SOP.BASTIDOR 150/800
15018993	SOP.BAST.INTERIOR SN-120/800
15018994	PLACA SUP.SOP.BASTIDOR 120/800
15018995	PLACA INF.SOP.BASTIDOR 120/800
95012900	TUERCA AJUSTE BASTIDOR EJE 120/150
95016910	HUSILLO AJUSTE BASTIDOR 500mm (D/14)
95018925	PLACA SUP.SOP.BASTIDOR 150-1000-D
95018926	PLACA INF.SOP.BASTIDOR 150-1000-D
95018935	PLACA SUP.SOP.BASTIDOR SN-6-1000-D
95018936	PLACA INF.SOP.BASTIDOR SN-6-1000-D



HYDRAULIC SHIFT

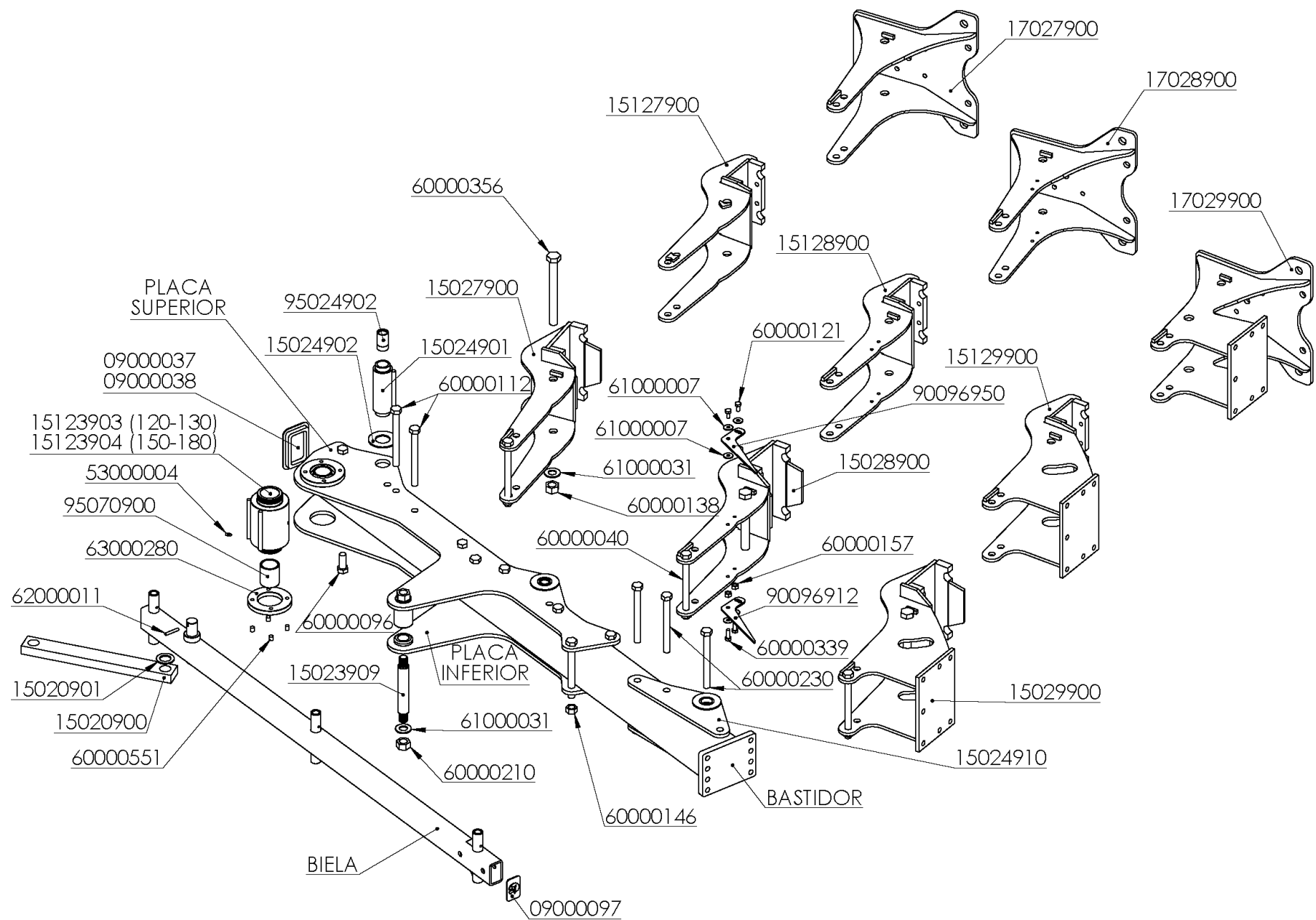


HYDRAULIC SHIFT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000040	VALV.BLOQUEO ZINC.3/8 VBPDE-3/8-A	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
51000072	CILIND.DESPL.C/HORQ.50/30/215	60000010	TORN.ALLEN DIN-7991 14* 40 10.9 ZINC.
51000115	CILIND.DESPL.C/HORQ.50/30/400	60000100	TORN.EXAG.DIN-931 20* 70 8.8
51000171	CILIND.DESPL.C/PATAS/VAST.ROSC. 50/30/600	60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
53000001	TORNILLO SIMPLE 3/8 4022	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
53000006	JUNTA METAL/GOMA 1/2" 11603	60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.
53000007	JUNTA METAL/GOMA 3/8" 11602	60000244	TORN.EXAG.DIN-931 8* 90 8.8 ZINC.
53000015	UNION MACHO 3/8 4062	60000254	TORN.EXAG.DIN-931 8*100 8.8 ZINC.
53000179	ABRAZ.DOBLE D=15mm. 215-15PP	60000283	TORN.ALLEN DIN-7991 14* 50 10.9
53000217	LATIG.R2-3/8*1500mm.MF-1/2/MF-3/8	60000291	TORN.EXAG.DIN-931/933 8* 40 8.8 ZINC.
53000279	PROTECTOR E.R.MACHO 1/2" VERDE 5029-4PG	60000395	TUER.AUTO.DIN-980 20 8.8 BAJA ZINC.
53000388	LATIG.R2-1/4*3780mm.OR/OR-3/8	60000440	TORN.EXAG.DIN-931 8*140 8.8 ZINC.
53000389	LATIG.R2-1/4*3150mm.OR/OR-3/8	60000480	TORN.ALLEN DIN-7991 20* 55 12.9
53000400	PLACA RFZO.AB.DOBLE 15/18	61000007	ARAND.DIN-9021 10 ZINC.
53000456	PLACA SOLDAR AB.DOBLE 15/18 SP2D	61000011	ARAND.DIN-125 20 ZINC.
53000457	LATIG.R2-1/4*1500mm.MF-1/2/TL-3/8	74107902	PLACA PROLONGACION SOP.LATIG.
53000459	LATIG.MF210-1/4*2580mm.OR-3/8/TL-3/8	95013006	OREJA DESP.HID.15*20,5*90*32mm.
53000461	LATIG.MF210-1/4*1730mm.OR-3/8/TL-3/8	95013901	SOP.PEON P/DESPL.HID.(P/02)
53000462	LATIG.MF210-1/4*1980mm.OR-3/8/TL-3/8	95013990	SOP.PEON P/DESPL.HID.800
53000481	LATIG.MF210-1/4*2155mm.OR-3/8/TL-3/8	95013991	SOP.PEON P/DESPL.HID.SN-6/800



FRAME "S"



FRAME "S"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
09000037	TAPON GOMA 150*100*10mm.	60000040	TORN.EXAG.DIN-931 20*230 8.8
09000038	TAPON GOMA 150*150*10mm.	60000096	TORN.EXAG.DIN-933 20* 50 8.8
09000097	TAPON GOMA 80* 50* 6mm.	60000112	TORN.EXAG.DIN-931 20*200 8.8
15020900	LLANTA TIRO BIELA SN (500/440)	60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.
15020901	ARAND.D=35,5mm.LLANTA TIRO BIELA SN	60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + DACROMET	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
15024901	CASQ.D= 60/45,9/35*183mm.C/VAR.PORTAC.SN	60000157	TUER.EXAG.DIN-934 12 8.8 ZINC.
15024902	ARAND.D=90/46*4mm.CEM.PORTAC.SN	60000210	TUER.AUTO.DIN-985 1" SAE 8.8
15024910	SOP.GIRO PORTACAMBAS SN	60000230	TORN.EXAG.C/LAR.20*200 12.9
15027900	SOP.ARTIC.CAMBA SBN	60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.
15028900	SOP.ARTIC.MARCADOR SBN	60000356	TORN.EXAG.C/LAR.1"*240 SAE 12.9
15029900	SOP.ARTIC.CAMBA/RDA.SBN	60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO
15123903	CASQ.GIRO BAST.SN-120 C/VARILLAS (D/20)	61000007	ARAND.DIN-9021 10 ZINC.
15123904	CASQ.GIRO BAST.SN-150 C/VARILLAS (D/20)	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
15127900	SOP.ARTIC.CAMBA SBN-L	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
15128900	SOP.ARTIC.MARCADOR SBN-L	63000280	CASQ.FRICCION EG 55/50x50
15129900	SOP.ARTIC.CAMBA/RDA.SBN-L	90096912	MARCADOR TAJO 2P (D/06)
17027900	SOP.ARTIC.CAMBA SFN	90096950	MARCADOR TAJO 2P ZINC.
17028900	SOP.ARTIC.MARCADOR SFN	95024902	CASQ.D= 35/26/30*60mm.CEM.PORTAC.
17029900	SOP.ARTIC.CAMBA/RDA.SFN	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
53000004	ENGRASADOR AC° DIN-71412 8*125		



FRAME "S"-PLATES

PLACA SUPERIOR		PLACA INFERIOR	
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15023903	PLACA SUP.SOP.GIRO BAST.SN-2-95	15023953	PLACA INF.SOP.GIRO BAST.SN-2-95
15023904	PLACA SUP.SOP.GIRO BAST.SN-3/4-95	15023954	PLACA INF.SOP.GIRO BAST.SN-3/4-95
15023905	PLACA SUP.SOP.GIRO BAST.SN-4A/5-95	15023955	PLACA INF.SOP.GIRO BAST.SN-4A/5-95
15023906	PLACA SUP.SOP.GIRO BAST.SN-5A/6-95	15023956	PLACA INF.SOP.GIRO BAST.SN-5A/6-95
15023913	PLACA SUP.SOP.GIRO BAST.SN-2-85	15023963	PLACA INF.SOP.GIRO BAST.SN-2-85
15023914	PLACA SUP.SOP.GIRO BAST.SN-3/4-85	15023964	PLACA INF.SOP.GIRO BAST.SN-3/4-85
15023915	PLACA SUP.SOP.GIRO BAST.SN-4A/5-85	15023965	PLACA INF.SOP.GIRO BAST.SN-4A/5-85
15023916	PLACA SUP.SOP.GIRO BAST.SN-5A/6-85	15023966	PLACA INF.SOP.GIRO BAST.SN-5A/6-85
15023923	PLACA SUP.SOP.GIRO BAST.SN-2-105	15023973	PLACA INF.SOP.GIRO BAST.SN-2-105
15023924	PLACA SUP.SOP.GIRO BAST.SN-3/4-105	15023974	PLACA INF.SOP.GIRO BAST.SN-3/4-105
15023925	PLACA SUP.SOP.GIRO BAST.SN-4A/5-105	15023975	PLACA INF.SOP.GIRO BAST.SN-4A/5-105
15023926	PLACA SUP.SOP.GIRO BAST.SN-5A/6-105	15023976	PLACA INF.SOP.GIRO BAST.SN-5A/6-105
15023935	PLACA SUP.SOP.GIRO BAST.SN-4A/5-100	15023985	PLACA INF.SOP.GIRO BAST.SN-4A/5-100

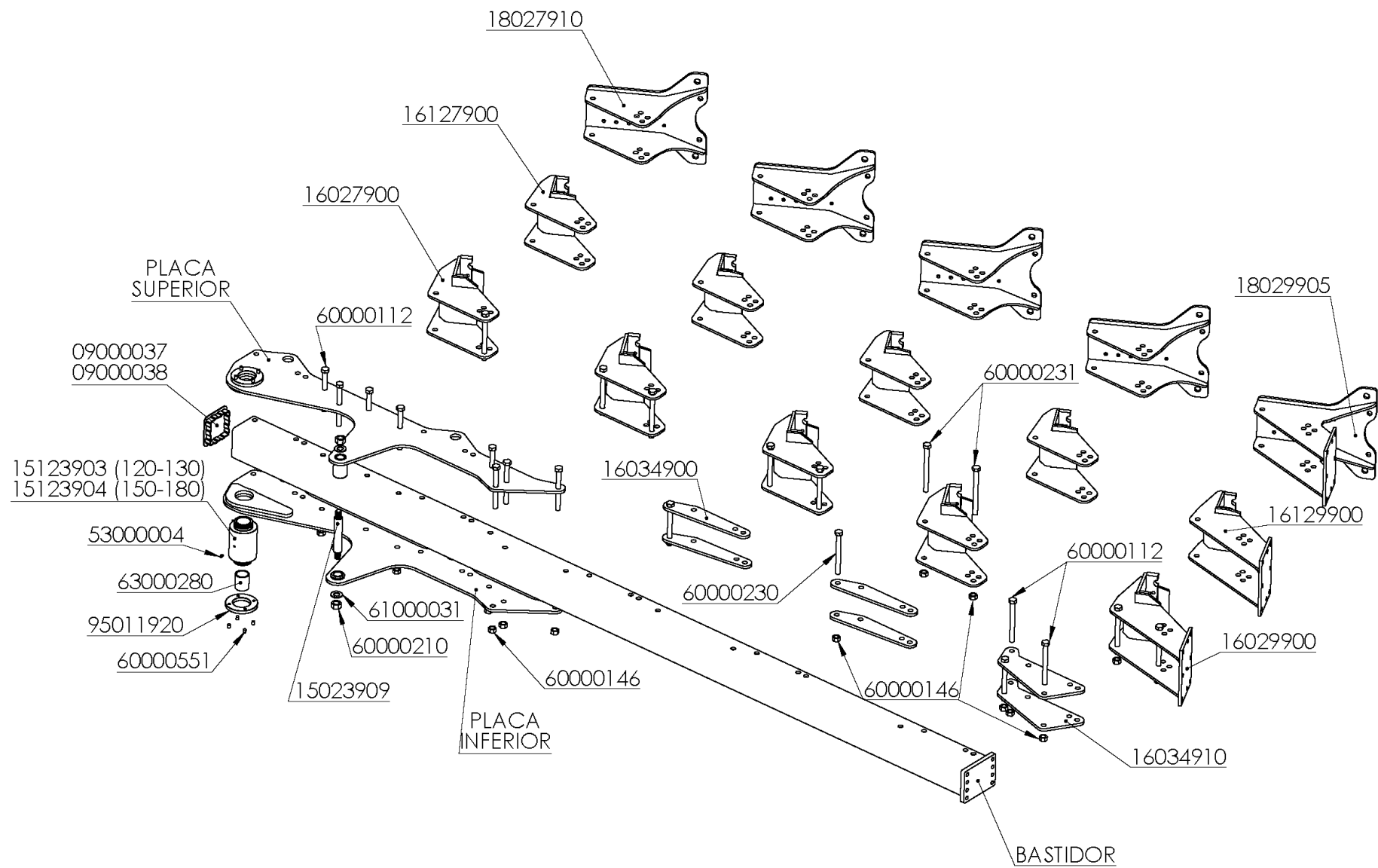


FRAME "S" CRANKS

BIELA			
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15021901	BIELA SN-1-95	15021926	BIELA SN-6-105
15021902	BIELA SN-2-95	15021931	BIELA SN-1-100
15021903	BIELA SN-3-95	15021932	BIELA SN-2-95-NO AMP.
15021904	BIELA SN-4-95	15021935	BIELA SN-5-100
15021905	BIELA SN-5-95	15021942	BIELA SN-2-105-NO AMP.
15021906	BIELA SN-6-95	15021943	BIELA SN-3-105-NO AMP.
15021911	BIELA SN-1-85	15021953	BIELA SN-3-95-NO AMPL.
15021912	BIELA SN-2-85	15021954	BIELA SN-4-95-AMP.
15021913	BIELA SN-3-85	15021955	BIELA SN-5-95-AMP.
15021914	BIELA SN-4-85	15021963	BIELA SN-3-85-NO AMPL.
15021915	BIELA SN-5-85	15021964	BIELA SN-4-85-AMP.
15021916	BIELA SN-6-85	15021965	BIELA SN-5-85-AMP.
15021921	BIELA SN-1-105	15021966	BIELA SN-6-85-AMP.
15021922	BIELA SN-2-105	15021974	BIELA SN-4-105-AMP.
15021923	BIELA SN-3-105	15021975	BIELA SN-5-105-AMP.
15021924	BIELA SN-4-105	15021984	BIELA SN-4-100-AMP.
15021925	BIELA SN-5-105		



FRAME "L"



FRAME "L"

REFERENCIA	DESCRIPCIÓN
09000037	TAPON GOMA 150*100*10mm.
09000038	TAPON GOMA 150*150*10mm.
15023909	BULON D=34,6*240mm.ROSC.TENSOR POST.SN + DACROMET
16027900	SOP.ARTIC.CAMBA LBN
16029900	SOP.ARTIC.CAMBA/RDA.LBN
16034900	PLACA ASIENTO SOPORTES L
16034910	PLACA ASIENTO SOP.RDA C/T L
16127900	SOP.ARTIC.CAMBA LBN-L
16129900	SOP.ARTIC.CAMBA/RDA.LBN-L
18027910	SOP.ARTIC.CAMBA LFN (D/14)
18029905	SOP.ARTIC.CAMBA/RDA.LFN (D/14)
53000004	ENGRASADOR AC° DIN-71412 8*125
60000112	TORN.EXAG.DIN-931 20*200 8.8
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000210	TUER.AUTO.DIN-985 1" SAE 8.8
60000230	TORN.EXAG.C/LAR.20*200 12.9
60000231	TORN.EXAG.C/LAR.20*225 12.9
60000551	TORN.ALLEN DIN-916 12* 12 14.9 MOLETEADO
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
63000280	CASQ.FRICCION EG 55/50x50
95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
15123903	CASQ.GIRO BAST.SN-120 C/VARILLAS (D/20)
15123904	CASQ.GIRO BAST.SN-150 C/VARILLAS (D/20)



FRAME "L"

PLACA SUPERIOR		PLACA INFERIOR	
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15023903	PLACA SUP.SOP.GIRO BAST.SN-2-95	15023953	PLACA INF.SOP.GIRO BAST.SN-2-95
15023904	PLACA SUP.SOP.GIRO BAST.SN-3/4-95	15023954	PLACA INF.SOP.GIRO BAST.SN-3/4-95
15023905	PLACA SUP.SOP.GIRO BAST.SN-4A/5-95	15023955	PLACA INF.SOP.GIRO BAST.SN-4A/5-95
15023906	PLACA SUP.SOP.GIRO BAST.SN-5A/6-95	15023956	PLACA INF.SOP.GIRO BAST.SN-5A/6-95
15023913	PLACA SUP.SOP.GIRO BAST.SN-2-85	15023963	PLACA INF.SOP.GIRO BAST.SN-2-85
15023914	PLACA SUP.SOP.GIRO BAST.SN-3/4-85	15023964	PLACA INF.SOP.GIRO BAST.SN-3/4-85
15023915	PLACA SUP.SOP.GIRO BAST.SN-4A/5-85	15023965	PLACA INF.SOP.GIRO BAST.SN-4A/5-85
15023916	PLACA SUP.SOP.GIRO BAST.SN-5A/6-85	15023966	PLACA INF.SOP.GIRO BAST.SN-5A/6-85
15023923	PLACA SUP.SOP.GIRO BAST.SN-2-105	15023973	PLACA INF.SOP.GIRO BAST.SN-2-105
15023924	PLACA SUP.SOP.GIRO BAST.SN-3/4-105	15023974	PLACA INF.SOP.GIRO BAST.SN-3/4-105
15023925	PLACA SUP.SOP.GIRO BAST.SN-4A/5-105	15023975	PLACA INF.SOP.GIRO BAST.SN-4A/5-105
15023926	PLACA SUP.SOP.GIRO BAST.SN-5A/6-105	15023976	PLACA INF.SOP.GIRO BAST.SN-5A/6-105
15023935	PLACA SUP.SOP.GIRO BAST.SN-4A/5-100	15023985	PLACA INF.SOP.GIRO BAST.SN-4A/5-100





FRAMES "SF-LF" & "SB-LB"

BASTIDORES SF-LF SB-LB			
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15019901	BAST.SN-1-95-(100)	15019943	BAST.SN-3-105-(100-NO AMP.)
15019902	BAST.SN-2-95	15019944	BAST.SN-4-105-(150-NO AMP.)
15019903	BAST.SN-3-95	15019951	BAST.SN-1-95-(150)
15019904	BAST.SN-4-95	15019953	BAST.SN-3-95-(150)
15019905	BAST.SN-5-95	15019954	BAST.SN-4-95-AMP
15019906	BAST.SN-6-95	15019955	BAST.SN-5-95-AMP
15019911	BAST.SN-1-85-(100)	15019961	BAST.SN-1-85-(150)
15019912	BAST.SN-2-85	15019963	BAST.SN-3-85-(150)
15019913	BAST.SN-3-85	15019964	BAST.SN-4-85-AMP
15019914	BAST.SN-4-85	15019965	BAST.SN-5-85-AMP
15019915	BAST.SN-5-85	15019966	BAST.SN-6-85-AMP
15019916	BAST.SN-6-85	15019971	BAST.SN-1-105-(150)
15019921	BAST.SN-1-105-(100)	15019973	BAST.SN-3-105-(150)
15019922	BAST.SN-2-105	15019974	BAST.SN-4-105-AMP
15019923	BAST.SN-3-105	15019984	BAST.SN-4-100-AMP
15019924	BAST.SN-4-105	15019985	BAST.SN-5-85-(100-NO AMP)
15019925	BAST.SN-5-105	15019995	BAST.SN-5-95-(100-NO AMP)
15019926	BAST.SN-6-105	15020954	BAST.SN-4-95-AMP (ESTR-6)
15019934	BAST.SN-4-95-(150-NO AMP.)	28019904	BAST.FBN-4-95
15019935	BAST.SN-5-100		

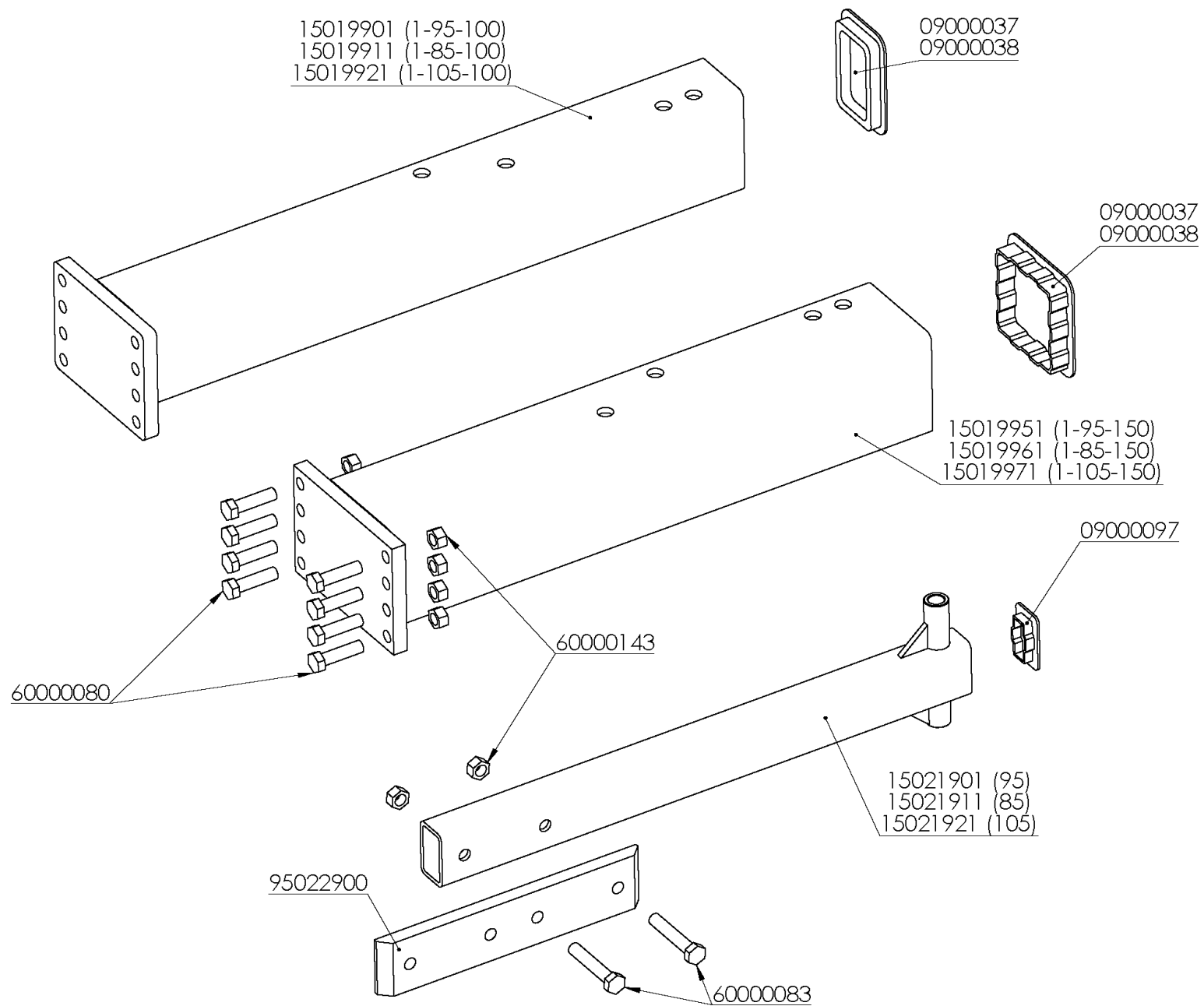


FRAMES "SH-LH"

BASTIDORES SH-LH			
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
16019894	BAST.SHN-4-85 (100- AMP.)	16019943	BAST.SHN-3-105-(100-NO AMP.)
16019901	BAST.SHN-1-95-(100)	16019944	BAST.SHN-4-105-(150-NO AMP.)
16019902	BAST.SHN-2-95	16019945	BAST.SHN-5-95-(100-NO AMP)
16019903	BAST.SHN-3-95	16019951	BAST.SHN-1-95-(150)
16019904	BAST.SHN-4-95	16019953	BAST.SHN-3-95-(150)
16019905	BAST.SHN-5-95	16019954	BAST.SHN-4-95-AMP
16019906	BAST.SHN-6-95	16019955	BAST.SHN-5-95-AMP
16019911	BAST.SHN-1-85-(100)	16019956	BAST.SHN-4-95-AMP (ESTR-6)
16019912	BAST.SHN-2-85	16019961	BAST.SHN-1-85-(150)
16019913	BAST.SHN-3-85	16019963	BAST.SHN-3-85-(150)
16019914	BAST.SHN-4-85	16019964	BAST.SHN-4-85-AMP
16019915	BAST.SHN-5-85	16019965	BAST.SHN-5-85-AMP
16019916	BAST.SHN-6-85	16019971	BAST.SHN-1-105-(150)
16019921	BAST.SHN-1-105-(100)	16019973	BAST.SHN-3-105-(150)
16019922	BAST.SHN-2-105	16019974	BAST.SHN-4-105-AMP.
16019924	BAST.SHN-4-105	16019975	BAST.SHN-5-105 (180)
16019925	BAST.SHN-5-105	16019984	BAST.SHN-4-100-AMP
16019934	BAST.SHN-4-95-(150-NO AMP.)	16019985	BAST.SHN-5-85-(100-NO AMP)
16019935	BAST.SHN-5-100	16019994	BAST.SHN-4-95 (100- AMP.)



MODULE

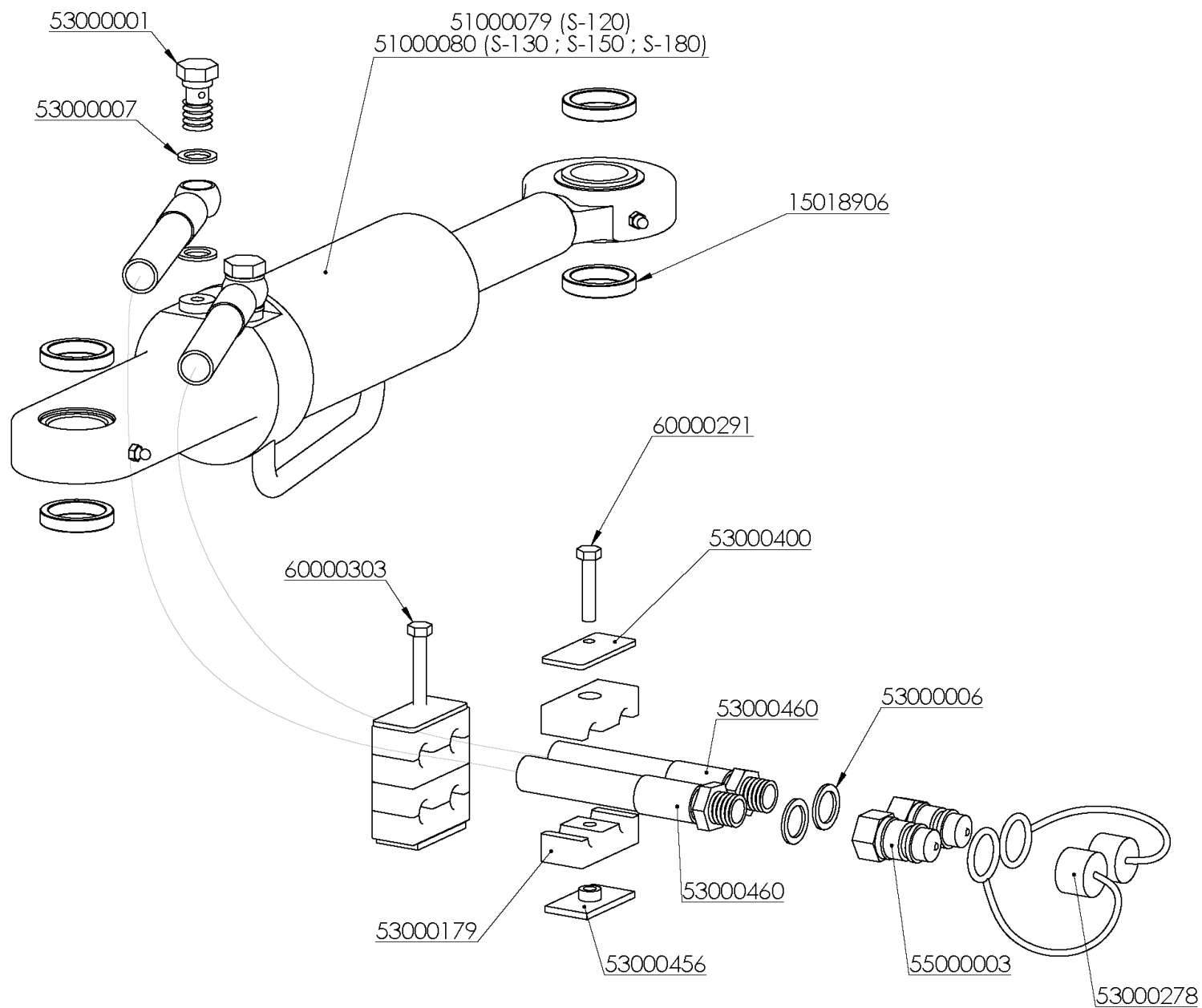


MODULE

REFERENCIA	DESCRIPCIÓN
9000037	TAPON GOMA 150*100*10mm.
9000038	TAPON GOMA 150*150*10mm.
9000097	TAPON GOMA 80* 50* 6mm.
15019901	BAST.SN-1-95-(100)
15019911	BAST.SN-1-85-(100)
15019921	BAST.SN-1-105-(100)
15019951	BAST.SN-1-95-(150)
15019961	BAST.SN-1-85-(150)
15019971	BAST.SN-1-105-(150)
15021901	BIELA SN-1-95
15021911	BIELA SN-1-85
15021921	BIELA SN-1-105
60000080	TORN.EXAG.DIN-931 16* 60 8.8 ZINC.
60000083	TORN.EXAG.DIN-931 16* 90 8.8
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
95022900	PLACA CONEX.BIELA MODULO S



OPENING SYSTEM

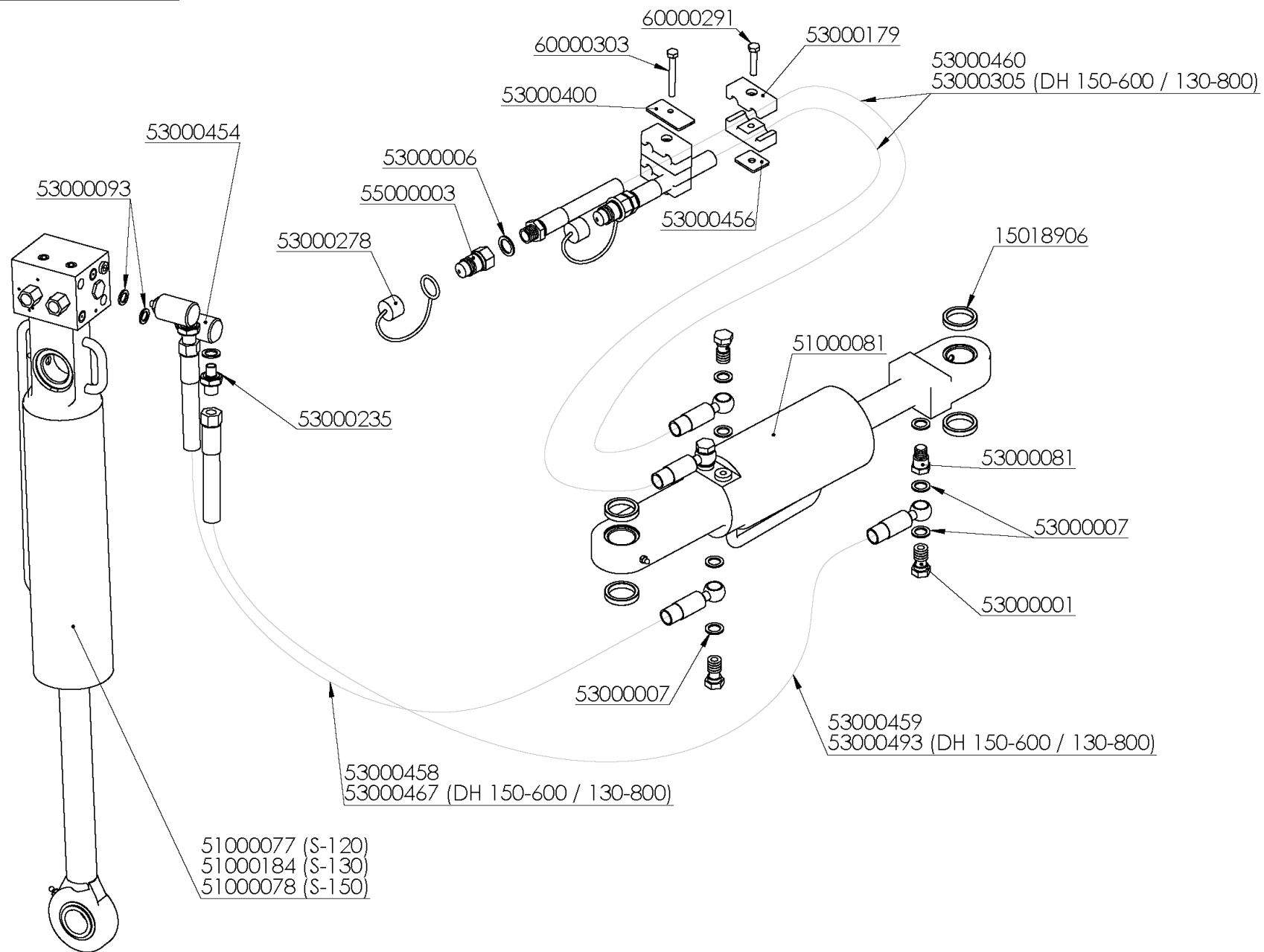


OPENING SYSTEM

REFERENCIA	DESCRIPCIÓN
15018906	CASQ. D=45/35*8 SEP.APERT.CICRO
51000079	CILIND.APERT. 40/ 80/100 VALV.BLOQ.
51000080	CILIND.APERT. 42/100/100 VALV.BLOQ.
53000001	TORNILLO SIMPLE 3/8 4022
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000179	ABRAZ.DOBLE D=15mm. 215-15PP
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY
53000400	PLACA RFZO.AB.DOBLE 15/18
53000456	PLACA SOLDAR AB.DOBLE 15/18 SP2D
53000460	LATIG.MF210-1/4*3550mm.MF-1/2/OR-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000291	TORN.EXAG.DIN-931/933 8* 40 8.8 ZINC.
60000303	TORN.EXAG.DIN-931 8* 65 8.8 ZINC.



MEMORY 120-130-150

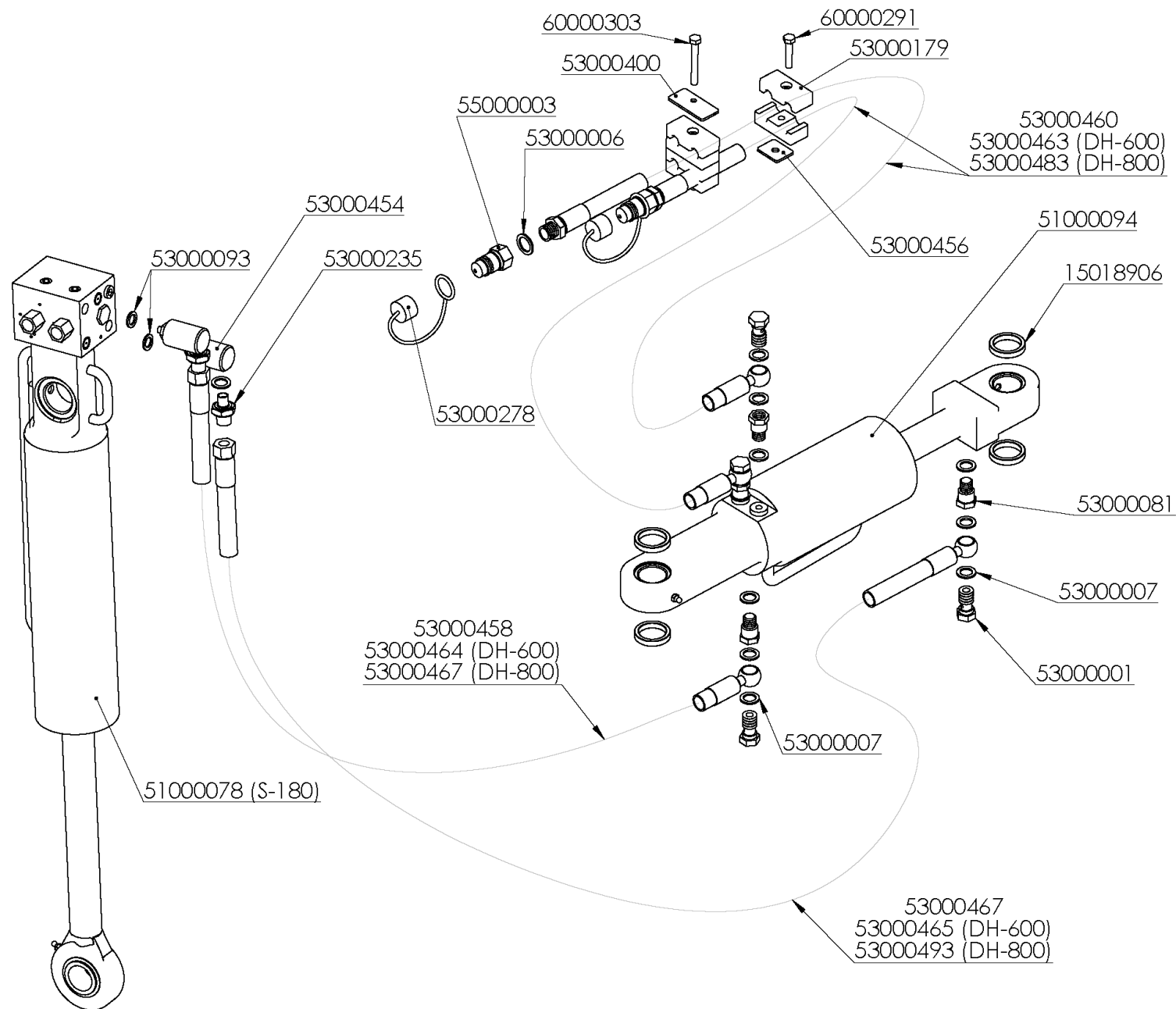


MEMORY 120-130-150

REFERENCIA	DESCRIPCIÓN
15018906	CASQ. D=45/35*8 SEP.APERT.CICRO
51000077	CILIND.VOLTEO 35/63/260 + VALV.SECUENCIAL
51000078	CILIND.VOLTEO 40/90/300 + VALV.SECUENCIAL
51000081	CILIND.APERT./MEMª. 42/100/100 VALV.BLOQ.
51000184	CILIND.VOLTEO 35/63/260 + VALV.SEC (ROT.35-35)
53000001	TORNILLO SIMPLE 3/8 4022
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000081	SUPLEMENTO 3/8" 4092
53000093	JUNTA METAL GOMA 1/4 11601
53000179	ABRAZ.DOBLE D=15mm. 215-15PP
53000235	UNION REDUCCION 1/4-3/8 4071
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY
53000305	LATIG.MF210-1/4*3800mm.MF-1/2/OR-3/8
53000400	PLACA RFZO.AB.DOBLE 15/18
53000454	RACOR GIRATORIO 90° 1-VIA 1/4 G0990
53000456	PLACA SOLDAR AB.DOBLE 15/18 SP2D
53000458	LATIG.MF210-1/4*2010mm.OR-3/8/TL-3/8
53000459	LATIG.MF210-1/4*2580mm.OR-3/8/TL-3/8
53000460	LATIG.MF210-1/4*3550mm.MF-1/2/OR-3/8
53000467	LATIG.MF210-1/4*2680mm.OR-3/8/TL-3/8
53000493	LATIG.MF210-1/4*3230mm.OR-3/8/TL-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000291	TORN.EXAG.DIN-931/933 8* 40 8.8 ZINC.
60000303	TORN.EXAG.DIN-931 8* 65 8.8 ZINC.



MEMORY 180

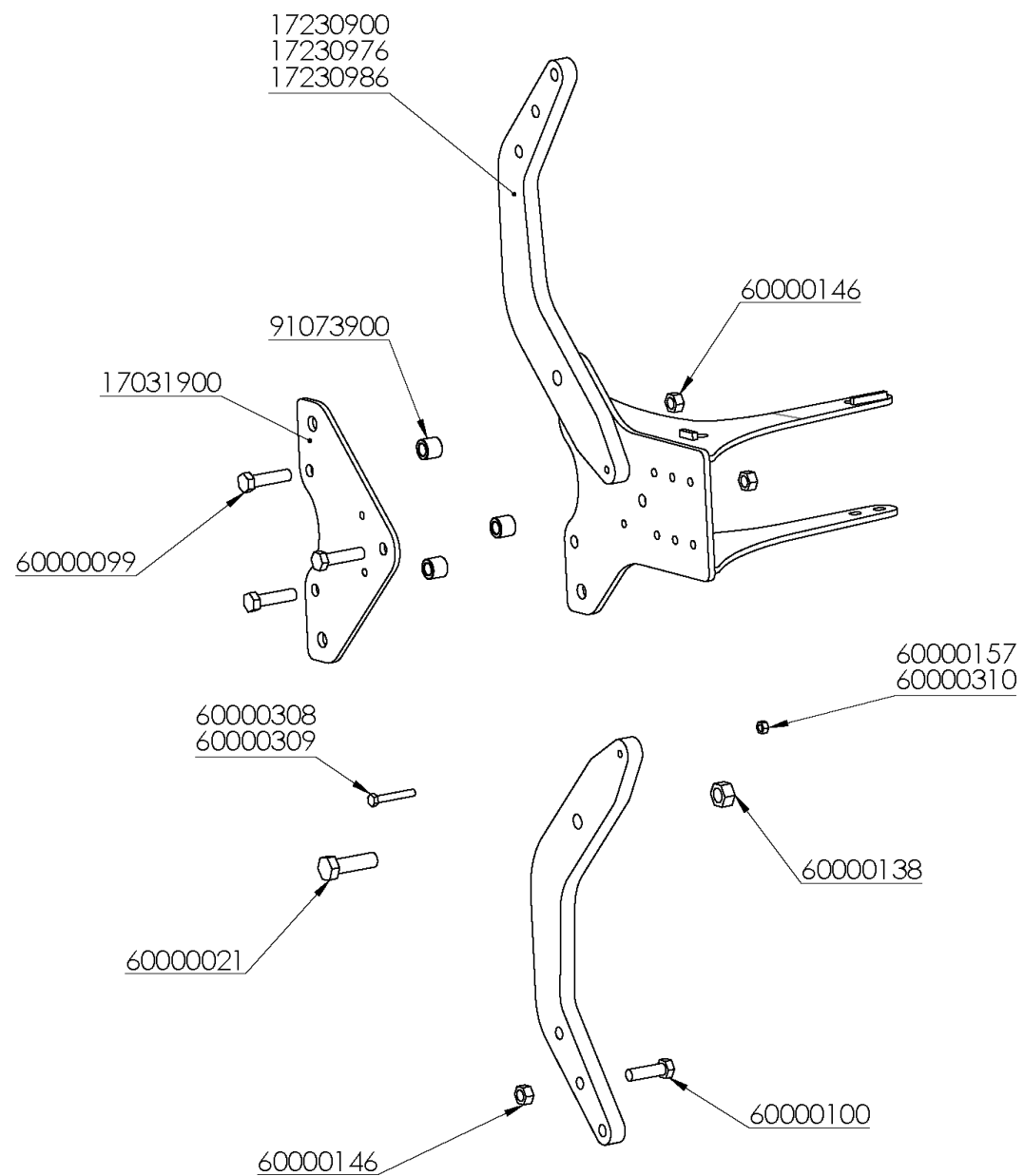


MEMORY 180

REFERENCIA	DESCRIPCIÓN
15018906	CASQ. D=45/35*8 SEP.APERT.CICRO
51000078	CILIND.VOLTEO 40/90/300 + VALV.SECUENCIAL
51000094	CILIND.APERT./MEMª. 42/100/145 VALV.BLOQ.
53000001	TORNILLO SIMPLE 3/8 4022
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000081	SUPLEMENTO 3/8" 4092
53000093	JUNTA METAL GOMA 1/4 11601
53000179	ABRAZ.DOBLE D=15mm. 215-15PP
53000235	UNION REDUCCION 1/4-3/8 4071
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY
53000400	PLACA RFZO.AB.DOBLE 15/18
53000454	RACOR GIRATORIO 90° 1-VIA 1/4 G0990
53000456	PLACA SOLDAR AB.DOBLE 15/18 SP2D
53000458	LATIG.MF210-1/4*2010mm.OR-3/8/TL-3/8
53000460	LATIG.MF210-1/4*3550mm.MF-1/2/OR-3/8
53000463	LATIG.MF210-1/4*3650mm.MF-1/2/OR-3/8
53000464	LATIG.MF210-1/4*2250mm.OR-3/8/TL-3/8
53000465	LATIG.MF210-1/4*2850mm.OR-3/8/TL-3/8
53000467	LATIG.MF210-1/4*2680mm.OR-3/8/TL-3/8
53000483	LATIG.MF210-1/4*3950mm.MF-1/2/OR-3/8
53000493	LATIG.MF210-1/4*3230mm.OR-3/8/TL-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000291	TORN.EXAG.DIN-931/933 8* 40 8.8 ZINC.
60000303	TORN.EXAG.DIN-931 8* 65 8.8 ZINC.



BODY "SF-LF"

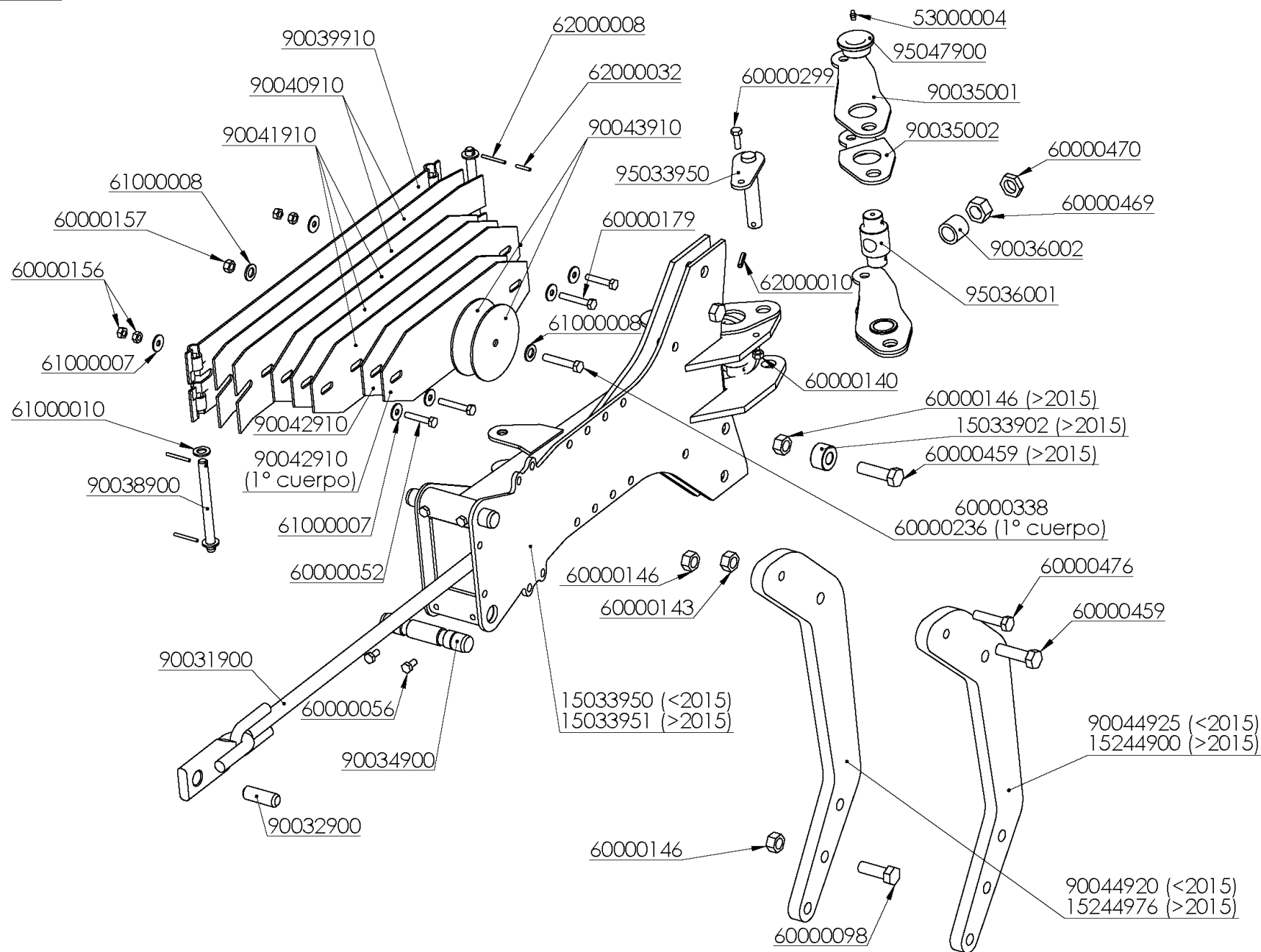


BODY "SF-LF"

REFERENCIA	DESCRIPCIÓN
17031900	PLACA PORTACAMBA EXT.SFN
17230900	CAMBA XPF 30mm.
17230976	CAMBA XPF 30mm 75cm.DESPEJE
17230986	CAMBA XPF 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 "SB-LB"

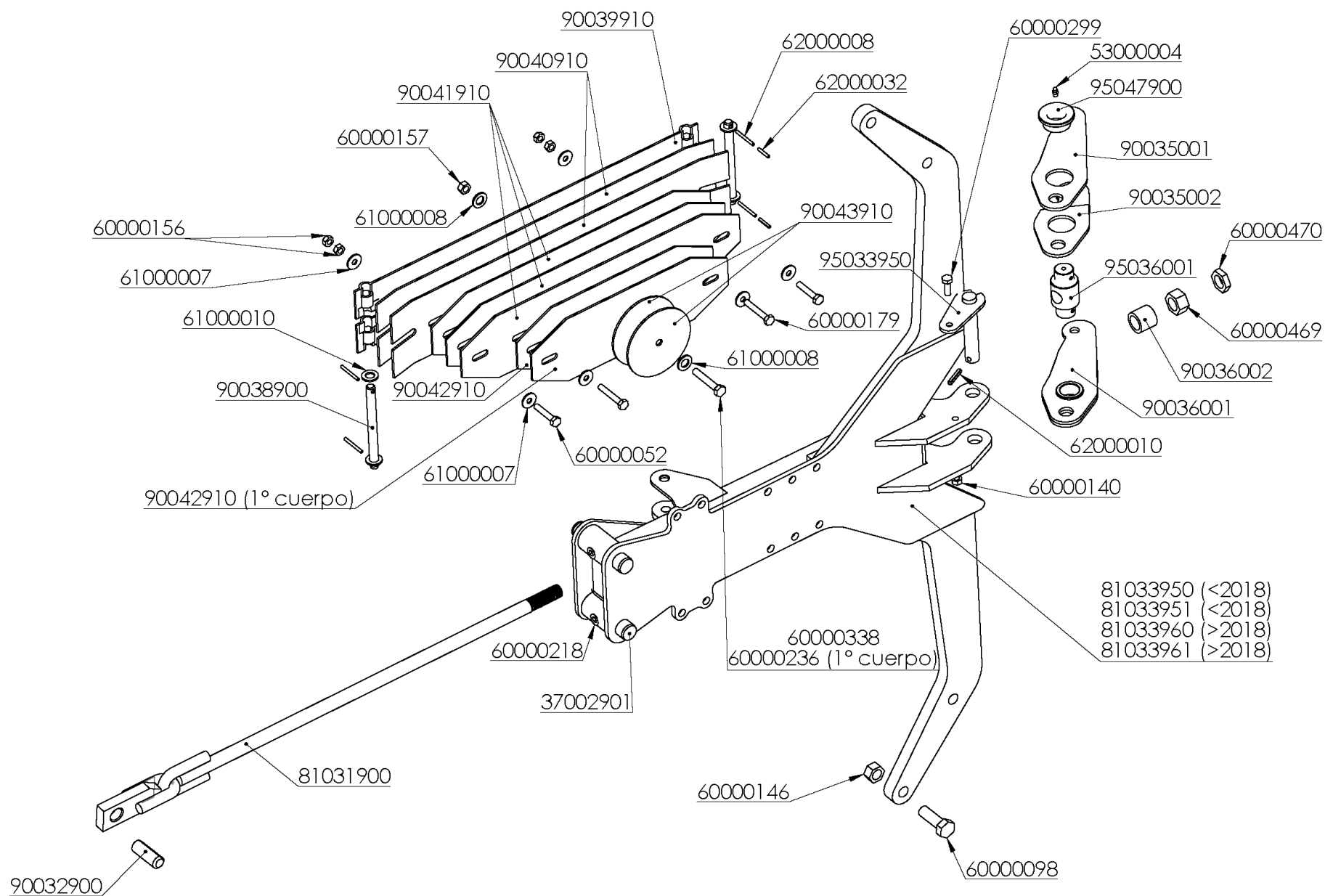


ARM "SB-LB"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15033902	CASQ.D= 45/20,5*26mm.PORTACAMBA SB	61000010	ARAND.DIN-125 16 ZINC.
15033950	BRAZO PORTACAMBA SB (D/13)	62000008	PASADOR ELAST.DIN-1481 5* 30 ZINC.
15033951	BRAZO PORTACAMBA SB (D/15)	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
15244900	CAMBA XPH 25mm	62000032	PASADOR ELAST.DIN-1481 3* 30 ZINC.
15244976	CAMBA XPH 25mm 76cm DESPEJE.	90031900	BARRA TENSORA
53000004	ENGRASADOR AC° DIN-71412 8*125	90032900	BULON D=25* 70mm.TIRO BARRA TENSORA
60000052	TORN.EXAG.DIN-931 10* 55 10.9 ZINC.	90034900	BULON APOYO ANCORA
60000098	TORN.EXAG.DIN-931 20* 60 8.8	90035001	BIELA HORQUILLA DCH.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	90035002	BIELA HORQUILLA IZQD.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	90036002	SEP.B.P.40/28* 35mm.
60000156	TUER.EXAG.DIN-934 10 8.8 ZINC.	90038900	PASADOR BALLESTA DACROMET
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC.	90039910	BALLESTA MAESTRA VERDE RAL-6029
60000179	TORN.EXAG.DIN-931 10* 60 10.9 ZINC.	90040910	BALLESTA 1er.RFZO.VERDE RAL-6029
60000236	TORN.EXAG.DIN-933 12* 70 10.9 ZINC.	90041910	BALLESTA 2° RFZO.VERDE RAL-6029
60000299	TORN.EXAG.DIN-933 10* 30 8.8	90042910	BALLESTA 3er.RFZO.VERDE RAL-6029
60000338	TORN.EXAG.DIN-931 12* 65 10.9 ZINC.	90043910	BALLESTA BOTON VERDE RAL-6029
60000056	TORN.EXAG.DIN-933 12* 20 12.9	90044920	CAMBA SB 25mm 75cm DESPEJE.
60000459	TORN.EXAG.C/LAR. 20* 70 10.9	90044925	CAMBA SB 25mm
60000469	TUER.EXAG.DIN-934 1"SAE 10.9 ZINC.	95033950	BULON GIRO HORQ.(D/04)
60000470	TUER.BAJA DIN-936 1"SAE 10.9 ZINC.	95036001	BULON ARTIC.HORQUILLA (D/99)
61000007	ARAND.DIN-9021 10 ZINC.	95047900	CASQ.D= 65/49,3/35*25,5mm.GIRO HORQUILLA
61000008	ARAND.DIN-125 12 ZINC.	96074900	TORN.FUSIBLE 20*70 10.9



ARM "XL-B"

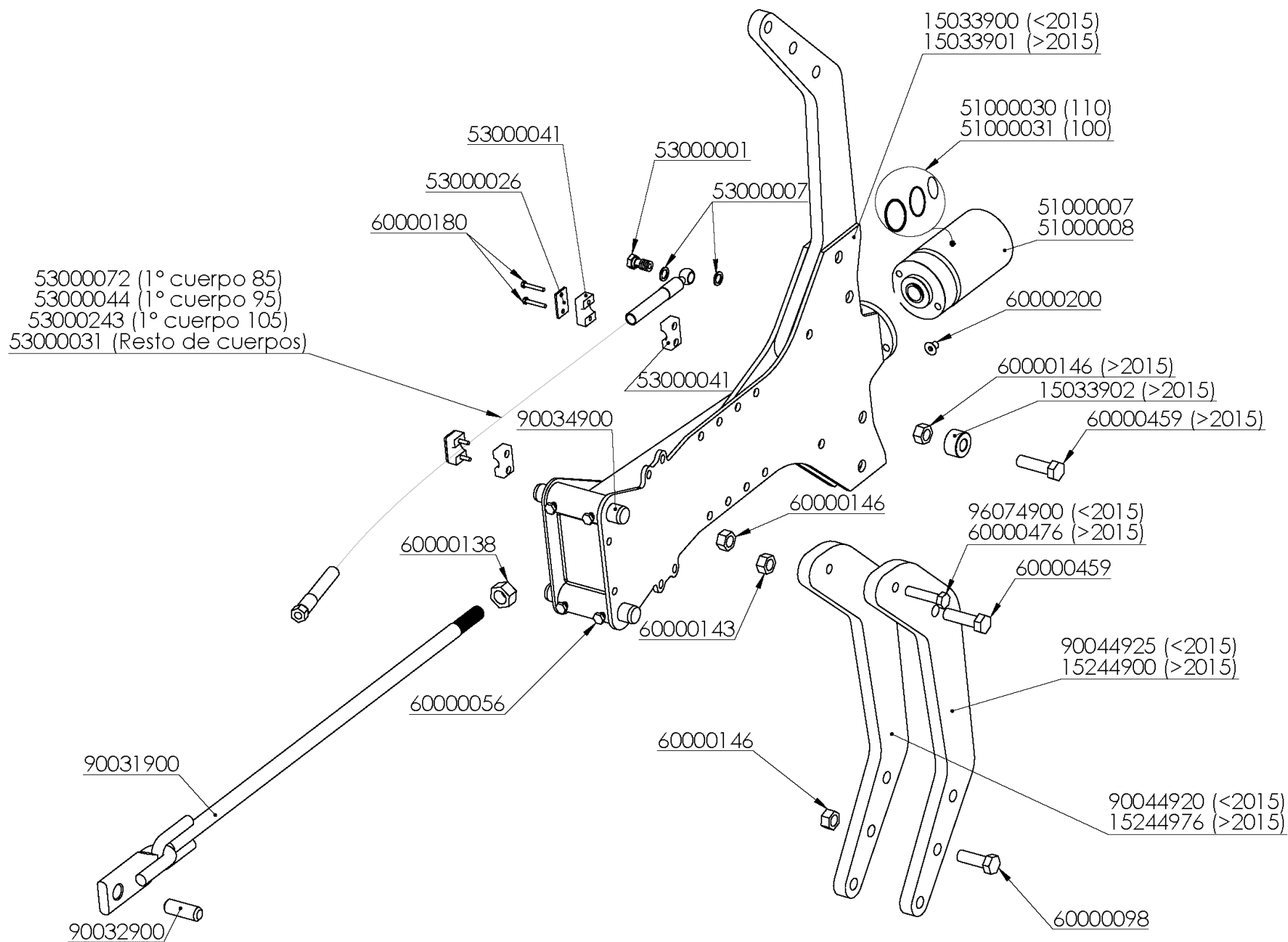


ARM "XL-B"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
37002901	BULON APOYO ANCORA MR	62000032	PASADOR ELAST.DIN-1481 3* 30 ZINC.
53000004	ENGRASADOR AC° DIN-71412 8*125	81031900	BARRA TENSORA LVH
60000052	TORN.EXAG.DIN-931 10* 55 10.9 ZINC.	81033950	BRAZO PORTACAMBA LVB
60000098	TORN.EXAG.DIN-931 20* 60 8.8	81033951	BRAZO PORTACAMBA LVB-76
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	81033960	BRAZO PORTACAMBA LVB (D/18)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	81033961	BRAZO PORTACAMBA LVB-76 (D/18)
60000156	TUER.EXAG.DIN-934 10 8.8 ZINC.	90032900	BULON D=25* 70mm.TIRO BARRA TENSORA
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC.	90035001	BIELA HORQUILLA DCH.
60000179	TORN.EXAG.DIN-931 10* 60 10.9 ZINC.	90035002	BIELA HORQUILLA IZQD.
60000218	TORN.ALLEN DIN-913 12* 16 12.9	90036001	BULON ARTIC.HORQUILLA (H/99)
60000236	TORN.EXAG.DIN-933 12* 70 10.9 ZINC.	90036002	SEP.B.P.40/28* 35mm.
60000299	TORN.EXAG.DIN-933 10* 30 8.8	90038900	PASADOR BALLESTA DACROMET
60000338	TORN.EXAG.DIN-931 12* 65 10.9 ZINC.	90039910	BALLESTA MAESTRA VERDE RAL-6029
60000469	TUER.EXAG.DIN-934 1"SAE 10.9 ZINC.	90040910	BALLESTA 1er.RFZO.VERDE RAL-6029
60000470	TUER.BAJA DIN-936 1"SAE 10.9 ZINC.	90041910	BALLESTA 2° RFZO.VERDE RAL-6029
61000007	ARAND.DIN-9021 10 ZINC.	90042910	BALLESTA 3er.RFZO.VERDE RAL-6029
61000008	ARAND.DIN-125 12 ZINC.	90043910	BALLESTA BOTON VERDE RAL-6029
61000010	ARAND.DIN-125 16 ZINC.	95033950	BULON GIRO HORQ.(D/04)
62000008	PASADOR ELAST.DIN-1481 5* 30 ZINC.	95036001	BULON ARTIC.HORQUILLA (D/99)
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.	95047900	CASQ.D= 65/49,3/35*25,5mm.GIRO HORQUILLA



ARM "SH-LH"

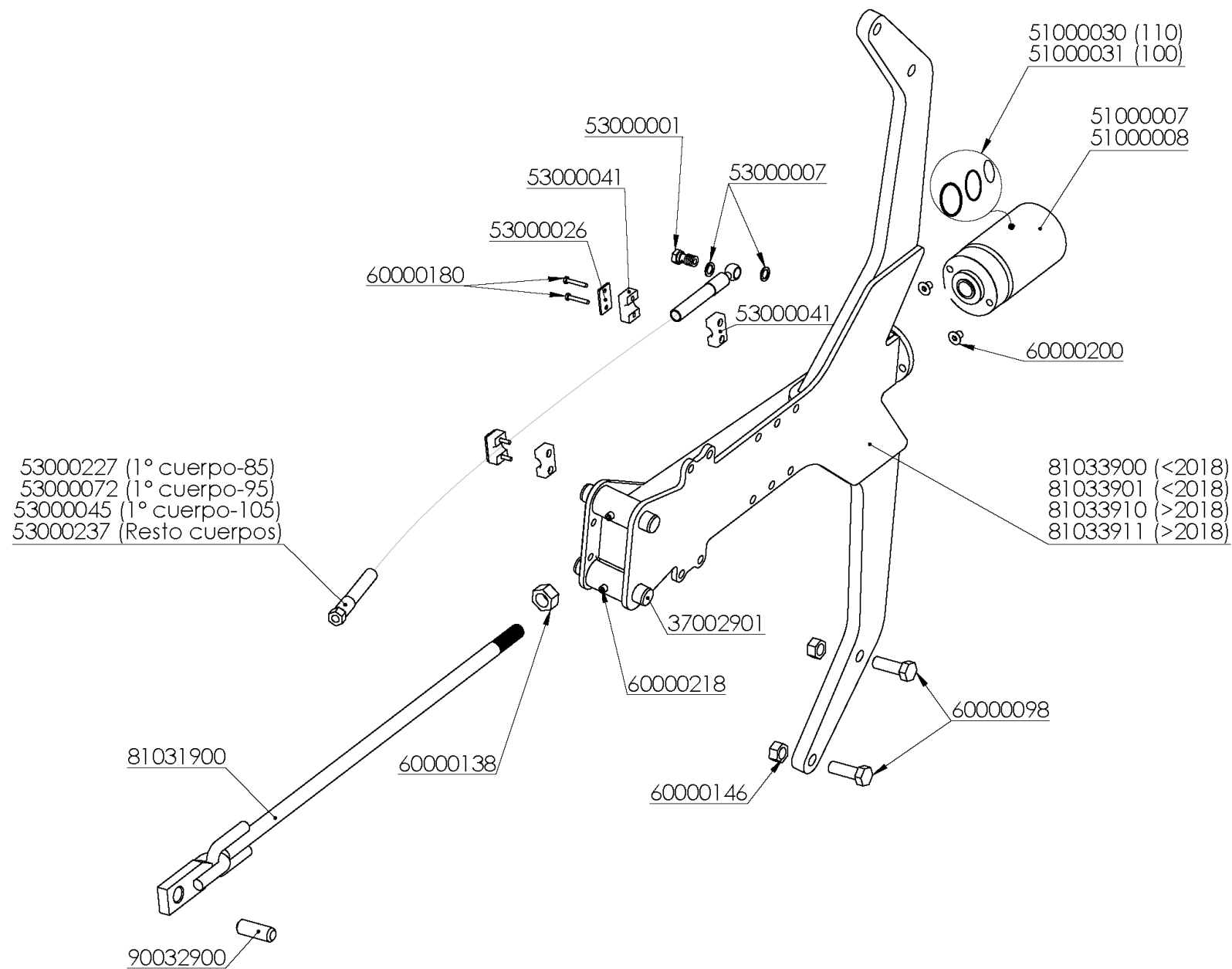


ARM "SH-LH"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15033900	BRAZO PORTACAMBA SH (D/13)	53000243	LATIG.R2-3/8*2000mm.OR-3/8/TL-18
15033901	BRAZO PORTACAMBA SH (D/15)	60000056	TORN.EXAG.DIN-933 12* 20 12.9
15033902	CASQ.D= 45/20,5*26mm.PORTACAMBA SB	60000098	TORN.EXAG.DIN-931 20* 60 8.8
15244900	CAMBA XPH 25mm	60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
15244976	CAMBA XPH 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)	60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.
51000031	J.JUNTAS CIL.TRACC. 100/36/90 (CICRO)	60000459	TORN.EXAG.C/LAR. 20* 70 10.9
53000001	TORNILLO SIMPLE 3/8 4022	60000476	TORN.EXAG.C/LAR. 16* 65 10.9 (FUSIBLE)
53000007	JUNTA METAL/GOMA 3/8" 11602	90031900	BARRA TENSORA
53000026	PLACA RFZO.AB.SIMPLE 20 DP3	90032900	BULON D=25* 70mm.TIRO BARRA TENSORA
53000031	LATIG.R2-3/8*1300mm.OR-3/8/TL-18	90034900	BULON APOYO ANCORA
53000041	ABRAZ.SIMPLE D=19mm. 319PP	90044920	CAMBA SB 25mm 75cm DESPEJE (H/15)
53000044	LATIG.R2-3/8*1900mm.OR-3/8/TL-18	90044925	CAMBA SB 25mm (H/15)
53000072	LATIG.R2-3/8*1800mm.OR-3/8/TL-18	96074900	TORN.FUSIBLE 20*70 10.9



ARM "XL-H"

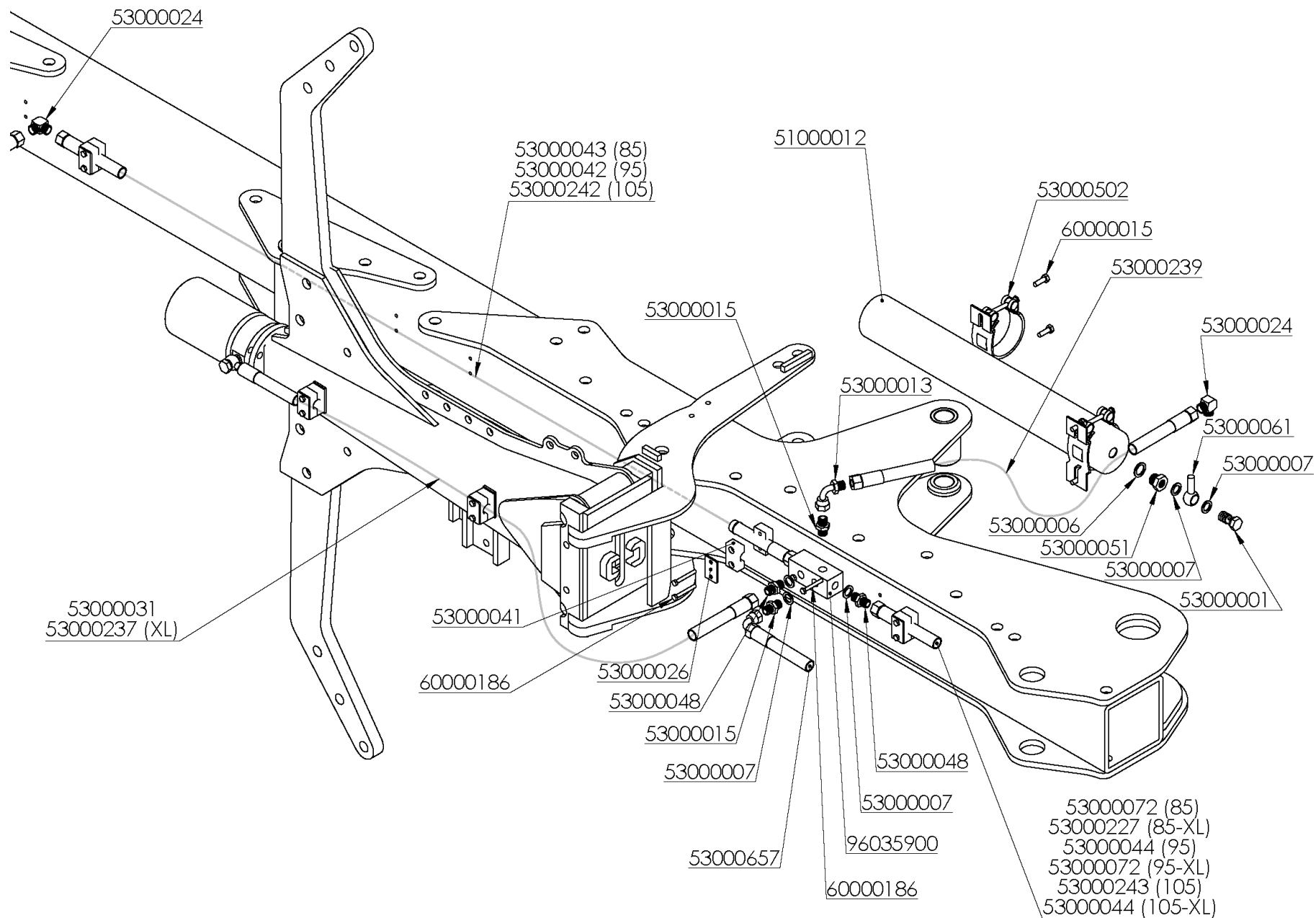


ARM "XL-H"

REFERENCIA	DESCRIPCIÓN
37002901	BULON APOYO ANCORA MR
51000007	CILIND.TRACCION 110/36/90 AR
51000008	CILIND.TRACCION 100/36/90 AR
51000030	J.JUNTAS CIL.TRACC. 110/36/90 (CICRO)
51000031	J.JUNTAS CIL.TRACC. 100/36/90 (CICRO)
53000001	TORNILLO SIMPLE 3/8 4022
53000007	JUNTA METAL/GOMA 3/8" 11602
53000026	PLACA RFZO.AB.SIMPLE 20 DP3
53000041	ABRAZ.SIMPLE D=19mm. 319PP
53000045	UNION REDUCCION 3/8-1/2 4072
53000072	LATIG.R2-3/8*1800mm.OR-3/8/TL-18
53000227	LATIG.R2-3/8*1700mm.OR-3/8/TL-18
53000237	LATIG.R2-3/8*1170mm.OR-3/8/TL-18
60000098	TORN.EXAG.DIN-931 20* 60 8.8
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.
60000218	TORN.ALLEN DIN-913 12* 16 12.9
81031900	BARRA TENSORA LVH
81033900	BRAZO PORTACAMBA LVH
81033901	BRAZO PORTACAMBA LVH-76
81033910	BRAZO PORTACAMBA LVH (D/18)
81033911	BRAZO PORTACAMBA LVH-76 (D/18)
90032900	BULON D=25* 70mm.TIRO BARRA TENSORA



HYDROPNEUMATIC SYSTEM

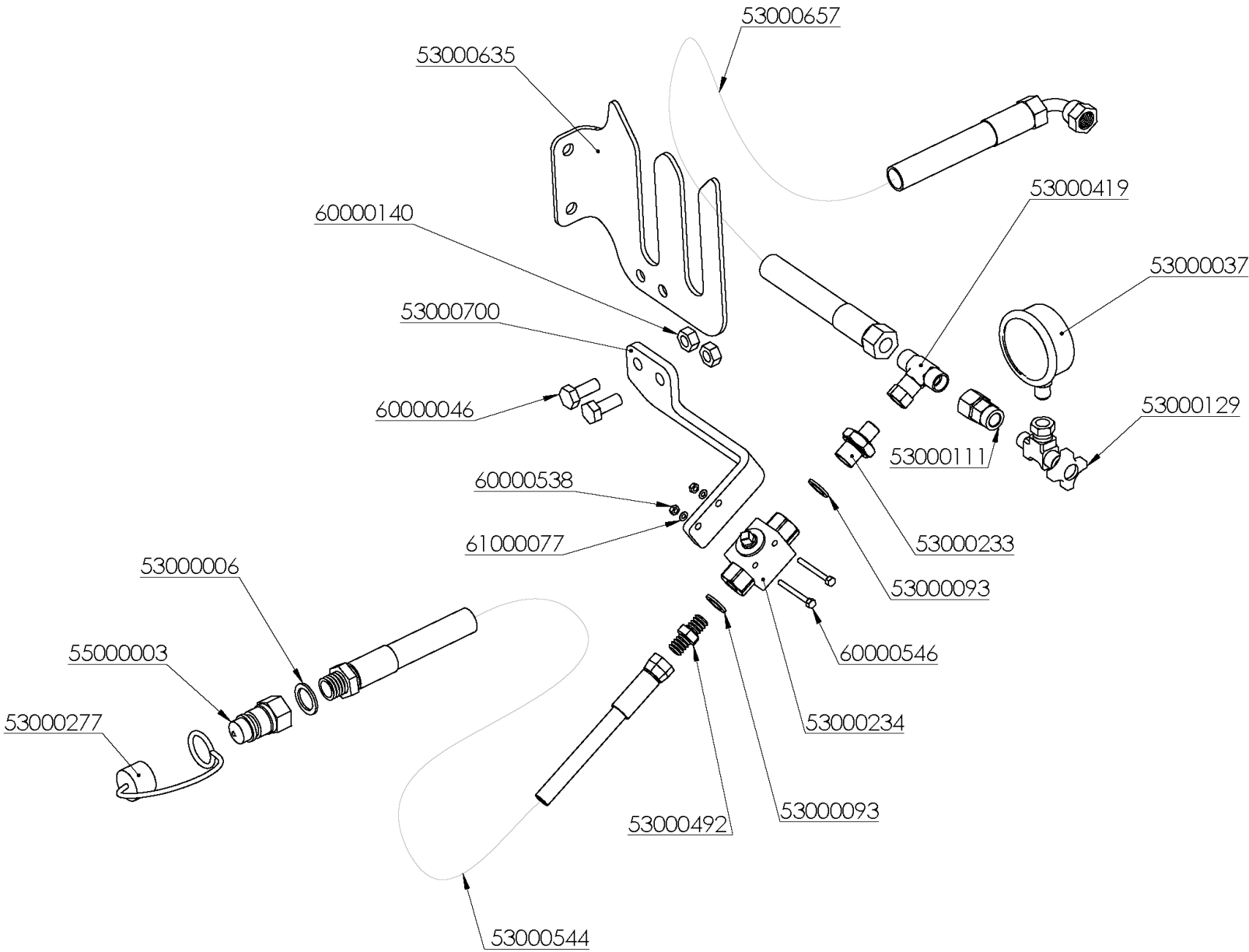


HYDROPNEUMATIC SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000012	ACUMULADOR PISTON PO20A41N10 RAL-6029	53000063	ADAPTADOR M/H LOCA 3/8 4312
53000001	TORNILLO SIMPLE 3/8 4022	53000072	LATIG.R2-3/8*1800mm.OR-3/8/TL-18
53000006	JUNTA METAL/GOMA 1/2" 11603	53000091	TAPON MACHO 3/8 4152
53000007	JUNTA METAL/GOMA 3/8" 11602	53000093	JUNTA METAL GOMA 1/4 11601
53000013	CODO 90° M/H-3/8" 4292	53000227	LATIG.R2-3/8*1700mm.OR-3/8/TL-18
53000015	UNION MACHO 3/8 4062	53000234	VALV.ESFERA 2/2 1/4 GE2 DN6
53000024	CODO TUBO/TUBO 12mm. W12-L	53000235	UNION REDUCCION 1/4-3/8 4071
53000026	PLACA RFZO.AB.SIMPLE 20 DP3	53000236	UNION REDUCCION 1/4-1/2 4371
53000031	LATIG.R2-3/8*1300mm.OR-3/8/TL-18	53000237	LATIG.R2-3/8*1170mm.OR-3/8/TL-18
53000041	ABRAZ.SIMPLE D=19mm. 319PP	53000239	LATIG.R2-3/8* 420mm.TL-3/8/TL-18
53000042	LATIG.R2-3/8* 930mm.TL-18/TL-18	53000242	LATIG.R2-3/8*1020mm.TL-18/TL-18
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000243	LATIG.R2-3/8*2000mm.OR-3/8/TL-18
53000044	LATIG.R2-3/8*1900mm.OR-3/8/TL-18	53000502	ABRAZ.ACUMULADOR 80/88 MPC
53000045	UNION REDUCCION 3/8-1/2 4072	53000657	LATIG.PREMIER-1/4*2390mm.CTL-3/8/TL-18
53000048	UNION MACHO BSP 3/8-12 GE12-L	60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.
53000051	REDUCTOR 1/2-3/8 4171	60000186	TORN.EXAG.DIN-931 6* 50 8.8 ZINC.
53000061	ESFERICO 3/8" TUBO 12mm.LARGO	96035900	SOP.TOMAS HIDRAULICAS



CHARGING HOSE

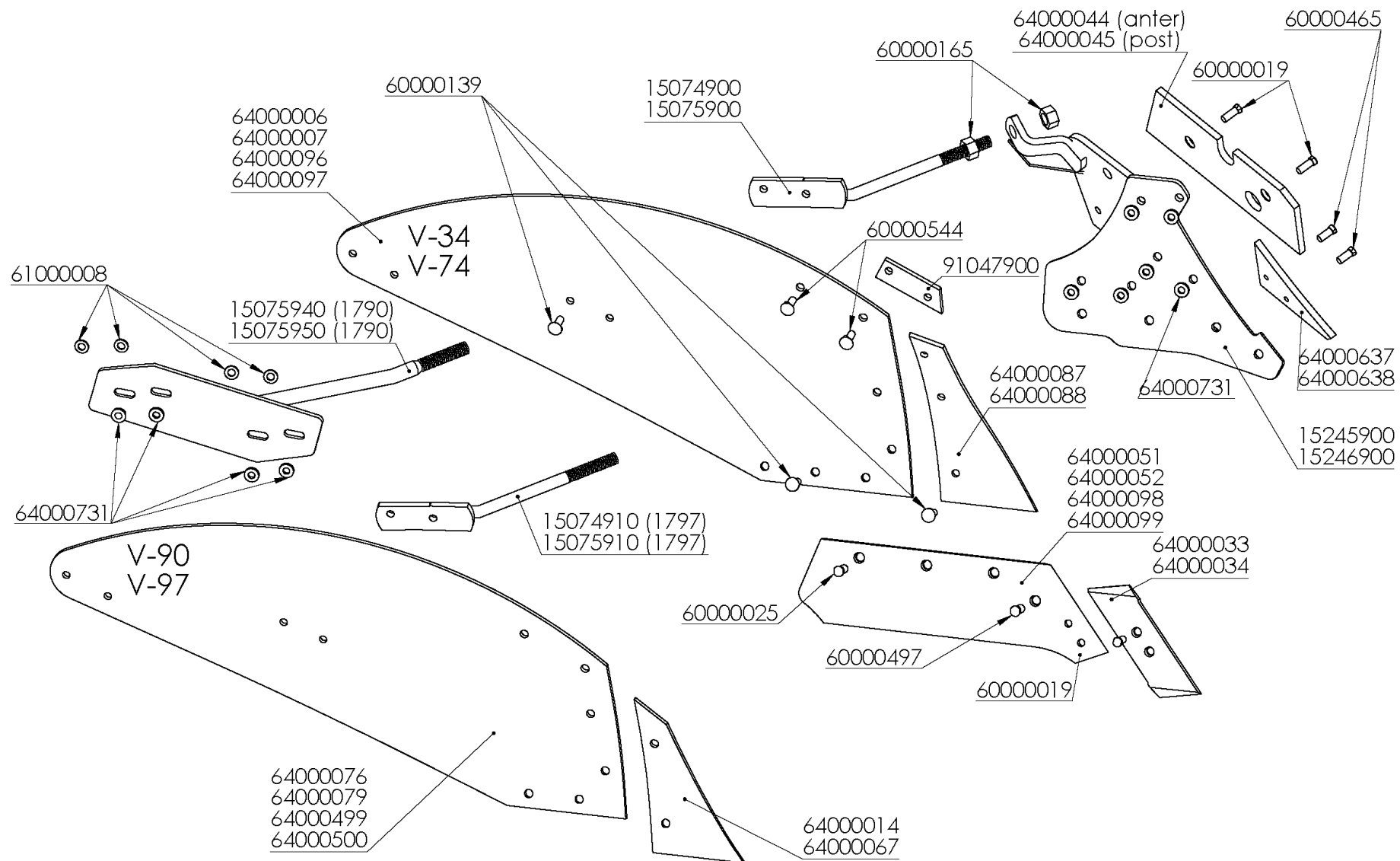


CHARGING HOSE

REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603
53000037	MANOM.GLIC.63 0-315 (MOD.OVLAC) 263R0-315
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
53000277	PROTECTOR E.R.MACHO 1/2" AZUL 5029-4PB
53000419	TE M/M C/TCA.LOCA CENTRAL 18x150 12L
53000492	UNION MACHO 1/4
53000544	LATIG.PREMIER-1/4*1200mm.MF-1/2/TL-1/4
53000635	SOPORTE LATIG.TORRETA 2 HUECOS XP ZINC.
53000657	LATIG.PREMIER-1/4*2390mm.CTL-3/8/TL-18
53000700	SOP.LATIG.DIRECTO SH
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.
60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
60000546	TORN.EXAG.DIN-931 4* 45 8.8 ZINC.
61000077	ARAND.DIN-125 4 ZINC.



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

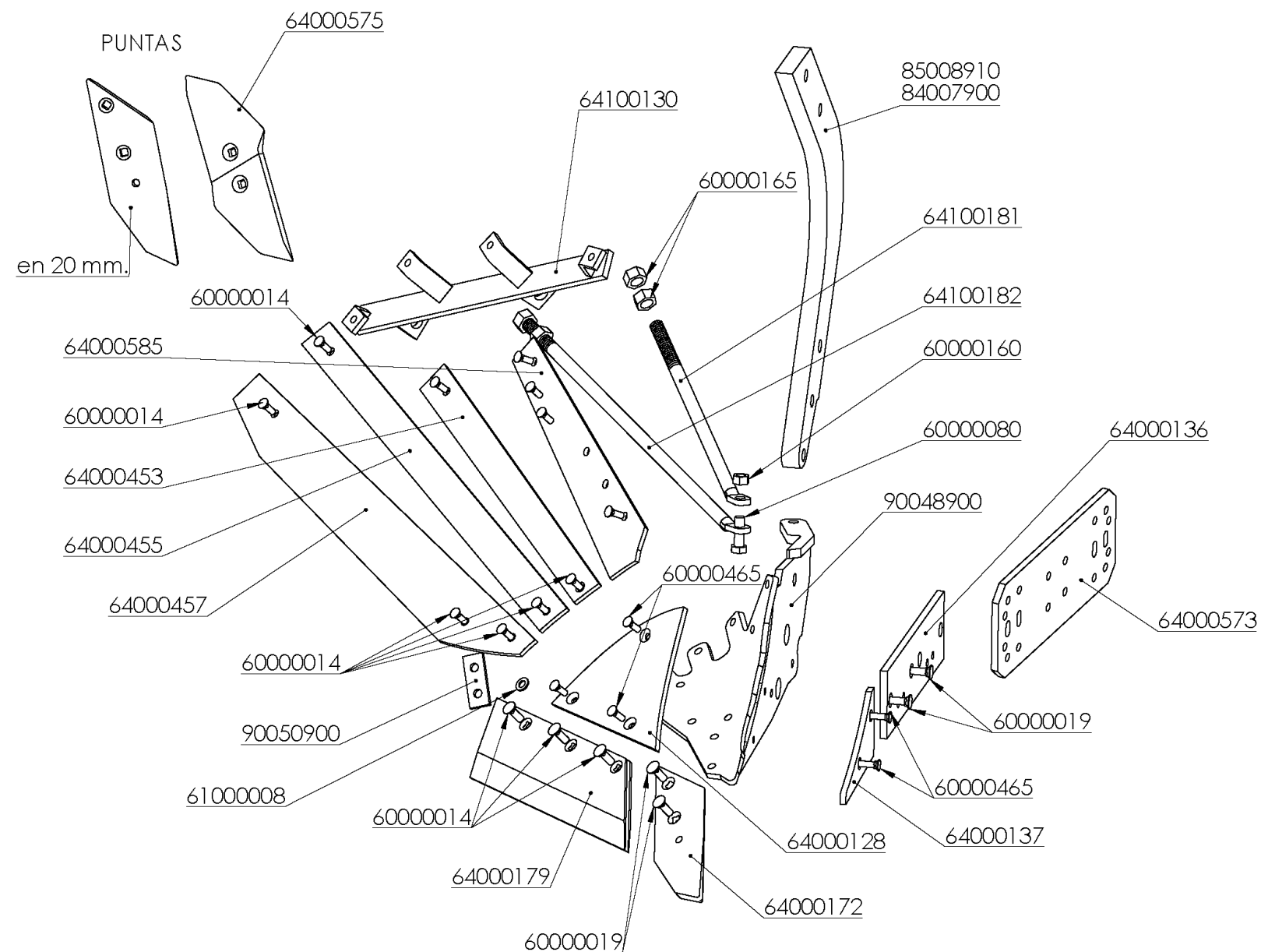


BODIES V-97 V-34 V-90 V-74

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15045900	PORTA-REJAS DCH. V-97/ V-34 (D/04)	64000034	PUNTA REJA 1365-I 65x12mm.
15074900	TENSOR V-34 CORTO DCH.(D/04)	64000044	COSTANERA CORTA 2338-CAV-BAR
15074910	TENSOR V-97 CORTO DCH.(D/04)	64000045	COSTANERA LARGA 2339-CAV-BAR
15074920	TENSOR V-90 CORTO DCH.	64000051	REJA 1434-17-D-CAV
15074930	TENSOR V-90 LARGO DCH.	64000052	REJA 16"-I-CAV
15075900	TENSOR 1834 CORTO IZQD.(D/04)	64000067	COMPLEMENTO BORO 1798-I-CAV
15075910	TENSOR 1797 CORTO IZQD.(D/04)	64000076	VERTEDERA CEMENT.1797-D-CAV
15075940	TENSOR 1790 DCH. (D/18)	64000079	VERTEDERA CEMENT.1797-I-CAV
15075950	TENSOR 1790 IZQ. (D/18)	64000087	COMPLEMENTO BORO 1849-D-CA
15245900	PORTA-REJAS DCH.1797/1834 (D/17)	64000088	COMPLEMENTO BORO 1849-I-CA
15246900	PORTA-REJAS IZQD.1797/1834 (D/17)	64000096	VERTEDERA BORO V-74-D-CAV
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000097	VERTEDERA BORO 1874-I-CAV
60000025	TORN.ARADO C/OV/934 14*35 12.9	64000098	REJA 18"-D-CAV
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.	64000099	REJA 18"-I-CAV
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000499	VERTEDERA CEMENT. V-90-D-CAV (KV-28)
60000465	TORN.ARADO C/OV/934 10*33 12.9	64000500	VERTEDERA CEMENT.1790-I-CAV (KV-28)
60000497	TORN.ARADO C/OBL/934 14*34 12.9	64000608	VERTEDERA BORO 1790-D-CAV (KV-28)
60000544	TORN.ARADO 2TET/934 12*20 8.8 ZINC.	64000637	PUNTA COSTAN.D 1797/1834
61000008	ARAND.DIN-125 12 ZINC.	64000638	PUNTA COSTAN.I 1797/1834
64000006	VERTEDERA CEMENT. V-34-D-CAV	64000731	ARAND.GOMA ADHESIVA M-12 REFORZADA
64000007	VERTEDERA CEMENT.1834-I-CAV	85076910	SOP.TENSOR LARGO V-90
64000014	COMPLEMENTO BORO 1798-D-CAV	91047900	PLETINA UNION VERT./COMPL. V-34
64000033	PUNTA REJA 1365-D 65x12mm.		



SLATTED BODY "OV"

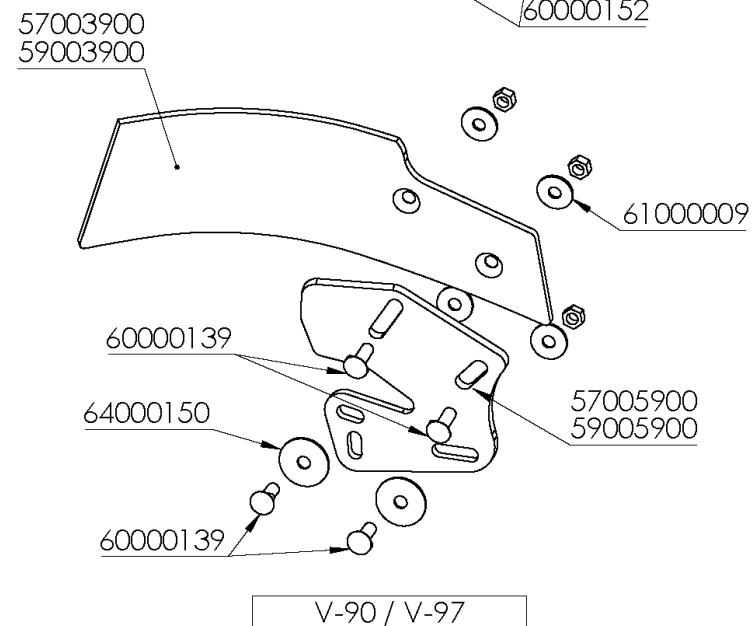
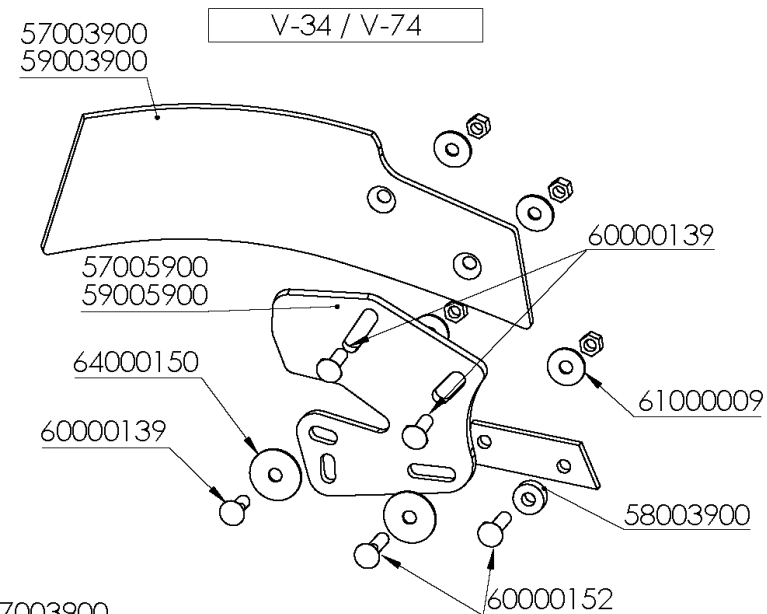
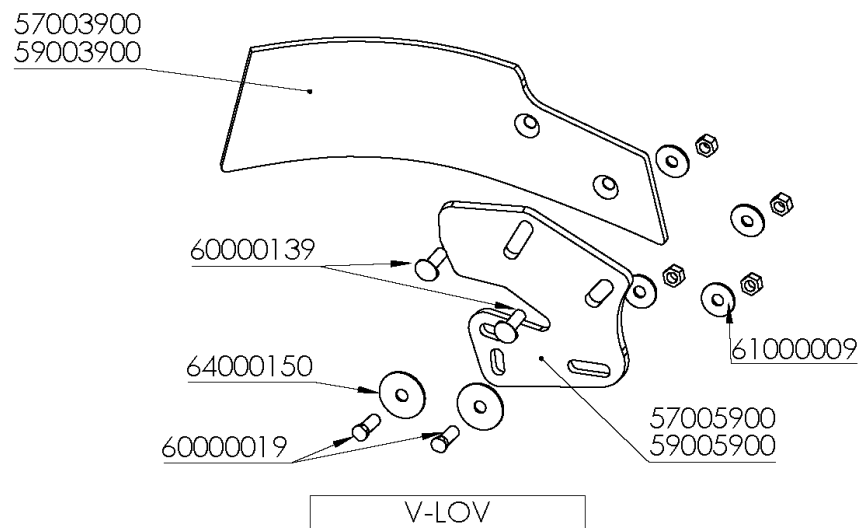
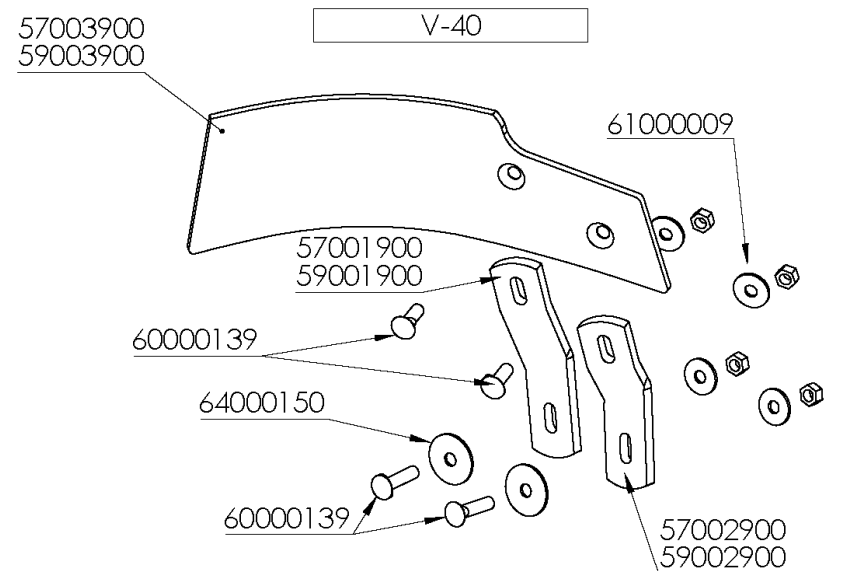


SLATTED BODY "OV"

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000014	TORN.ARADO C/OV/934 12*33 12.9	64000183	CORTANTE D-LK 3492890
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.	64000455	LAMINA 3-D (D/09-11)
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	64000457	LAMINA 4-D (D/09-11)
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000573	COSTANERA XL D/I LOV
60000227	TORN.ALLEN DIN-7991 20* 60 12.9	64000575	PUNTA REJA D LOV REVERS.
60000381	TORN.ARADO DIN-608/934 10*40 8.8	64000585	LAMINA 1-D-XL REVERS.
60000465	TORN.ARADO C/OV/934 10*33 12.9	64100130	SOP.TENSOR D LOV RFZD.
61000008	ARAND.DIN-125 12 ZINC.	64100181	SENSOR CORTO RFZD.LOV
64000128	COMPLEMENTO D LOV	64100182	SENSOR LARGO RFZD.LOV
64000136	COSTANERA D/I LOV	84007900	CAMBA FRF / FFN
64000137	PUNTA COSTAN.D LOV	85008910	CAMBA FRBV/FB P/CUERPO LAM.
64000172	PUNTA REJA D LOV 15mm.	90048900	PORTA-REJAS DCH.LOV
64000179	REJA 20"D LOV	90050900	PLETINA UNION VERT-REJA LOV



TRASHBOARDS

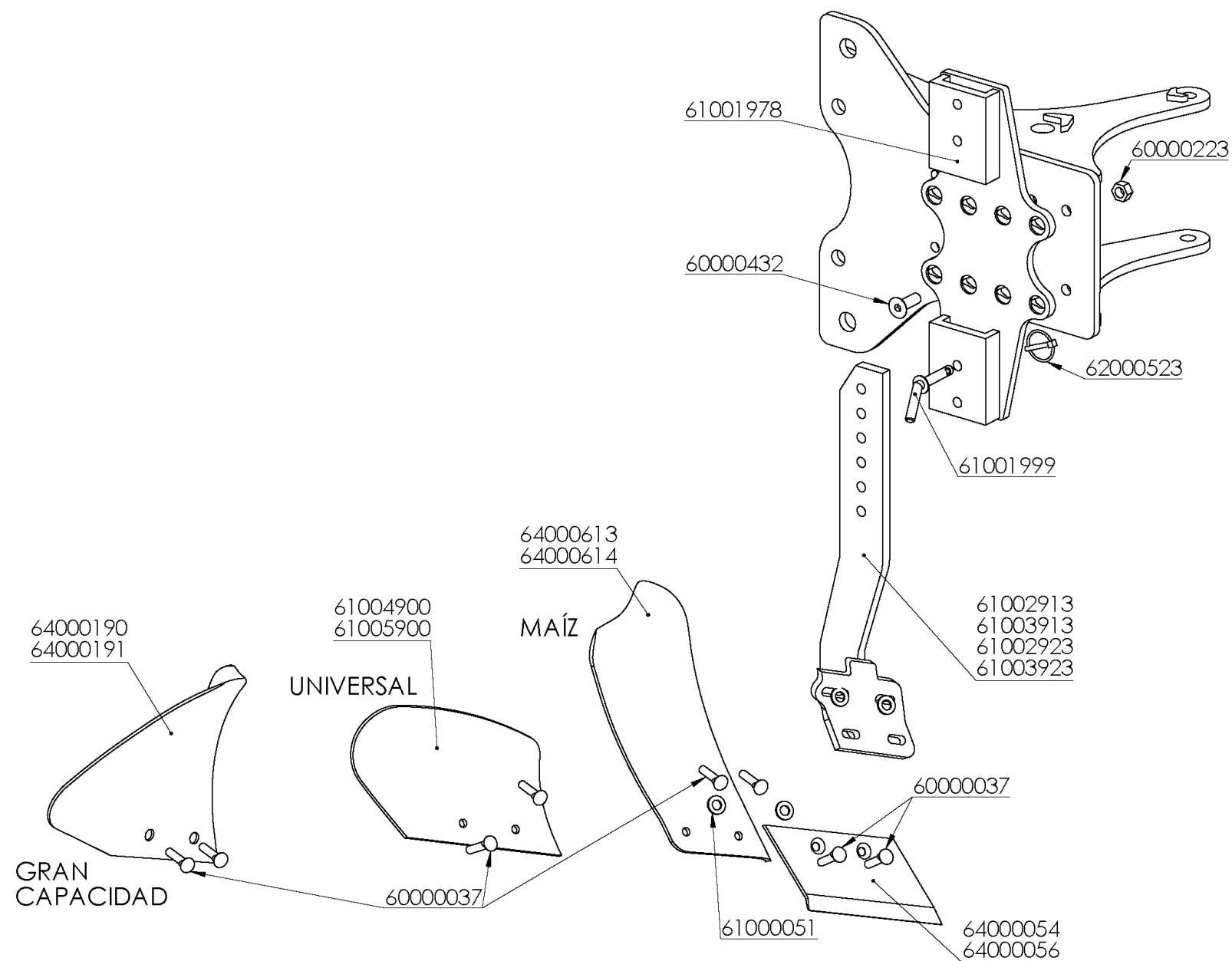


TRASHBOARDS

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

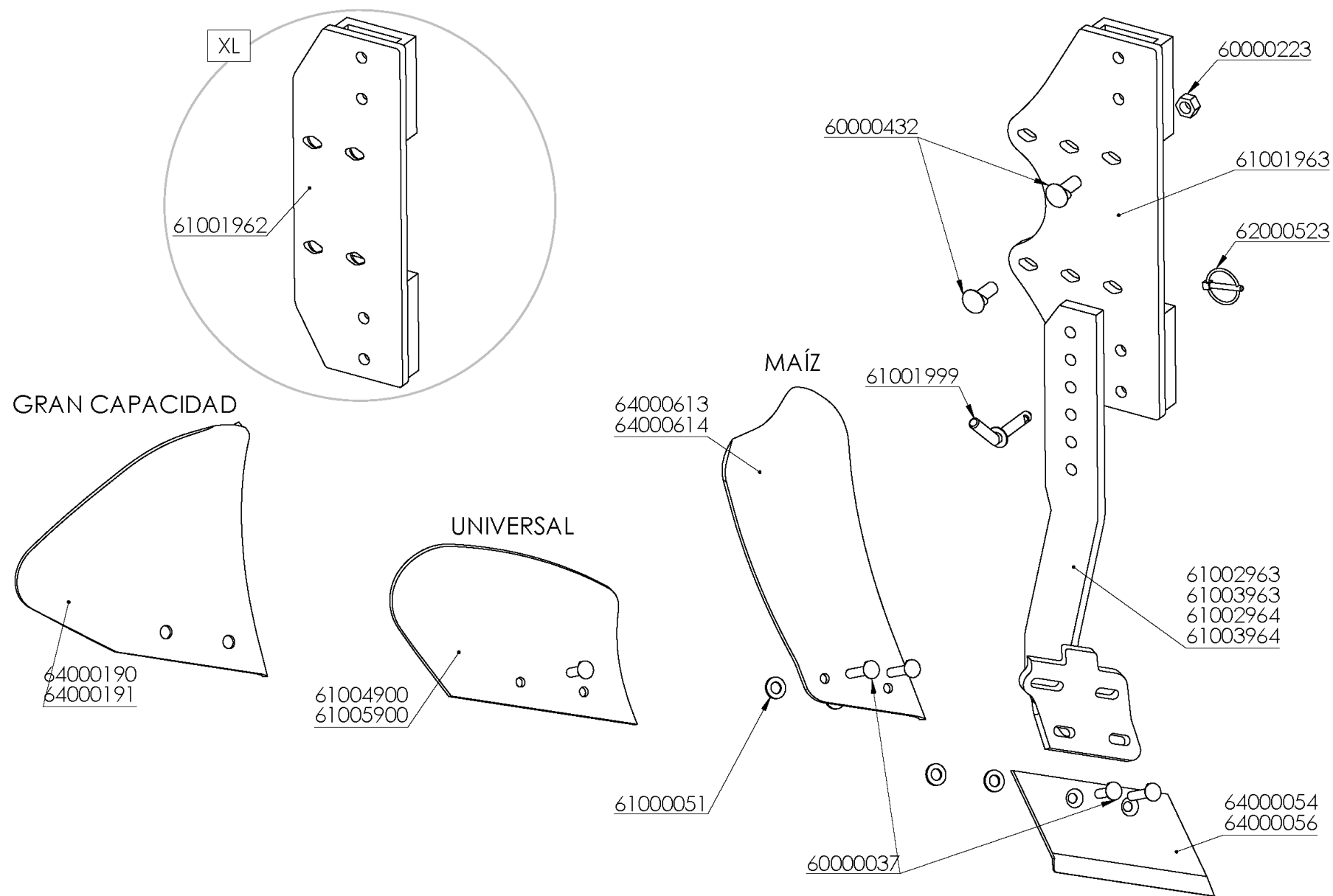


SHEARBOLT SKIMMERS

REFERENCIA	DESCRIPCIÓN
60000037	TORN.ARADO 2TET/934 10*35 10.9 ZINC.
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.
60000432	TORN.ARADO 2TET/934 14*40 10.9 ZINC.
61000051	ARAND.DIN-125 10 ZINC.
61000072	ARAND.DIN-125 300HV 10 ZINC.
61001978	SOP.RASETAS SN D/76cm.(D/13)
61001999	BULON D=12*120mm. REG.RASETAS
61002913	BRAZO RASETA DCH.SN (D/13-AG)
61002923	BRAZO RASETA DCH.SN 86cm.(D/13-AG)
61003913	BRAZO RASETA IZQD.SN (D/13-AG)
61003923	BRAZO RASETA IZQD.SN 86cm.(D/13-AG)
61004900	RASETA UNIV.1855-D-CAV
61005900	RASETA UNIV.1855-I-CAV
62000523	ANILLA PASADOR INOX-316 1,8x25
64000054	REJA RASETA 1394-D-CAV
64000056	REJA RASETA 1394-I-CAV
64000190	RASETA 1705-D-CAV BORO
64000191	RASETA 1705-I-CAV BORO
64000613	RASETA MAIZ OVLAC-D BORO
64000614	RASETA MAIZ OVLAC-I BORO



NON-STOP SKIMMERS

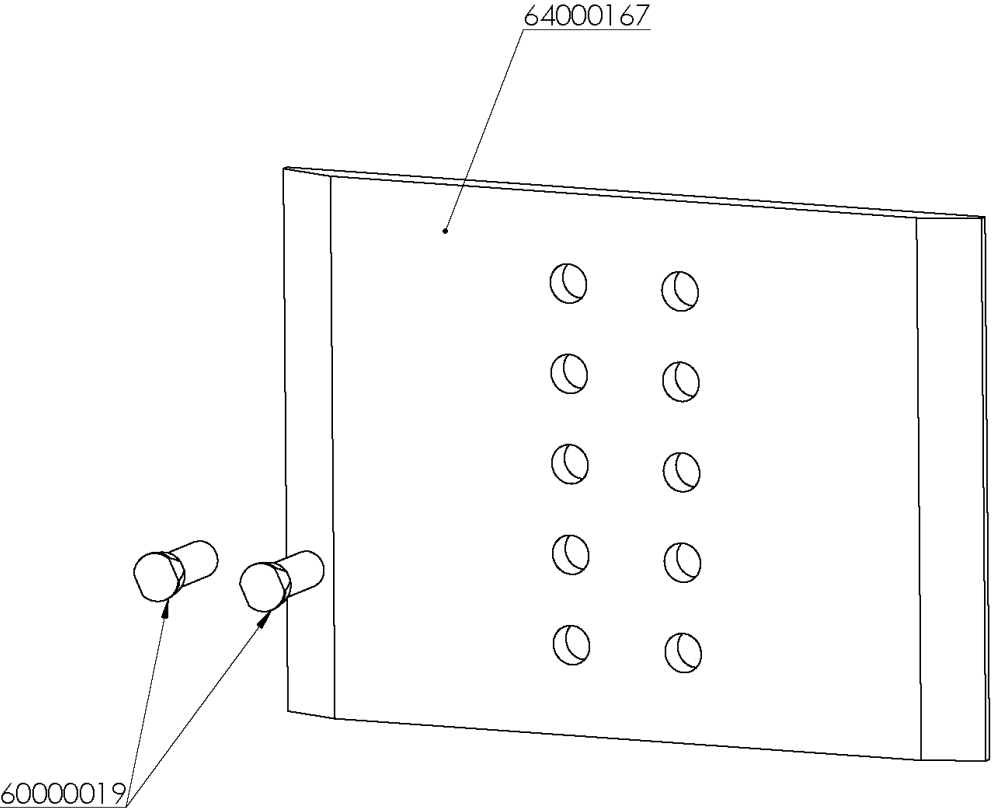


NON-STOP SKIMMERS

REFERENCIA	DESCRIPCIÓN
60000037	TORN.ARADO 2TET/934 10*35 10.9 ZINC.
60000213	TORN.ARADO 2TET/934 10*45 10.9 ZINC.
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.
60000432	TORN.ARADO 2TET/934 14*40 10.9 ZINC.
61000051	ARAND.DIN-125 10 ZINC.
61000072	ARAND.DIN-125 300HV 10 ZINC.
61001962	SOP.RASETAS LVH D/76 (D/13)
61001963	SOP.RASETAS SBHN D/76cm.(D/13)
61001999	BULON D=12*120mm. REG.RASETAS
61002963	BRAZO RASETA SB/H-LVB/H DCH.(D/13-AG)
61002964	BRAZO RASETA SB/H-LVB/H DCH.(LARGO-AG)
61003963	BRAZO RASETA SB/H-LVB/H IZQD.(D/13-AG)
61003964	BRAZO RASETA SB/H-LVB/H IZQD.(LARGO-AG)
61004900	RASETA UNIV.1855-D-CAV
61005900	RASETA UNIV.1855-I-CAV
62000523	ANILLA PASADOR INOX-316 1,8x25
64000054	REJA RASETA 1394-D-CAV
64000056	REJA RASETA 1394-I-CAV
64000190	RASETA 1705-D-CAV BORO
64000191	RASETA 1705-I-CAV BORO
64000613	RASETA MAIZ OVLAC-D BORO
64000614	RASETA MAIZ OVLAC-I BORO



LANDSLIDE EXTENSION

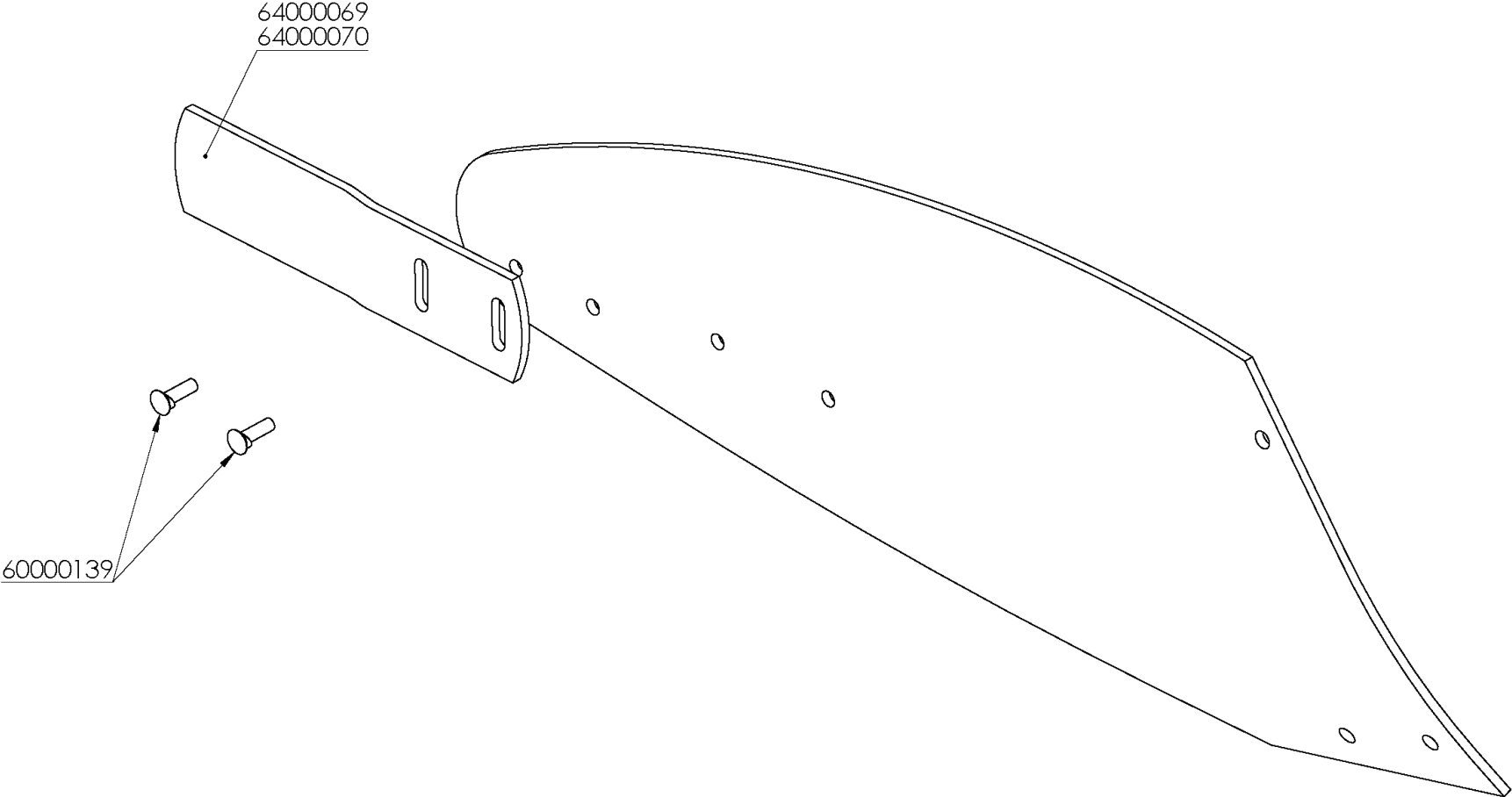


LANDSLIDE EXTENSION

REFERENCIA	DESCRIPCIÓN
64000167	TALONERA 2357
60000019	TORN.ARADO C/OV/934 12*36 12.9



MOULDBOARD TAIL SUPPLEMENT

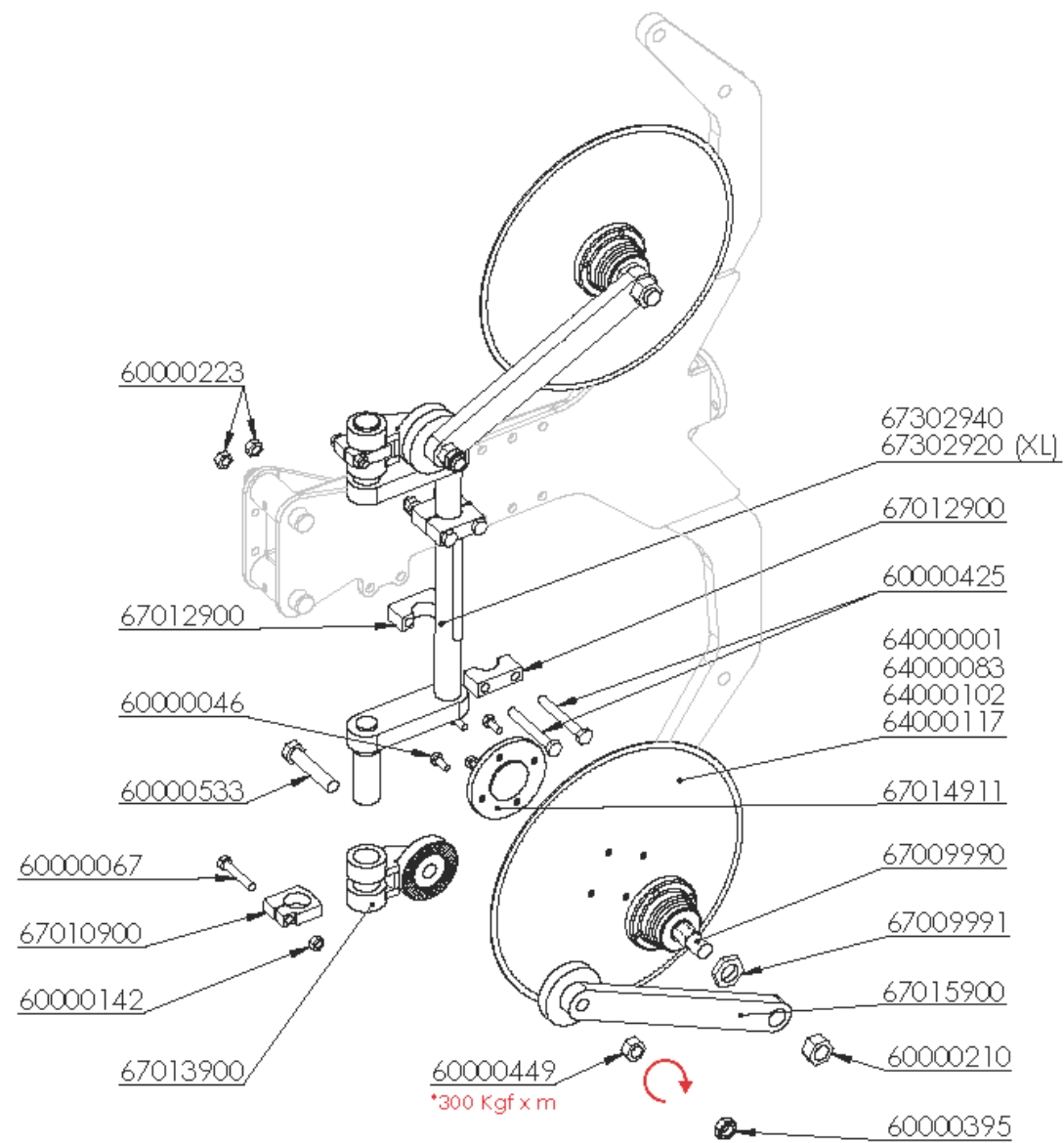


MOULDBOARD TAIL SUPPLEMENT

REFERENCIA	DESCRIPCIÓN
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.
64000069	COLA VERTEDERA 1829-D
64000070	COLA VERTEDERA 1829-I



DISCS 20' LB-SB-LH-SH

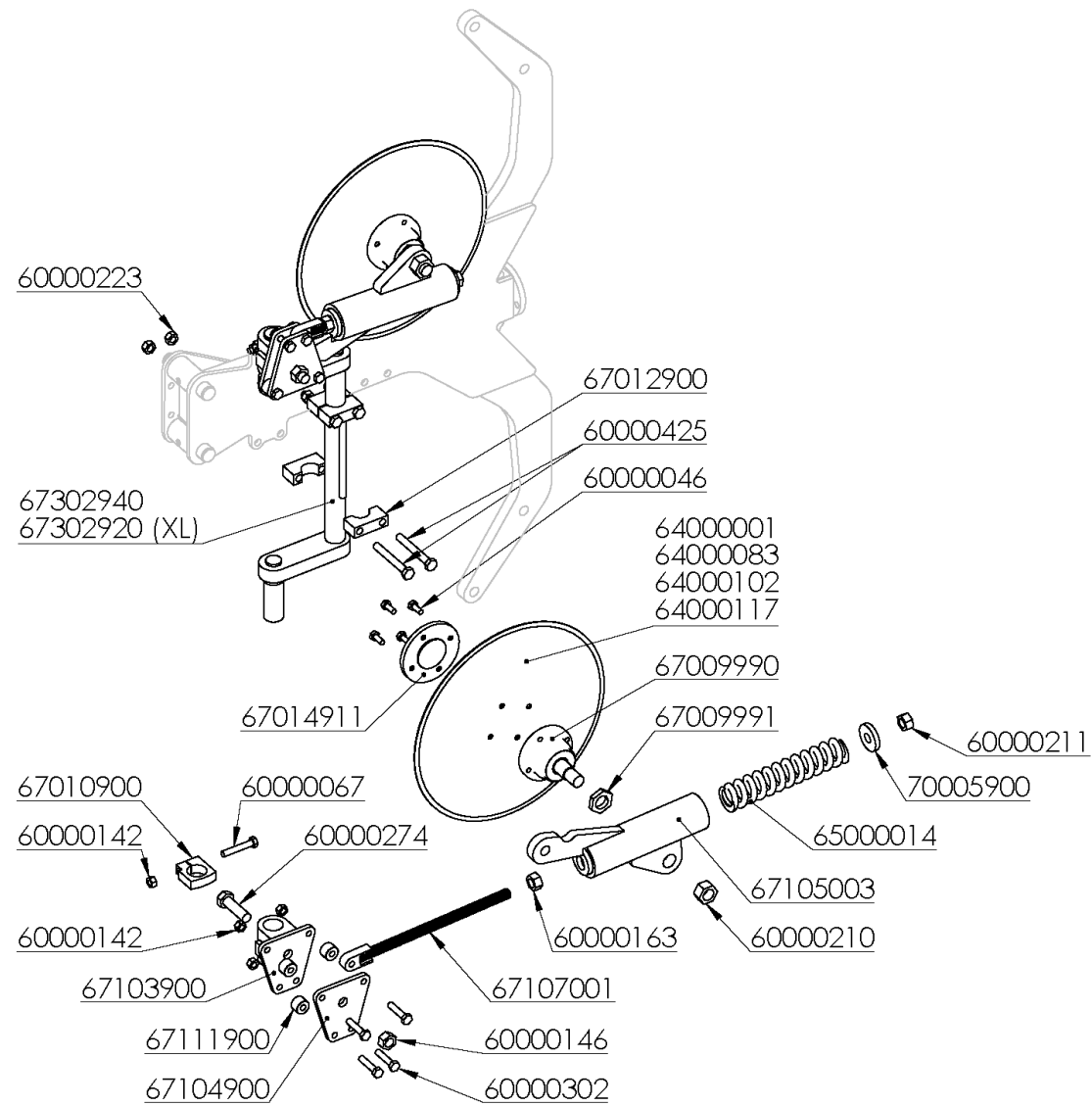


DISCS 20' LB-SB-LH-SH

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	67009991	ARANDELA FRENO BUJE DISCOS
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67010900	ABRAZ.REGULACION ZINCADA
60000395	TUER.AUTO.DIN-980 20 8.8 BAJA ZINC.	67012900	ABRAZ.PRISION ZINC.
60000425	TORN.EXAG.DIN-931 14*110 10.9 ZINC.	67013900	SOP.GIRO DISCOS 20"
60000449	TUER.EXAG.DIN-934 20 8.8 ZINC.	67014911	TAPA DISCOS (D/22)
60000533	TORN.EXAG.C/LAR. 20* 100 10.9 ZN.	67015900	BRAZO DISCOS 20"
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68	67302920	MANIVELA LVB/H
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68	67302940	MANIVELA SB/H (D/16)



DISCS 20' NON-STOP LB-SB-LH-SH

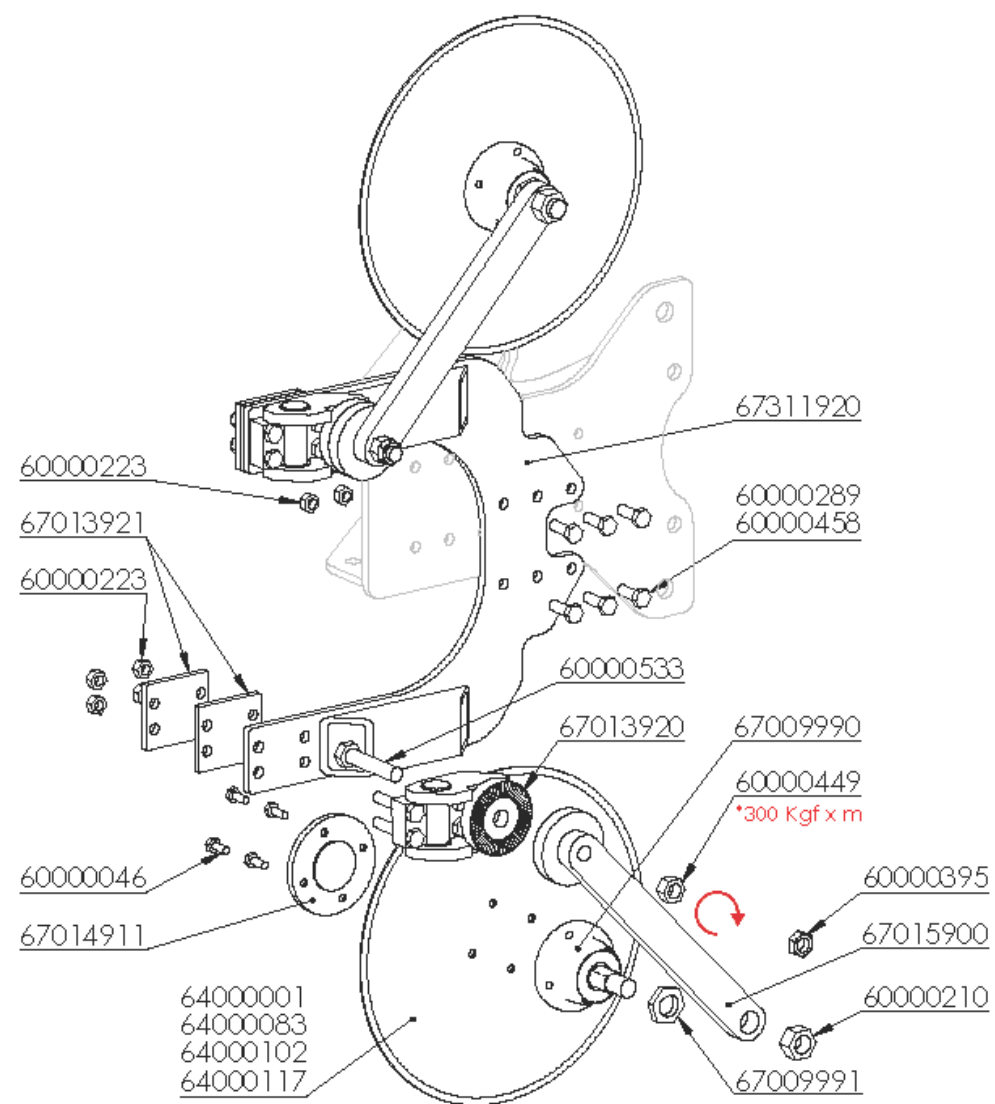


DISCS 20' NON-STOP LB-SB-LH-SH

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	65000014	MUELLE COMPR.CILIN.275*57*12 LUZ-5
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. CON SOBREGOLPE	67010900	ABRAZ.REGULACION ZINCADA
60000163	TUER.EXAG.DIN-934 20 8.8	67012900	ABRAZ.PRISION ZINC.
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	67014911	TAPA DISCOS (D/22)
60000211	TUER.AUTO.DIN-985 20 8.8 ZINC.	67103900	GIRO DISCOS NON-STOP
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67104900	PLACA SOP.GIRO DISCOS NON-STOP
60000274	TORN.EXAG.DIN-931 20* 70 8.8 ZINC.	67105003	TUBO BRAZO DISCOS NON-STOP
60000302	TORN.EXAG.DIN-931 12* 55 8.8	67107001	HUSILLO MUELLE DISCO NON-STOP
60000425	TORN.EXAG.DIN-931 14*110 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	67302920	MANIVELA LVB/H
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68	67302940	MANIVELA SB/H (D/16)
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		



DISCS 20' LF-SF

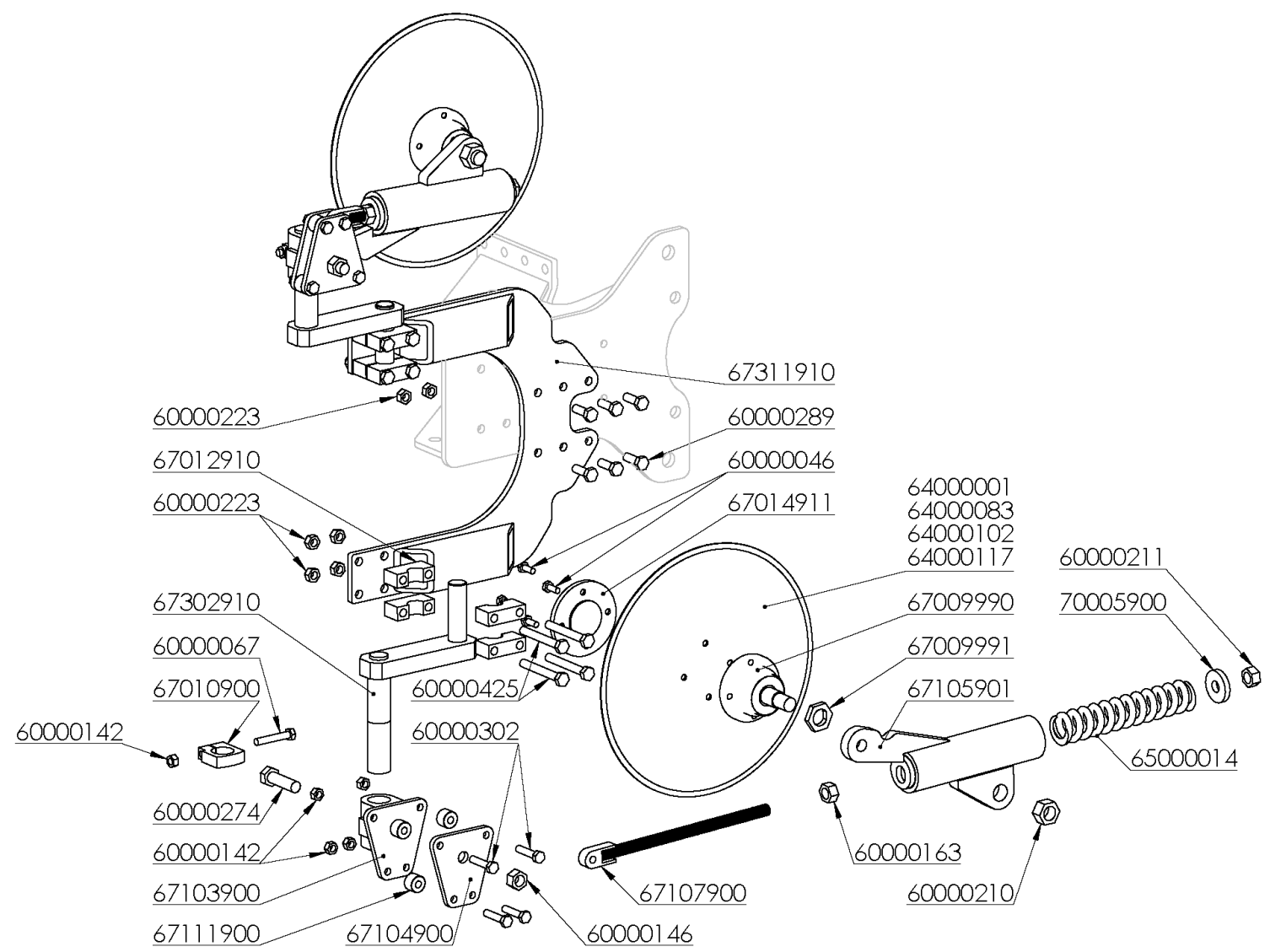


DISCS 20' LF-SF

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000289	TORN.EXAG.DIN-931 14* 40 12.9 DACROMET	67009991	ARANDELA FRENO BUJE DISCOS
60000395	TUER.AUTO.DIN-980 20 8.8 BAJA ZINC.	67013920	SOP.GIRO DISCOS 20" RDA.AVZDA.
60000449	TUER.EXAG.DIN-934 20 8.8 ZINC.	67013921	LLANTA CALZO DISCOS 20" RDA.AVZDA.
60000458	TORN.ARADO 2TET/934 14*55 10.9 ZINC.	67014911	TAPA DISCOS (D/22)
60000533	TORN.EXAG.C/LAR. 20* 100 10.9 ZN.	67015900	BRAZO DISCOS 20"
64000001	DISCO PLANO LISO ARADO 1983-18" 5mm.R-68	67311920	SOP.DISCOS SFN RDA.AVANZADA
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68		



DISCS NON-STOP 20' LF-SF

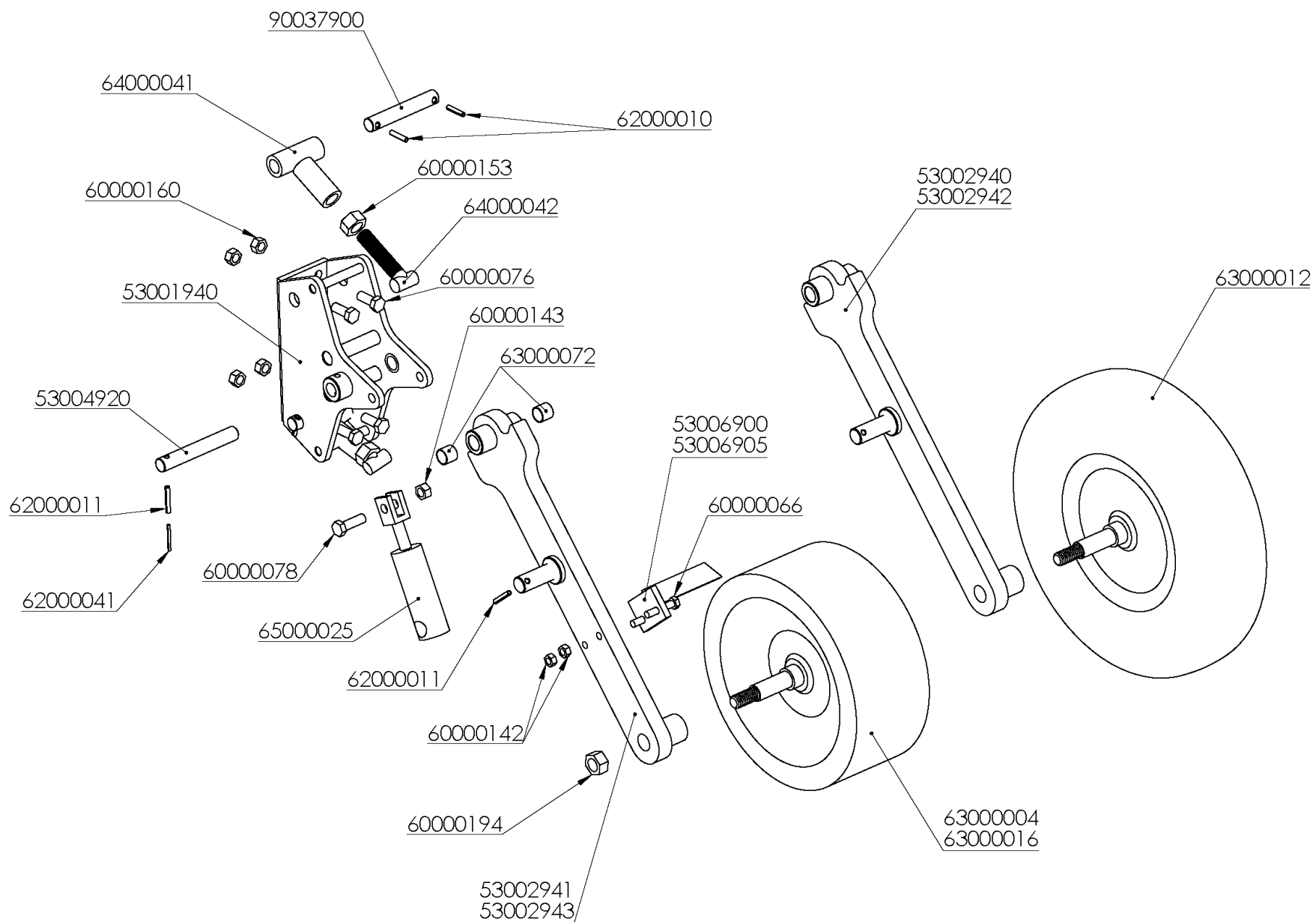


DISCS NON-STOP 20' LF-SF

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
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
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	67012910	ABRAZ.PRISION D=32
60000211	TUER.AUTO.DIN-985 20 8.8 ZINC.	67014911	TAPA DISCOS (D/22)
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 DACROMET	67105901	BRAZO DISCOS NON-STOP (D/16)
60000302	TORN.EXAG.DIN-931 12* 55 8.8	67107900	CORREDERA MUELLE DISCOS NON-STOP
60000425	TORN.EXAG.DIN-931 14*110 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	67302910	SEMI-MANIVELA LARGA
64000083	DISCO PLANO MUESC.ARADO 1983-18" 5mm.R-68	67311910	SOP.DISCOS SFN (D/10)
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68	70005900	ARAND.RFZO.D= 58*21 E-9,5mm.



CONTROL WHEEL

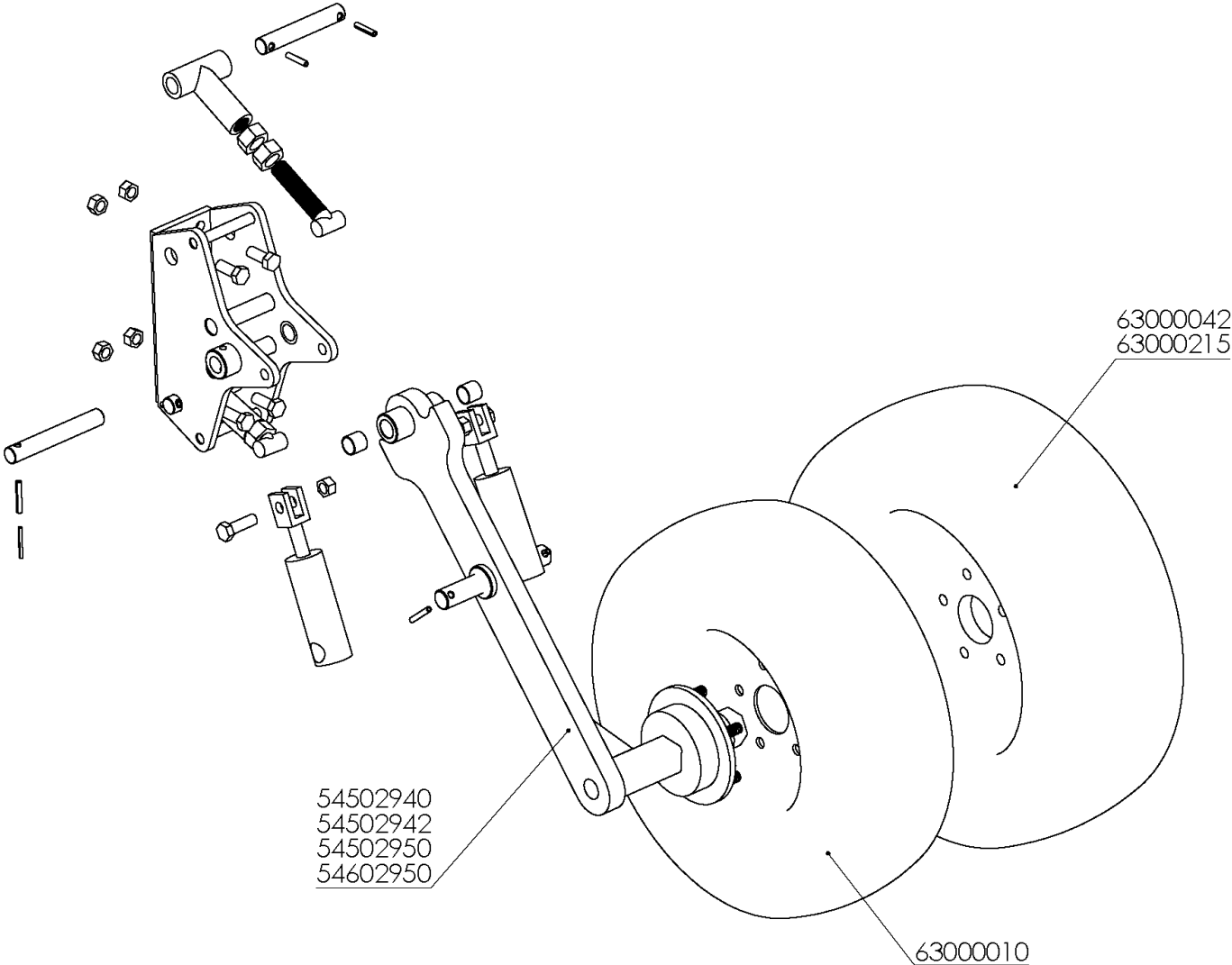


CONTROL WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53001940	SOP.RDA.CONTROL (D/04)	60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.
53002940	BRAZO RDA.NEUM.REV.(D/04)	60000194	TUER.AUTO.DIN-985 24/200 8.8
53002941	BRAZO RDA.MET.REV.(D/04)	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
53002942	BRAZO RDA.NEUM.REV.D/85 (D/04)	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53002943	BRAZO RDA.MET.REV.D/85 (D/04)	62000041	PASADOR ELAST.DIN-1481 5* 50
53004920	BULON D=25*175mm.BRAZO RDA.(D/03)	63000004	R.M.C/EJE 400*170*3 RAL-3001
53006900	CUCHILLA RDA.	63000012	R.N.C/EJE 6.00*9"-10PR V50 RAL-6029
53006905	CUCHILLA RDA.(5)	63000016	R.M.C/EJE 500*180*3 RAL-3001
60000066	TORN.EXAG.DIN-931 12* 60 8.8 ZINC.	63000072	CASQ.FRICCION PAP 2525 P10
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	64000041	SOP.TOPE MOVIL ZINC.
60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.	64000042	TOPE MOVIL TRATADO + ZINC.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	65000025	AMORTIGUADOR C/HORQ. 20/50/ 39
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	90037900	BULON D=25*154mm.TOPE RDA.
60000153	TUER.EXAG.DIN-934 1"SAE 8.8 ZINC.		



CONTROL WHEEL 200 - 250

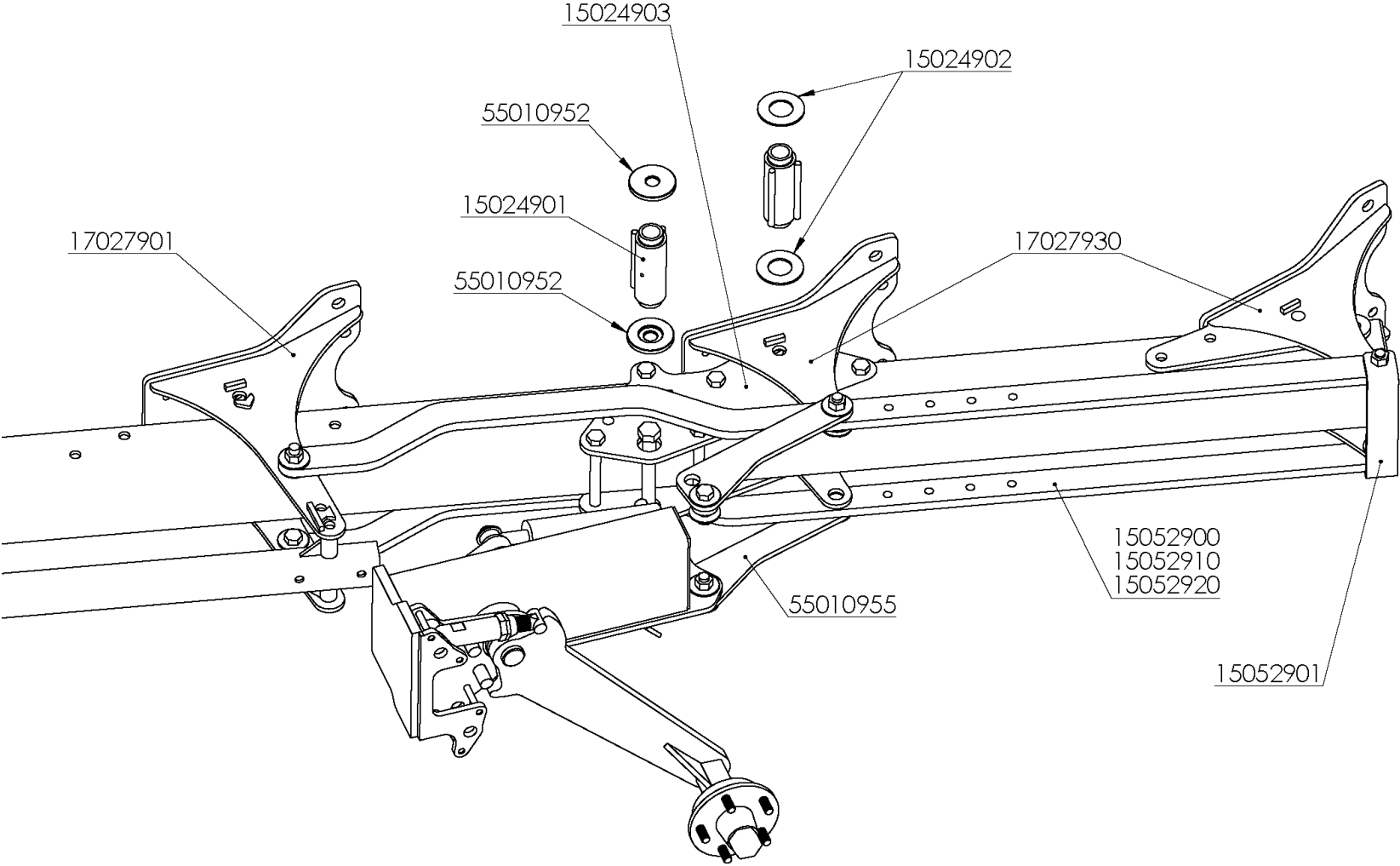


CONTROL WHEEL 200 - 250

REFERENCIA	DESCRIPCIÓN
54502940	BRAZO RDA.NEUM.(608*205) REV.(D/04)
54502942	BRAZO RDA.NEUM.(608*205/685*260) REV.D/85cm.(D/04)
54502950	BRAZO RDA.NEUM.(685*260) REV.(D/04)
54602950	BRAZO RDA.NEUM.(686*304) REV.(D/04)
63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT



ADVANCED CONTROL WHEEL "S"

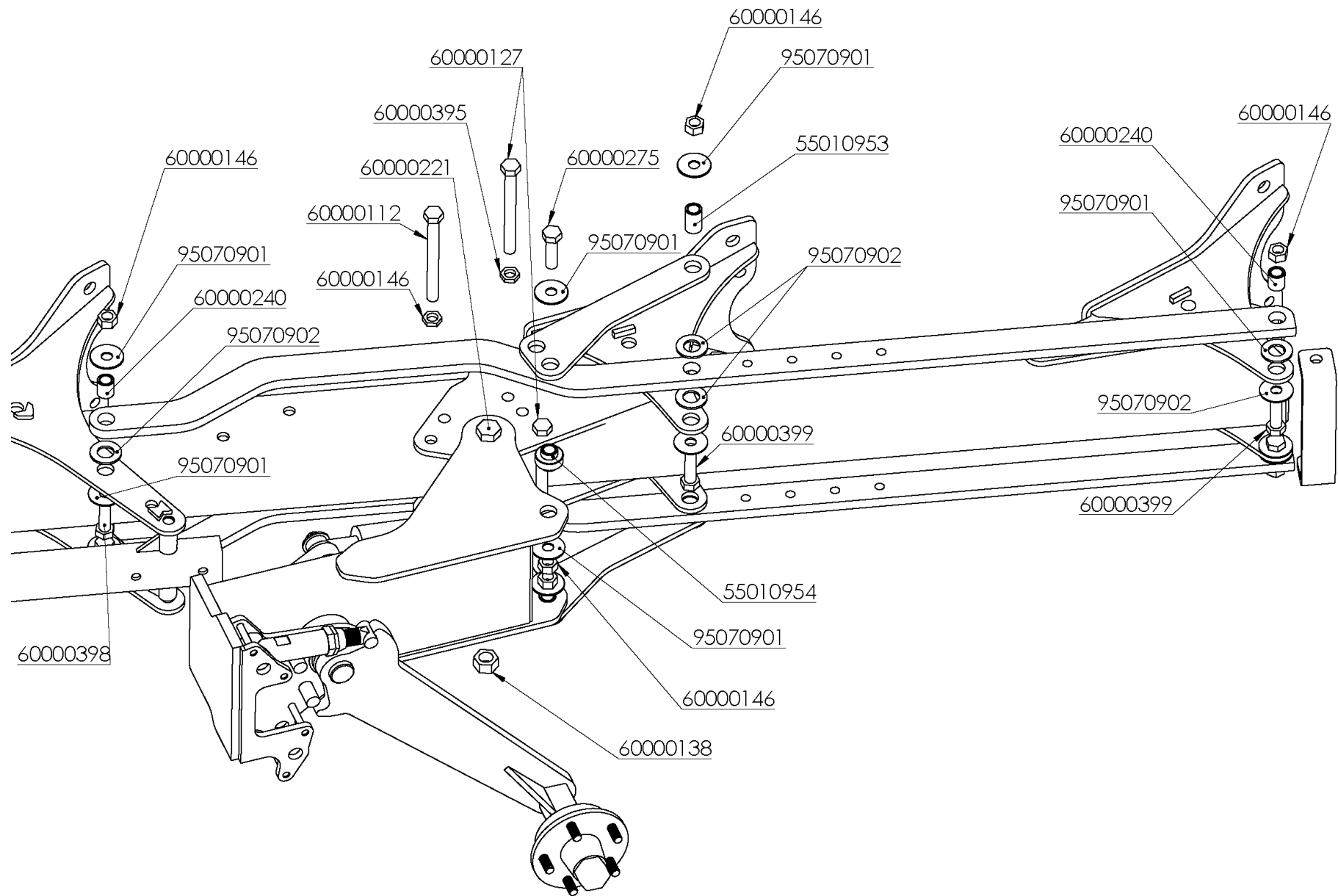


ADVANCED CONTROL WHEEL "S"

REFERENCIA	DESCRIPCIÓN
15024901	CASQ.D= 60/45,9/35*183mm.C/VAR.PORTAC.SN
15024902	ARAND.D=90/46*4mm.CEM.PORTAC.SN
15024903	PLACA SOP.GIRO PORTACAMBAS/RDA SN
15052900	EMPALME BIELA RDA AVZD.95
15052901	LLANTA UNION BIELAS METIDAS
15052910	EMPALME BIELA RDA AVZD.85
15052920	EMPALME BIELA RDA AVZD.105
17027901	SOP.ARTIC.CAMBA SFN (BIEL.MET.LARGO)
17027930	SOP.ARTIC.CAMBA SFN (BIEL.MET.CORTO)
55010952	ARAND.SOP.RDA C/T AVZDA.ZINC.
55010955	BIELA SOP. RDA C/T AVZDA.



ADVANCED CONTROL WHEEL "S"

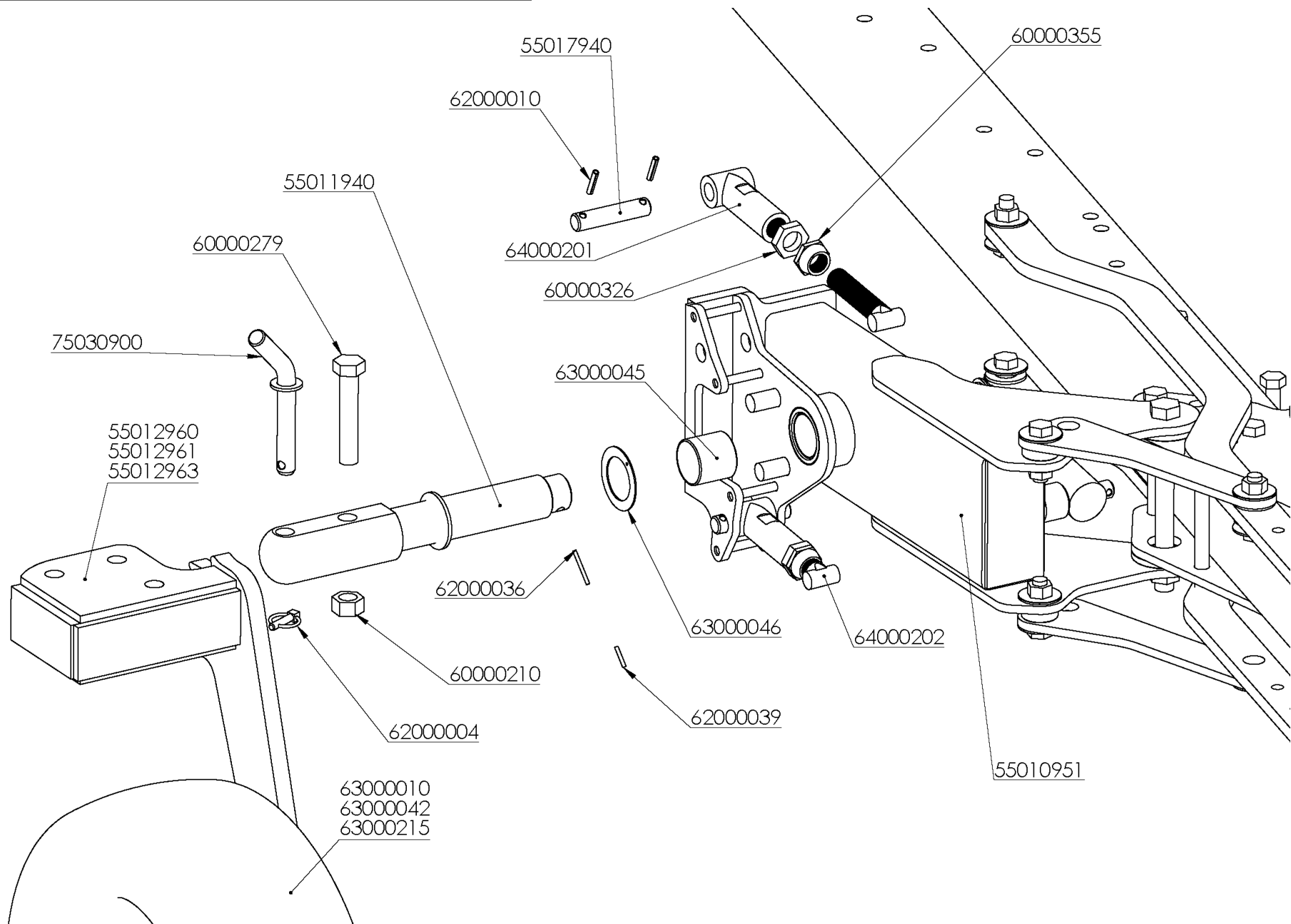


ADVANCED CONTROL WHEEL "S"

REFERENCIA	DESCRIPCIÓN
55010953	CASQ.D= 29,7/20,5*49mm.CEM.ARTIC.BIELA SS
55010954	CASQ.SEP.BIELA RDA C/T AVZDA.
60000112	TORN.EXAG.DIN-931 20*200 8.8
60000127	TORN.EXAG.DIN-931 20*190 8.8
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
60000221	TORN.EXAG.C/LAR.1"*260 SAE 12.9
60000240	CASQ.D= 29,7/20,5*34mm.CEM.ARTIC.BIELA SS
60000275	TORN.EXAG.DIN-931 20* 80 8.8 ZINC.
60000395	TUER.AUTO.DIN-980 20 8.8 BAJA ZINC.
60000398	TORN.EXAG.DIN-931 20* 70 8.8 BAJO
60000399	TORN.EXAG.DIN-931 20* 80 8.8 BAJO
95070901	ARAND.DIN-9021 20 CEMENTADA
95070902	ARAND.DIN-125 30 CEMENTADA



WHEEL "CT" TRANSPORT & CONTROL "S"

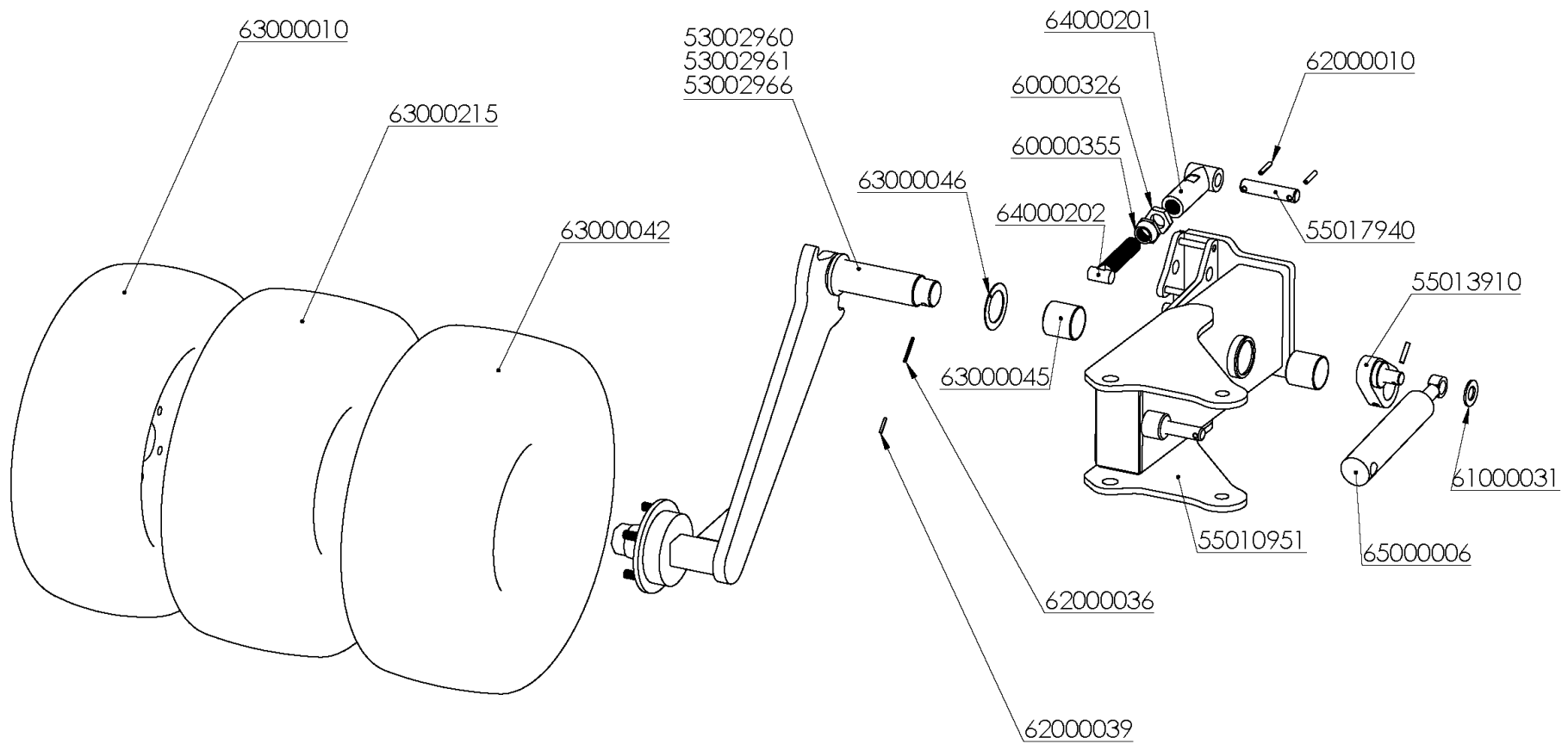


WHEEL "CT" TRANSPORT & CONTROL "S"

REFERENCIA	DESCRIPCIÓN
55010951	SOP.RDA.AVZD.S (D/13)
55011940	SOP.RDA.C/T (D/03)
55012960	BRAZO RDA.C/T AVZD.(608*205/685*260)(D/10)
55012961	BRAZO RDA.C/T AVZD.D/85 (608*205/685*260)(D/10)
55012963	BRAZO RDA.C/T AVZD.(686*304) (D/10)
55017940	BULON D=25*116mm.TOPE RDA.C/T
60000210	TUER.AUTO.DIN-985 1" SAE 8.8
60000279	TORN.EXAG.C/LAR.1"*135 SAE 12.9 ZINC.
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.
62000004	PASADOR ANILLA 10 ZINC.
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
62000036	PASADOR ELAST.DIN-1481 12* 80 ZINC.
62000039	PASADOR ELAST.DIN-1481 7* 80 ZINC.
63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
63000045	CASQ.FRICCION PAP 6060 P10
63000046	DISCO FRICCION PAW 62 P10
63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
75030900	BULON D=25*255mm.RDA.C/T



ADVANCED CONTROL WHEEL "S"

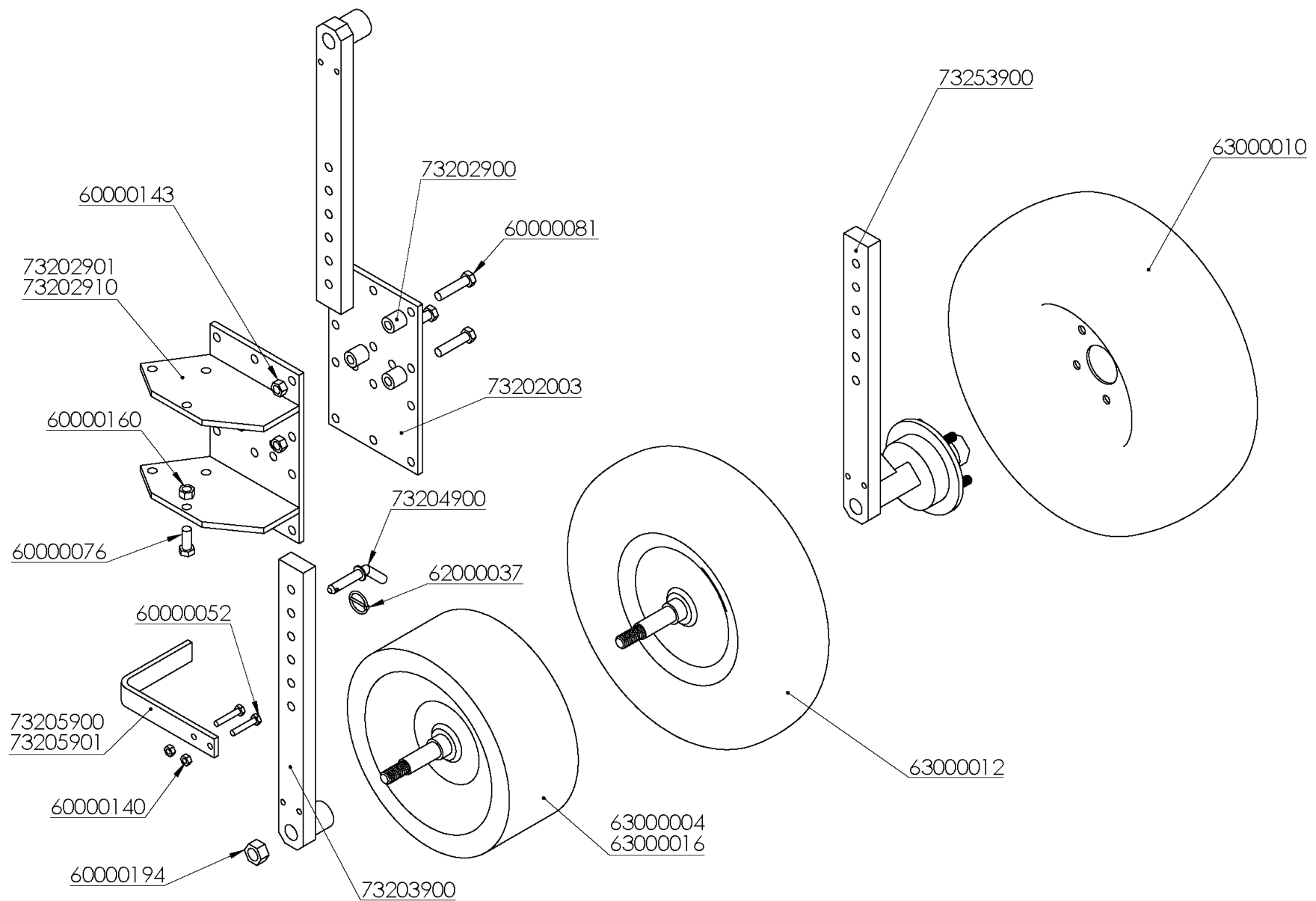


ADVANCED CONTROL WHEEL "S"

REFERENCIA	DESCRIPCIÓN
53002960	BRAZO RDA.NEUM(608*205/685*260) AVZD.
53002961	BRAZO RDA.NEUM(608*205/685*260) AVZD.D/85
53002966	BRAZO RDA.NEUM(686*304) AVZD.
55010951	SOP.RDA.AVZD.S (D/13)
55013910	EXCENTRICA RDA.C/T (D/02)
55017940	BULON D=25*116mm.TOPE RDA.C/T
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
62000036	PASADOR ELAST.DIN-1481 12* 80 ZINC.
62000039	PASADOR ELAST.DIN-1481 7* 80 ZINC.
63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
63000045	CASQ.FRICCION PAP 6060 P10
63000046	DISCO FRICCION PAW 62 P10
63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
65000006	AMORTIGUADOR C/ROT. 25/50/145



DOUBLE/TWIN WHEEL

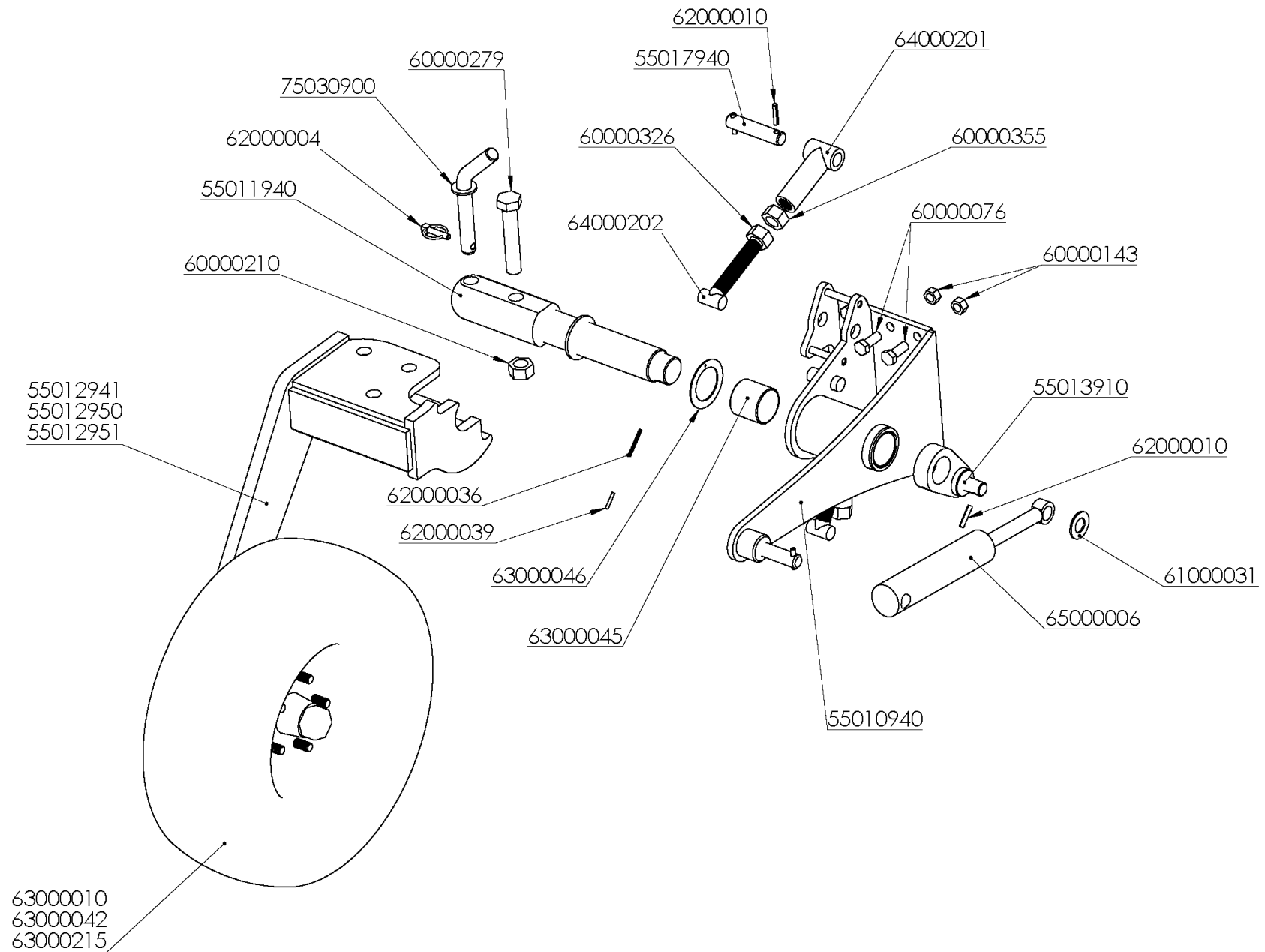


DOUBLE/TWIN WHEEL

REFERENCIA	DESCRIPCIÓN
60000052	TORN.EXAG.DIN-931 10* 55 10.9 ZINC.
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.
60000081	TORN.EXAG.DIN-931 16* 70 8.8 ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.
60000194	TUER.AUTO.DIN-985 24/200 8.8
62000037	PASADOR ANILLA 4,5 ZINC.
63000004	R.M.C/EJE 400*170*3 RAL-3001
63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
63000012	R.N.C/EJE 6.00*9"-10PR V50 RAL-6029
63000016	R.M.C/EJE 500*180*3 RAL-3001
73202003	PLACA LAT.RDA.DOBLE S (D/03)
73202900	CASQ.D= 30/16,5*31,5mm.SEP.SOP.RDA.DOBLE
73202901	SOP.RDA.DOBLE S/SN
73202910	SOP.RDA.DOBLE LN
73203900	BRAZO RDA.DOBLE MET./NEUM.
73204900	BULON D=16*150mm.REG.RDA.DOBLE
73205900	CUCHILLA RDA.MET.DOBLE
73205901	CUCHILLA RDA.DOBLE (5)
73253900	BRAZO RDA.DOBLE NEUM.(608*205)



REAR WHEEL "CT" TRANSPORT & CONTROL



REAR WHEEL "CT" TRANSPORT & CONTROL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
55010940	SOP.RDA.C/T (D/03)	62000004	PASADOR ANILLA 10 ZINC.
55011940	EJE RDA.C/T (D/03)	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
55012941	BRAZO RDA.C/T (608*205/685*260) D/85 (D/03)	62000036	PASADOR ELAST.DIN-1481 12* 80 ZINC.
55012950	BRAZO RDA.C/T (608*205/685*260)(D/03)	62000039	PASADOR ELAST.DIN-1481 7* 80 ZINC.
55012951	BRAZO RDA.C/T (686*304) (D/03)	63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
55013910	EXCENTRICA RDA.C/T (D/02)	63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
55017940	BULON D=25*116mm.TOPE RDA.C/T	63000045	CASQ.FRICCION PAP 6060 P10
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	63000046	DISCO FRICCION PAW 62 P10
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
60000279	TORN.EXAG.C/LAR.1"*135 SAE 12.9 ZINC.	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	65000006	AMORTIGUADOR C/ROT. 25/50/145
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	75030900	BULON D=25*255mm.RDA.C/T
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)		





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