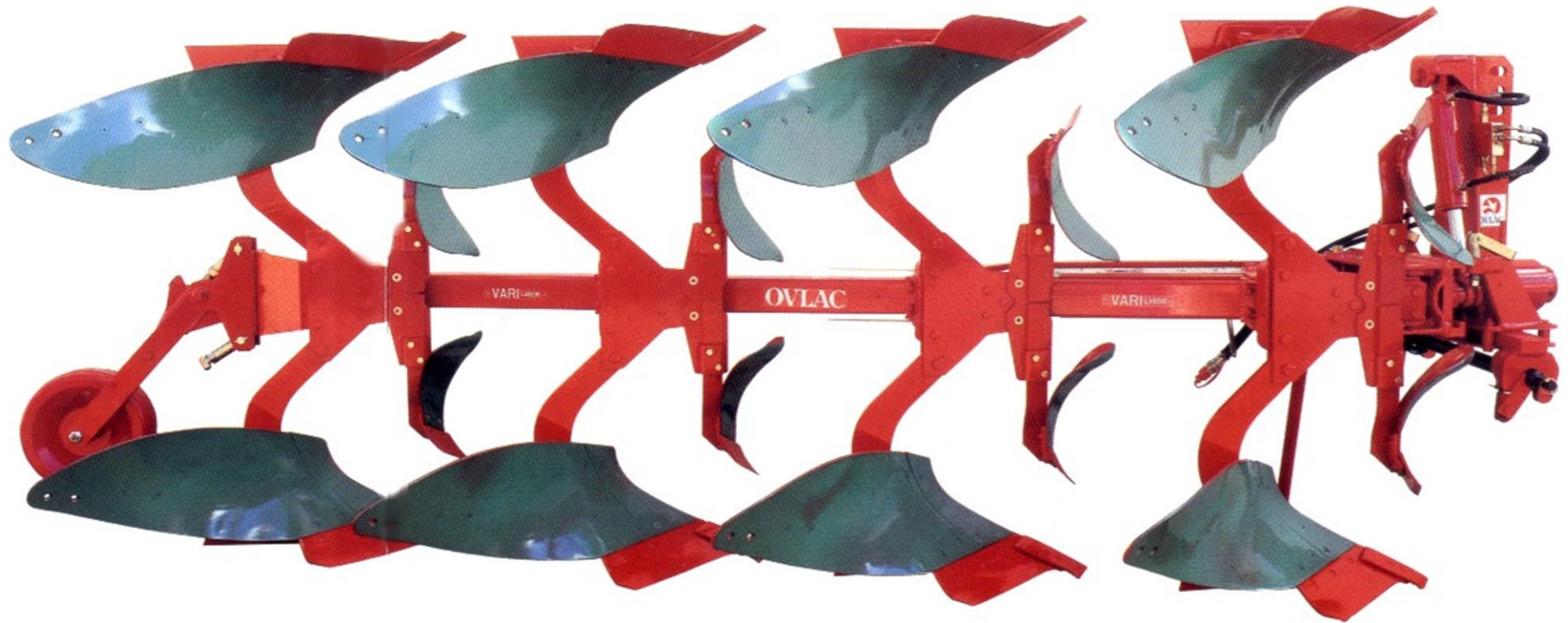




ovlac



OPERATING INSTRUCCIONES AND SPARE PARTS



REVIEW 2015-11

SL-LV

OBSERVATIONS

This handbook describes the use, maintenance instructions and spare parts supplied for the indicated plough.

The farming implement known as “plough” is designed to work the soil, linked to a tractor with lift and universal 3-point coupling.

Regular and satisfactory operation together with economic and long lasting use of the implement depends on compliance with the instructions given in this handbook. It is, therefore, advisable to strictly comply with the following instructions in order to prevent faults which could jeopardise the correct and long-lasting operation of the implement.

Compliance with the instructions in this handbook is also important **since the Manufacturer declines all and every responsibility caused by negligence and failure to comply with these instructions.**

The Manufacturer shall, however, remain at the customer’s disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement. The Manufacturer reserves the right to make any modifications and improvements to the implement, as may be considered opportune, without being obliged to immediately inform the user.

CONTENTS

1. Safety provisions.....	3
2. Descriptions.....	5
3. “Varilabor”	6
4. Protection systems.....	7
5. Set to work	7
5.1 Moulboards.....	7
5.2 Hitching to the tractor.....	8
5.3 Alignment	8
5.4 Front furrow width	9
5.5 Other adjustments	10
6. Ploughing depth	11
7. Transport and parking.....	12
8. Maintenance.....	13
9. Optional equipment.....	14
10. Spare parts.....	15

1. SAFETY PROVISIONS

1.- Comply with the instructions given by the danger signals exposed in this handbook (Fig.1) and affixed to the plough itself.

2.- Operations and adjustments to the implement must always be carried out when the engine is off and the tractor braked.

3.- It is absolutely forbidden to carry passengers or animals on the plough.

4.- It is absolutely forbidden for persons without a driving license, inexpert persons or those in precarious health conditions to drive the tractor with the plough mounted.

5.- Strictly comply with all the recommended accident preventing measures described in this handbook.

6.- Assembly of an implement on the tractor will shift the weights on the axles.

7.- Before starting the tractor and plough, always check that all safety devices guarding transport and use are in perfect conditions.

8.- The instructions labels affixed to the plough give useful advice on how to prevent accidents.

9.- Always comply with the highway code in force in your country when travelling on public roads.

10.- Comply with the maximum permissible weight on the axle of the tractor, the total adjustable weight, transport regulations and the highway code.

11.- Always become familiar with the controls and their operation before starting work.

12.- Take the utmost care during the plough coupling and release phases.

13.- Never ever leave the driving seat whilst the tractor is moving.

14.- Remember that the road holding, steering and breaking capacity may be notably influenced by the presence of a mounted implement.

15.- It is absolutely forbidden to stand within the operative range of the plough.

16.- Before leaving the tractor, lower the mounted plough coupled to the lift unit, stop the engine, engage the hand brake and remove the ignition key from the control panel.

17.- The category of the implement coupling pins must correspond to that of the lift coupling.

18.- Take care when working close to the lift links. This is a very dangerous area.

19.- It is absolutely forbidden to stand between the tractor and the plough, to manoeuvre the outside lift control.

20.- Set the control lever of the hydraulic lift to the locked position during road transport with the plough mounted.

21.- The spare parts must correspond to the requirements established by the Manufacturer. Use only genuine spare parts.

22.- The safety transfers must always be perfectly visible. They must be kept clean and should be replaced if they become illegible. Replacements are available on request from your local dealer.

23.- The instruction manual must be kept for as long as the machine lasts.

(Fig.1) WARNING

Thoroughly read the manual before starting to work

DANGER

Do not handle the plough when lifted, danger of flattening. Keep safety distance.

DANGER

Damage can be caused by the rotation of the plough. Keep safety distance.

Be prepared in case of emergency

Have near a first aid kit and an extinguisher. Write down the telephone numbers of doctors, ambulances and firemen and keep them near the telephone.

Use suitable clothes

Avoid loose clothes and use suitable equipment of security according to the type of works. The safe handling of the machine requires all the attention of the operator.

Don't put on auricular to listen to the radio during the work with the machine.

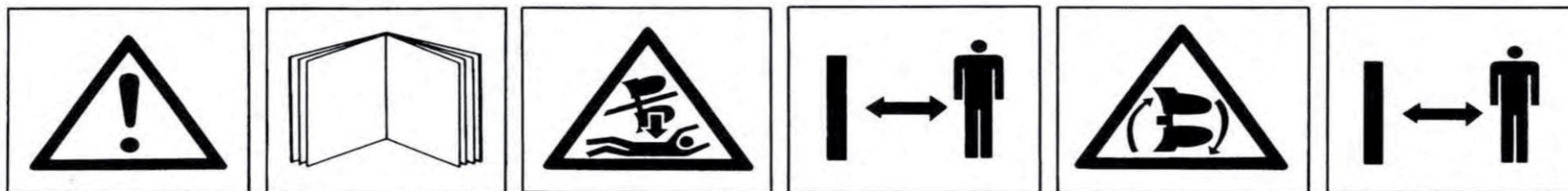
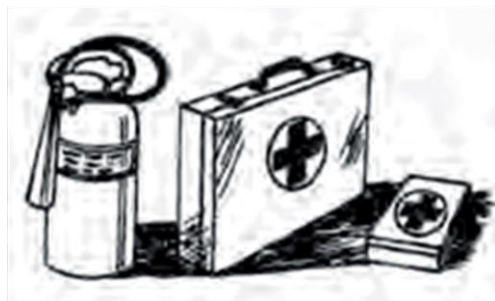
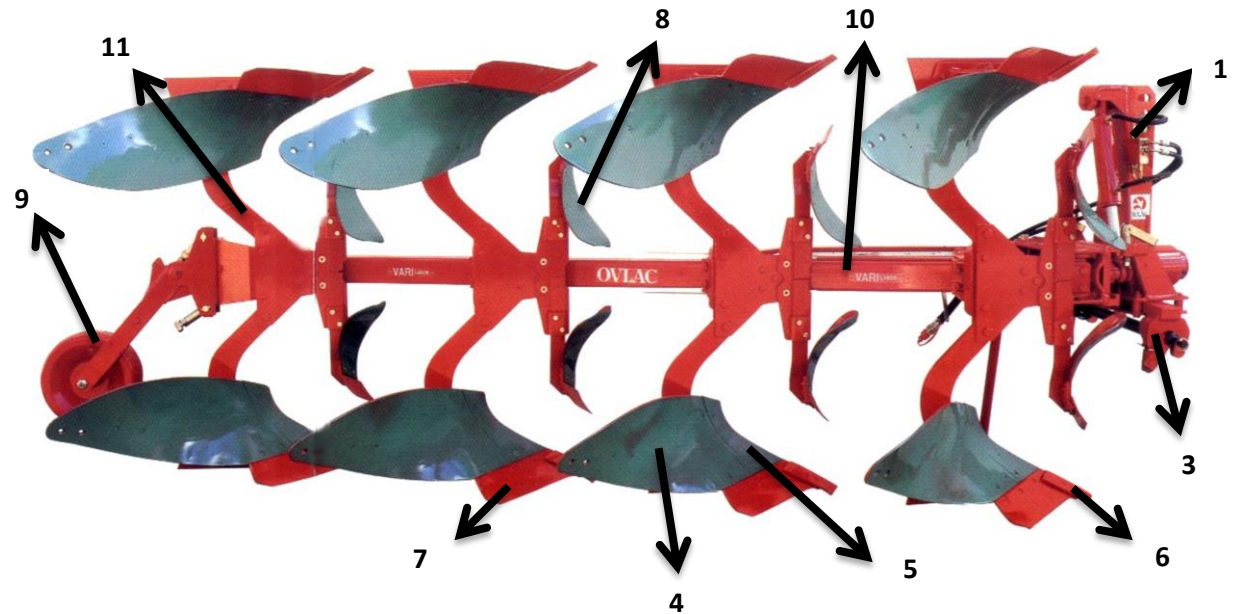


Fig.1

2. DESCRIPTION AND TECHNICAL DATA

1. HEADSTOCK
2. IDENTIFICATION PLATE
3. CROSS SHAFT
4. MOULBOARD
5. SHIN PIECE
6. SHARE POINT
7. SHARE
8. SKIMMERS
9. CONTROL WHEEL
10. FRAME
11. BEAM

REMARK: The construction number that is engraved in the identification plate must be coincident with the number engraved on the headstock support.



IDENTIFICATION PLATE (2)



TECHNICAL DATA

N		SL-3	SL-4
VARILABOR		12" - 18"	
POTENCIA (CV)	50-70	70-90	80-100
PESO (KG)	615	805	995
DESPEJE	700mm / 760 mm		

N		LV-2		
	850 mm	12"-14"-16"-18"		
	950 mm	14"-16"-18"-20"		
POTENCIA (CV)		50-70	70-90	80-100
PESO (KG)	850 / 950 mm	590	755	920
DESPEJE	700mm / 760 mm			

3. VARILABOR

The **SL** model incorporates the OVLAC exclusive system to adjust the furrow width - Varilabor- which allows to choose any working width between 10" (30 cm) and 20" (50 cm) by means of one only operation on the turnbuckle A (Fig.2).

With the optional hydraulic adjustment, the same operation can be carried out even while working, from the tractor cabin, by means of the cylinder.

The indicator P (Fig.2) points the chose furrow width. Varying the furrow width allows to adapt the plough to soil conditions and to the power of the tractor.

In the series **LV** the furrow width can be adjusted manually in steps of 2" (5cm). Positions 1 and 4 correspond to the minimum and maximum width respectively (Fig.3).

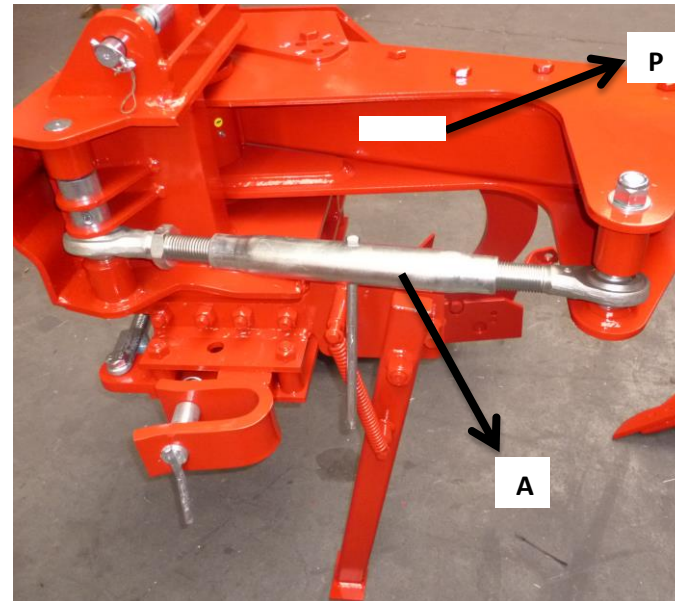


Fig.2



Fig.3

5. SET TO WORK

4. PROTECTION SYSTEM BY SHEAR BOLTS

Protection is achieved by means of shear bolts (Fig. 4). When the share point meets an obstacle, the shear bolt breaks and allows the beam to swing back around its housing. To continue, restore the beam to its original position and replace the shear bolt.

NOTE: the quality and dimension of the shear bolts are calculated so that they break at a determined force. It is mandatory to replace shear bolts only with others of the same quality and dimension. Not respecting this rule will mean the total loss of the warranty

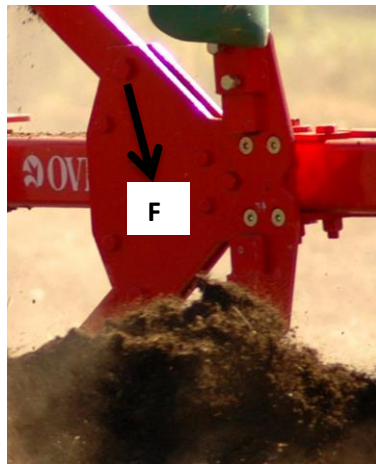


Fig.4

5.1 -MOULDBOARDS

Before starting work, the paint on the mouldboards should be removed to avoid that the soil remains adhered.

Verify that the lengths $A_1=A_2$ and $B_1=B_2$, as shown in figure (Fig. 5). If these lengths are not coincident, adjust by means of the stay C, working on the nuts D and D' (Fig. 6).

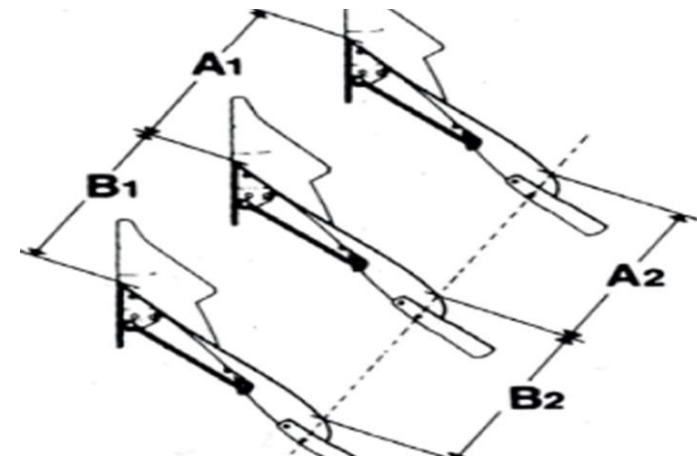


Fig.5

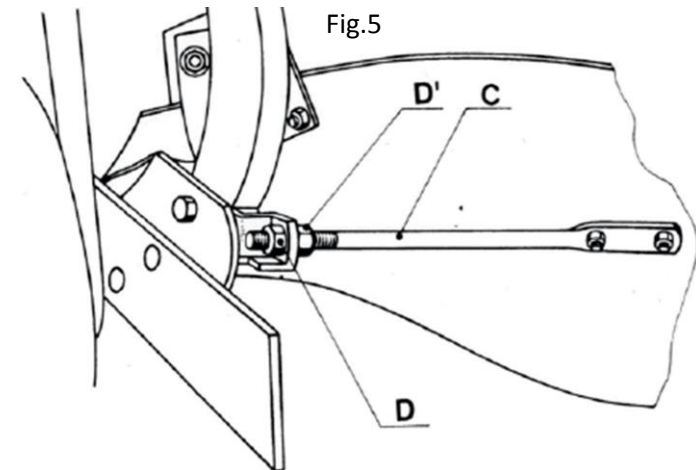


Fig.6

5.2 – HITCHING TO THE TRACTOR

The OVLAC ploughs are designed to fit to the 3-point universal coupling of any farming tractor.

The cross shaft can be supplied in two different lengths (centre to centre):

Category II	900 mm.
Category III	1.000 mm.

The cross shaft must have the appropriate length to make the drawing powers converge in the centre of the frontal axle, as shown in (Fig. 7).

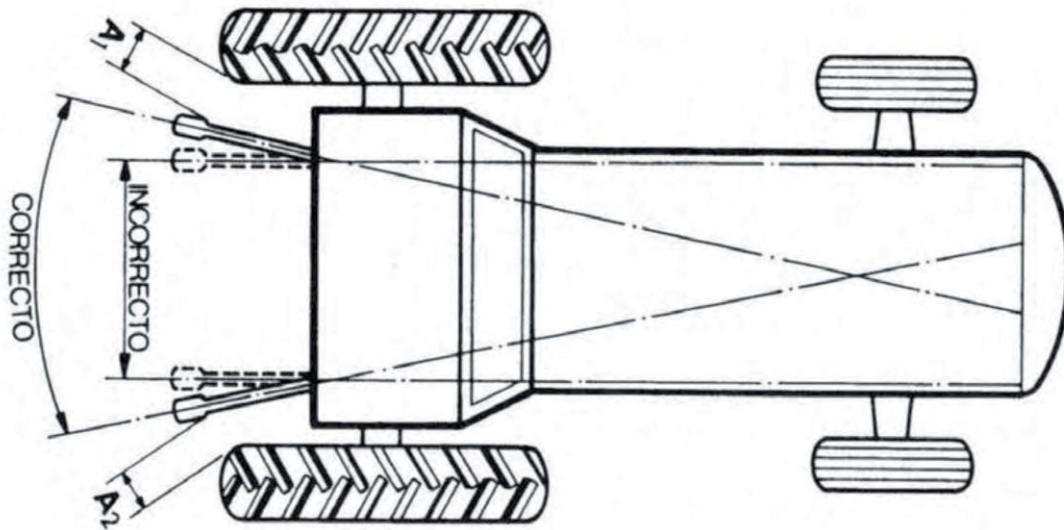


Fig.7

5.3 – ALIGNMENT

The plough should always work in line with the tractor. If not, the tractor will tend to leave the furrow course. Check that lengths $A1=A2$ (Fig. 7)

Crabbing is corrected automatically in OVLAC ploughs thanks to their oscillating cross shaft. In ploughs with fix coupling, act on the drifting-correction turnbuckle (hydraulic in option).

The third point should be linked so that the end linked to the plough be slightly higher than the one linked to the tractor (Fig. 8)

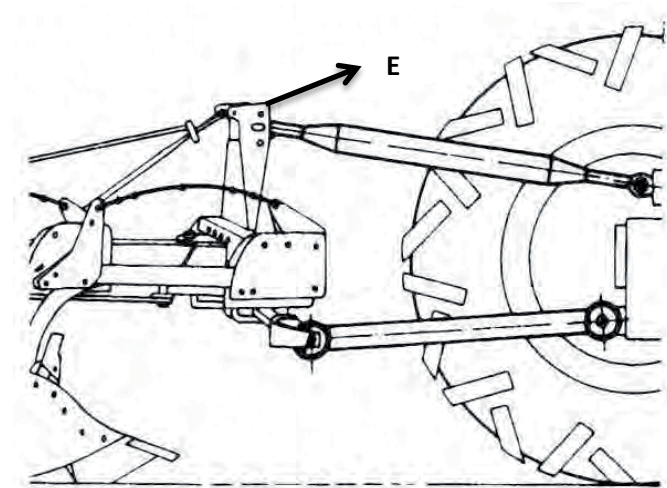


Fig.8

5.4 – FRONT FURROW WIDTH

The width of the first furrow is adjusted by acting on the screw C (Fig. 9), this moving the headstock laterally until all observations in Fig.10 y 11 are applied.

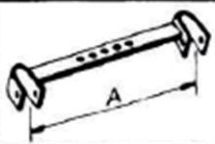
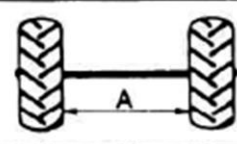
		Ancho de Surco Furrow Width Largeur Du Sillon
A = 90	120	30-45
	130	40-50
	140	35-45
	150	40-50
A = 100	140	35-45
	150	40-50
	160	40-50

Fig.10

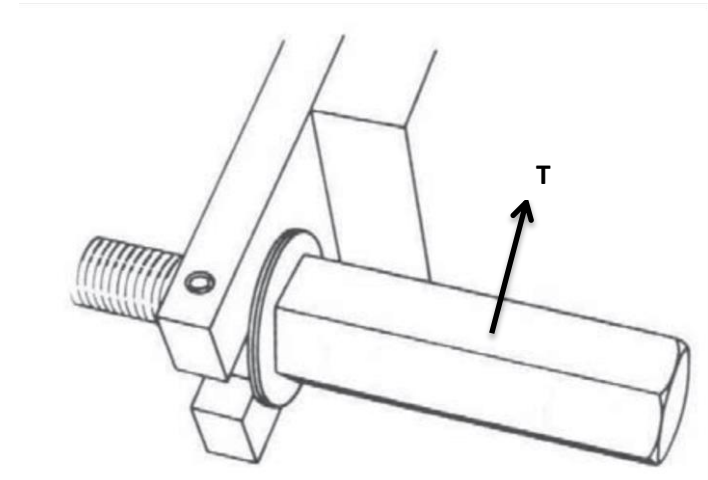
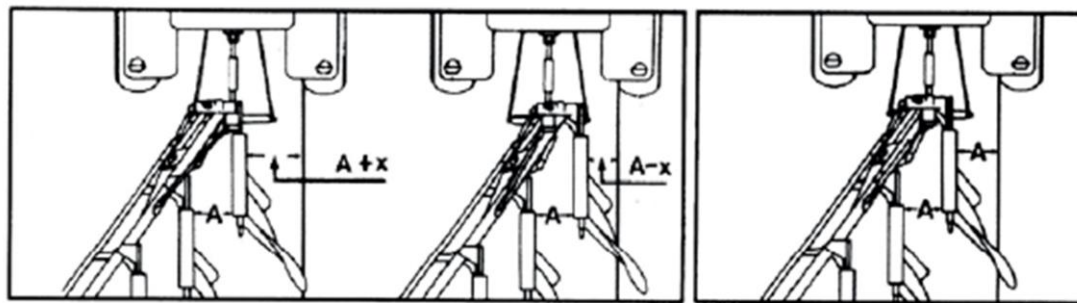


Fig.9



Incorrecto / Wrong / Incorrect

Fig.11

Correcto / Right / Correct

5.5 – OTHER ADJUSTMENT

The length of the third point should be adjusted so that the frame works in a parallel position with respect to the field since, if not, the first bodies would plough at a different depth than the rear ones achieving an uneven labour (Fig. 12).

For the same reason, check that the beams work vertically to the field (Fig.13). To achieve this, make sure that the lifting arms of the tractor are at the same height and act on the adjusting bolts A at the headstock (Fig.14).

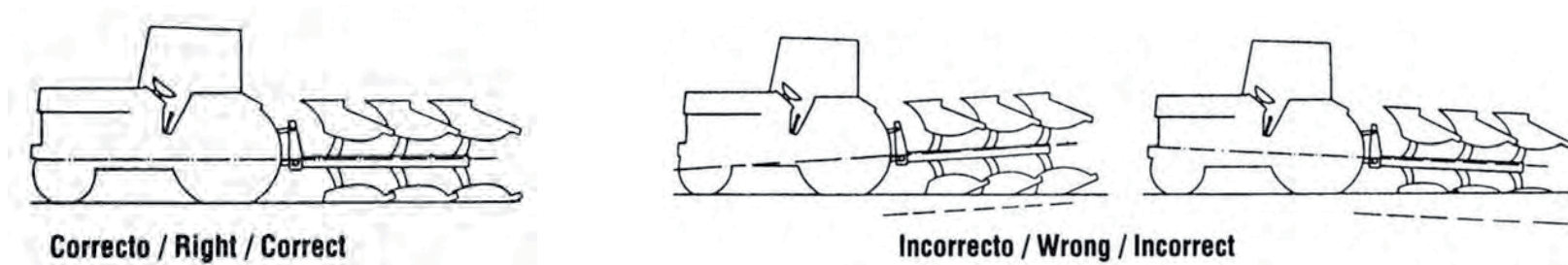


Fig.12

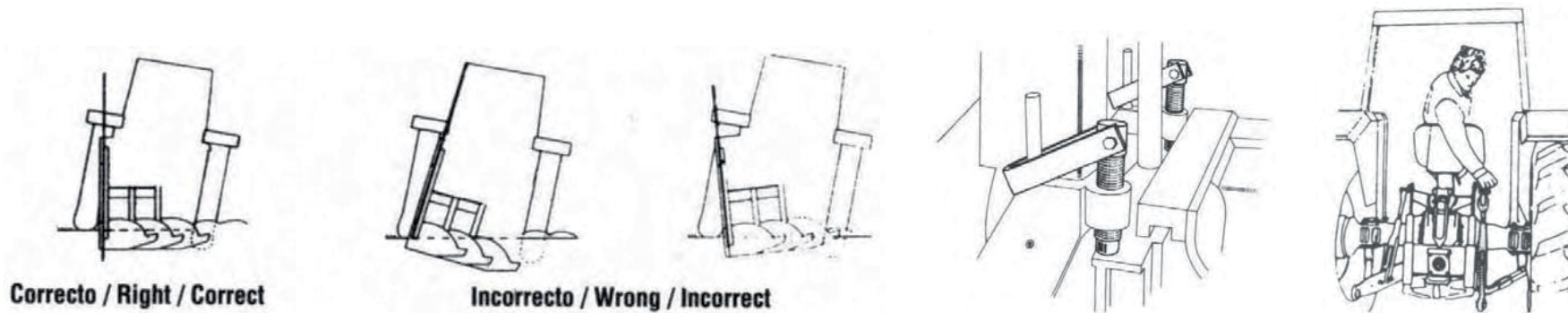


Fig.13

Fig.14

6. PLOUGHING DEPTH

The ploughing depth is adjusted through the hydraulic lever of the tractor. Nevertheless, to obtain an even depth, all ploughs can be equipped with a depth control wheel (Fig.15) whose height is adjusted by the bolts.

There is a relation between depth and width which should be respected in order to achieve a good result.

The following chart gives an excellent reference which, if complied, will lead to satisfactory results.

Anchura / Width / Largeur	Pulgadas	12"	14"	16"	18"	20"
	cm	30	35	40	45	50
Profundidad máxima / Max. Depth / Max. Profondeur (cm)		24	28	32	36	40
Profundidad mínima / Min. Depth / Min. Profondeur (cm)		15	17	20	22	25
Profundidad recomendable / Recommended depth / Profondeur recommandavle (cm)		21	25	28	32	35

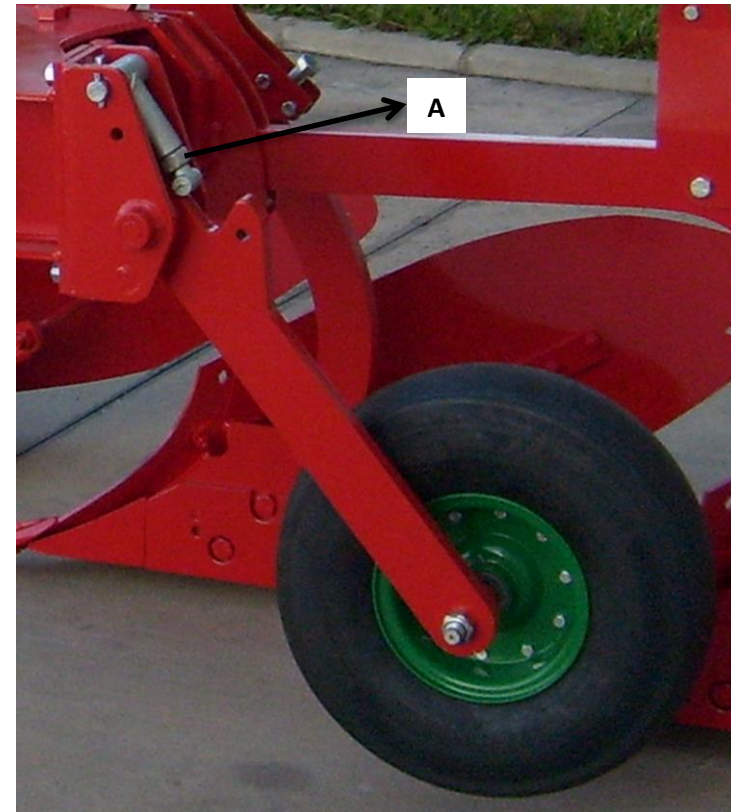


Fig.15

7. TRANSPORT AND PARKING

In order to ease transport, the plough should be drawn to its minimum width by means of the width control system (turnbuckle or hydraulic cylinder). Large ploughs can be equipped with a multi-purpose wheel: depth control and transport.

To carry the plough on the combi wheel, place pin B in hole C. Then pull the lever to push out pin D so that the plough is locked in a butterfly position when turned. Then put down the plough, release the top link from the headstock and block the oscillating cross shaft by means of pins E (Fig.16 y 17).

The stand (Fig.18) guarantees a steady position when the plough is parked.

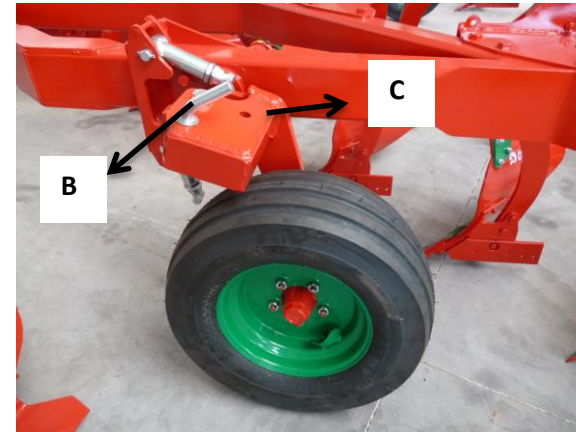


Fig.16

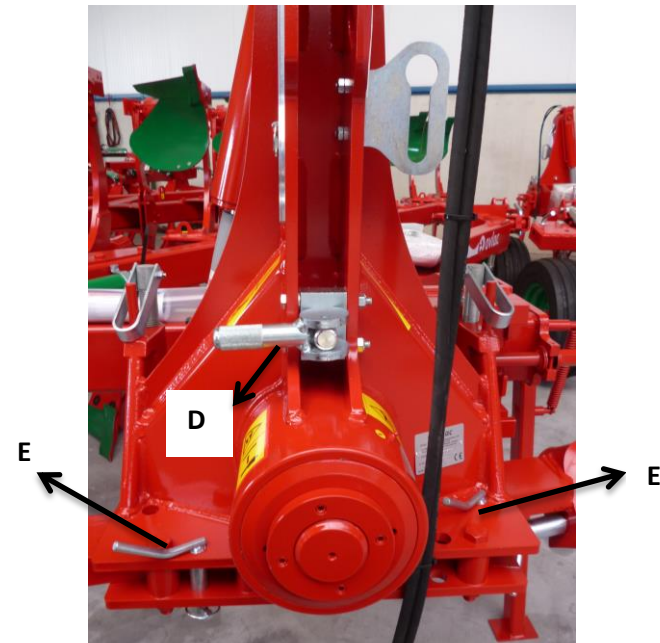


Fig.17



Fig.18

8. MAINTENANCE

Retighten all bolts and nuts after the first 8 hours of work, specially the ones of mouldboards, shares and points. Henceforth, check every 100 hours of work. When putting the plough away, clean and grease thoroughly the mouldboards to prevent from rusting.

Lubrication: grease the greaser.

Safe maintenance

Be used to the maintenance procedures before carrying out the works. The working zone must be clean and dry. Don't carry out any work of lubrication, repair or adjust with the motor enabled. Keep the hands, feet and clothes always far from movable components. Turn all the controls off, to alleviate the pressure. All the components must be in good state and correctly installed. Repair damages immediately. Change any worn away or broken pieces. Maintain all the components of the machine clean of fat, oil and accumulated dirt. Because of being dragged equipment, disconnect the cable groups of the tractor before making works of weld in the machine.



Take care of the leaks of high pressure

The fluids that escape of the system can have as much force that they can penetrate the skin, causing serious injuries. Therefore, it is essential to leave the system without pressure before relaxing or disconnecting any pipe and make sure that all the connections and the hydraulic parts they are well tight before applying pressure to the system. In order to locate a hydraulic oil leak, use a piece of cardboard that is put on the connections. Do not approach the hands and the body to a leak of high pressure. If, in spite of this precaution, it happens an accident, go immediately to a doctor who should eliminate surgically the fluid within few hours to avoid gangrene. The doctors who do not have experience in dealing with these type injuries can go to a specialized medical centre.

Storage of the hydraulic sleeves.

IMPORTANT: maintain the plugs clean. The abrasive particles, like the sand or the metallic shaving, can damage the oil seals, shirts and cylinders, causing internal leaks. Once disconnected of the tractor, make sure that they are not in contact with the ground



9. OPTIONAL EQUIPMENT

The ploughs **SL-LV Ovlac** can be equipped with:

- 9.1 Cover boards (Fig.19).
- 9.2 Landside extension (Fig.20).
- 9.3 Transport wheel (Fig.21)
- 9.4 Disc coulters (Fig.22).



Fig. 21



Fig. 19



Fig. 20



Fig. 22

CONTENT

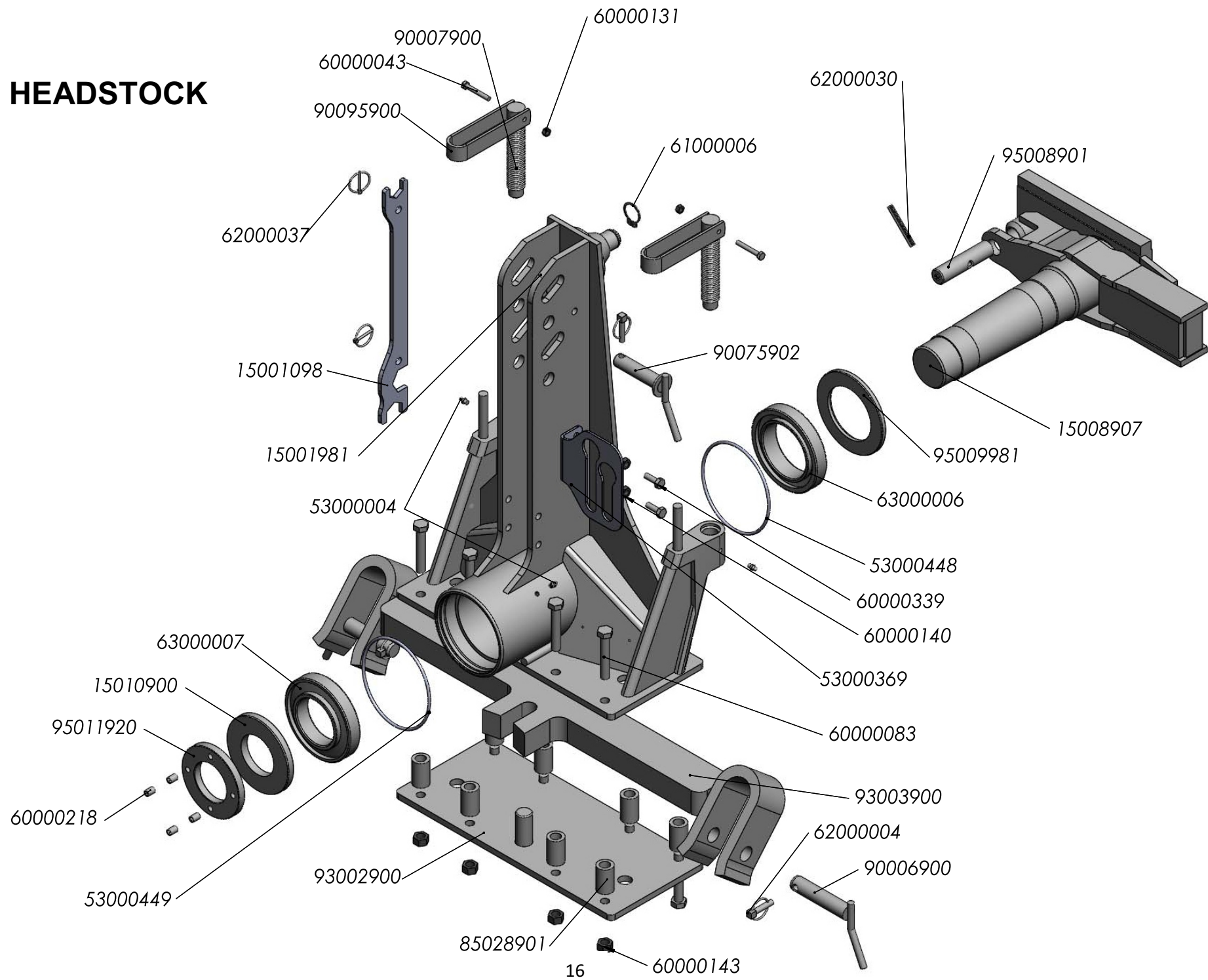
10. SPARE PARTS

Spare parts should always be ordered from your dealer and should always include the following indications:

- **Type, model and serial number of the plough.** These data are punched on the identification plate with which every plough is equipped.
- **Code number of the required spare part.** This will be found in the attached spare parts list.
- **Description of the part and required quantity.**
- **Means of delivery.** Transport expenses shall always be at the consignor's charge.
- **NOTE:** The terms **Right** and **Left** indicated on the descriptions, refer to the plough when viewed from the rear. The spare parts components of waste equipment, as shares, mouldboards, etc., are considered right if they are mounted on a body which spills the soil to the right side and viceversa.
- **Note about the warranty:** The orders of spare parts in warranty should always be clearly specified. **The Manufacturer will always sentence if the spare parts are warranted in their replacement.**
- **Moreover, the warranty is suppressed if:**
 - **The plough is repaired without authorisation from the Manufacturer, or spurious spare parts, and inadequate bolts are mounted.**
 - **The plough has been used beyond the specified power limit, or anomalous manoeuvres and operations have been made.**

HEADSTOCK 100.....	16
FRAME SL	18
FRAME LV	21
FRAME SUPPORT	23
ADDITIONAL BODY	25
BEAM SUPPORT.....	27
ROLLOVER	28
VARYWIDTH SYSTEM.....	29
MEMORY	30
HYDRAULIC FIRST BODY ADJUSTMENT 600-1000 mm..	32
BODIES.....	34
SKIMMERS.....	42
COVER BOARDS	44
LANDSLIDE EXTENSION	46
SUPLEMENT. EXTENSION MOULBOARD	47
SUPLEMENT. EXPANDER GROOVE.....	48
FAST HITCH	49
DISC COULTERS 20”	50
DISC COULTERS 20” NON STOP.....	52
WHEELS	54

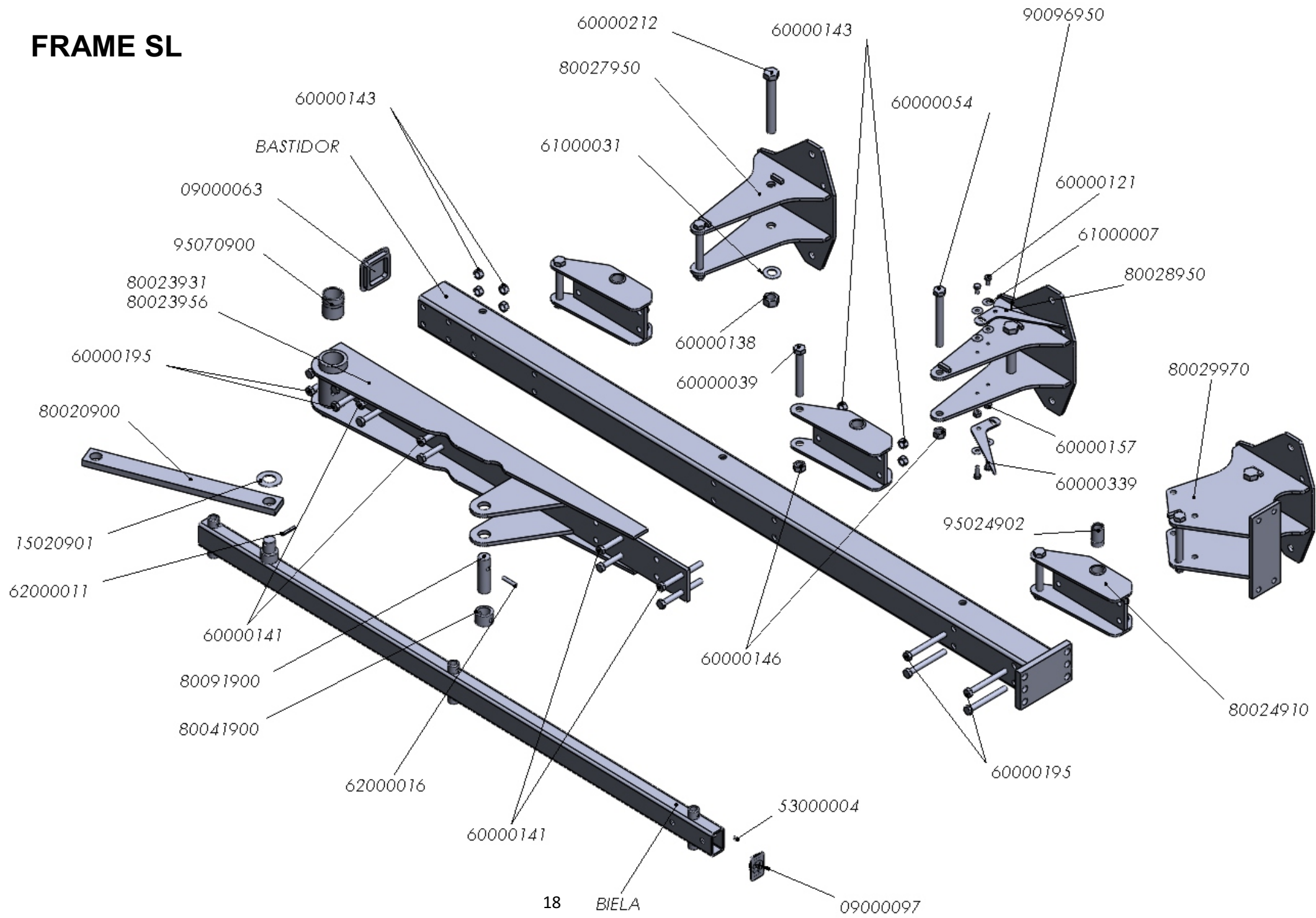
HEADSTOCK



HEADSTOCK

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001098	LLAVE 32-38	62000004	PASADOR ANILLA 10 ZINC.
15001981	CABEZAL 110 (D/07)	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
15008907	EJE CABEZAL 110 PL.176 TRATADO (D/07)	62000037	PASADOR ANILLA 4,5 ZINC.
15010900	TUERCA EJE CABEZAL 110 (D/07)	63000006	RODAM.POST.32019 (C-110-D/07)
53000004	ENGRASADOR AC° DIN-71412 8*125	63000007	RODAM.ANTER.30217 (C-110-D/07)
53000369	SOPORTE LATIG.TORRETA 2 HUECOS ZINC.	85028901	SEP.B.P.32/20* 42mm.
53000448	JUNTA TORICA 144-3	90006900	BULON D=28*130mm.BALANC.CAT.II ZINC.
53000449	JUNTA TORICA 150-3	90007900	HUSILLO TOPE 185mm.
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	90075902	BULON D=25*110mm.3er.PTO.CAT.II ZINC.
60000083	TORN.EXAG.DIN-931 16* 90 8.8	90095900	MANILLA TOPE ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	93002900	PLACA PORTABALANC.40mm.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	93003900	BALANC.40mm.CAT-II
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	95009981	ARAND.POST.110 (D/07)
60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
61000006	ANILLO ELASTICO DIN-471 35		

FRAME SL



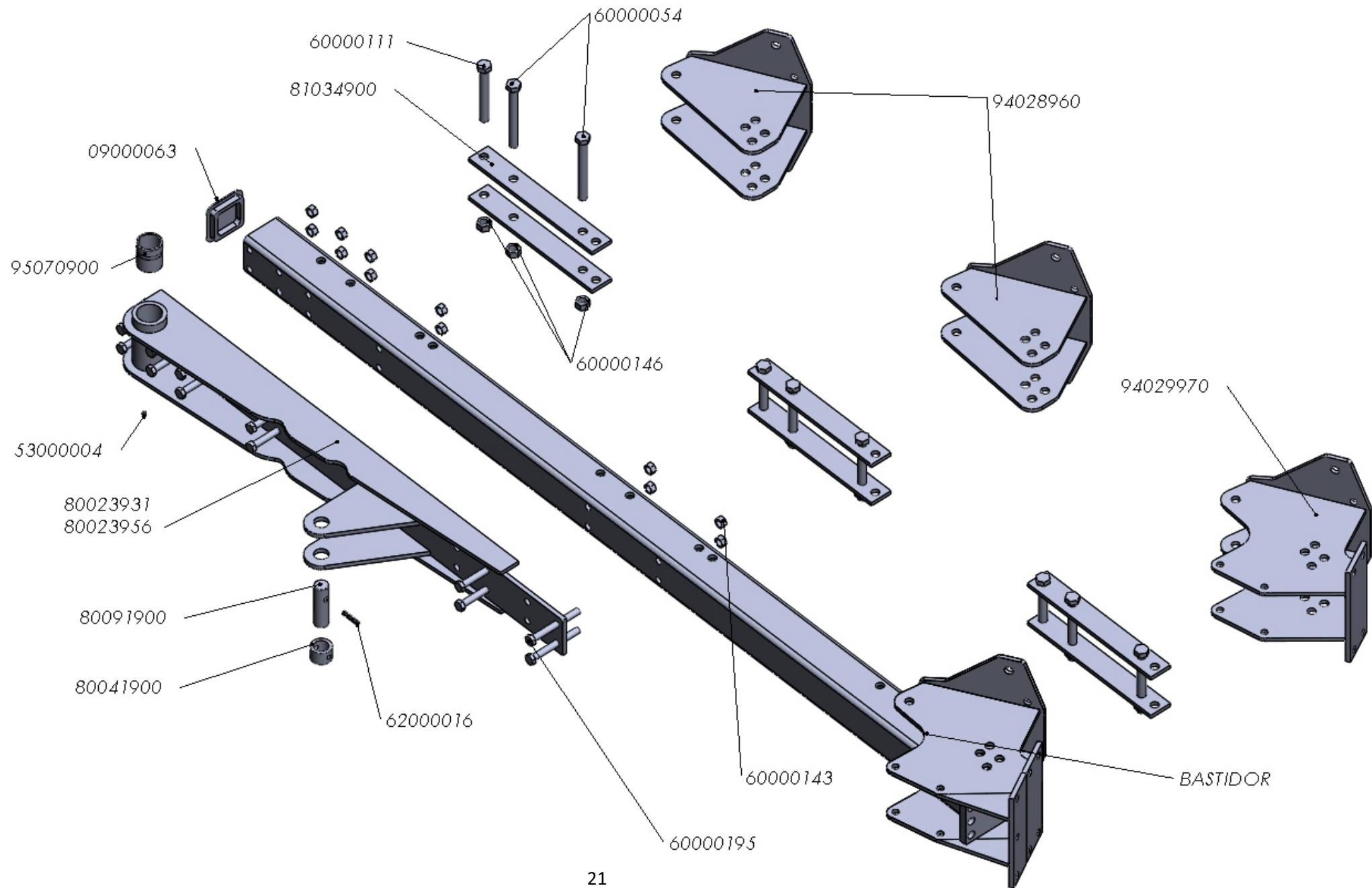
FRAME SL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000097	TAPON GOMA 80* 50* 6mm.	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
9000502	TAPON GOMA 110*110*8mm.	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
15020901	ARAND.D=35,5mm.LLANTA TIRO BIELA SN	62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.
53000004	ENGRASADOR AC° DIN-71412 8*125	80020900	LLANTA TIRO BIELA SL (585/525)
60000039	TORN.EXAG.DIN-931 20*150 8.8	80023931	SOP.GIRO BASTIDOR SL/LV-85/95 (D/07)
60000054	TORN.EXAG.DIN-931 20*180 8.8	80023956	SOP.GIRO BASTIDOR SL/LV-105 (D/07)
60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.	80024910	SOP.GIRO PORTACAMBAS SL (D/05)
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	80027950	SOP.ARTIC.CAMBA SL (D/03)
60000141	TORN.EXAG.DIN-931 16*150 8.8	80028950	SOP.ARTIC.MARCADOR SL (D/03)
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	80029970	SOP.ARTIC.CAMBA/RDA.SL (D/03)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	80041900	SEP.B.P.51/36* 35mm.ZINC.C/TAL.
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC.	80091900	BULON D=34,6*120mm.TENSOR POST.SL/LV
60000195	TORN.EXAG.DIN-931 16*140 8.8	90096950	MARCADOR TAJO 2P ZINC.
60000212	TORN.EXAG.C/LAR.1"*190 SAE 12.9	95024902	CASQ.D= 35/26/30*60mm.CEM.PORTAC.
60000339	TORN.EXAG.DIN-933 10* 30 8.8 ZINC.	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
61000007	ARAND.DIN-9021 10 ZINC.		

FRAME SL

Bastidor		Biela	
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
80019962	BAST.SL-2-100 (H/06)	80121902	BIELA SL-2-95 (D/07)
80019963	BAST.SL-3-100 (H/06)	80121903	BIELA SL-3-95 (D/07)
80019964	BAST.SL-4-100 (H/06)	80121904	BIELA SL-4-95 (D/07)
80119902	BAST.SL-2-95 (D/07)	80121912	BIELA SL-2-85 (D/07)
80119903	BAST.SL-3-95 (D/07)	80121913	BIELA SL-3-85 (D/07)
80119904	BAST.SL-4-95 (D/07)	80121914	BIELA SL-4-85 (D/07)
80119912	BAST.SL-2-85 (D/07)	80121922	BIELA SL-2-105 (D/07)
80119913	BAST.SL-3-85 (D/07)	80121923	BIELA SL-3-105 (D/07)
80119914	BAST.SL-4-85 (D/07)	80121924	BIELA SL-4-105 (D/07)
80119922	BAST.SL-2-105 (D/07)	80121954	BIELA SL-4-95-AMP.(D/07)
80119923	BAST.SL-3-105 (D/07)		
80019974	BAST.SL-4-95-AMP. (D/04)		

FRAME LV

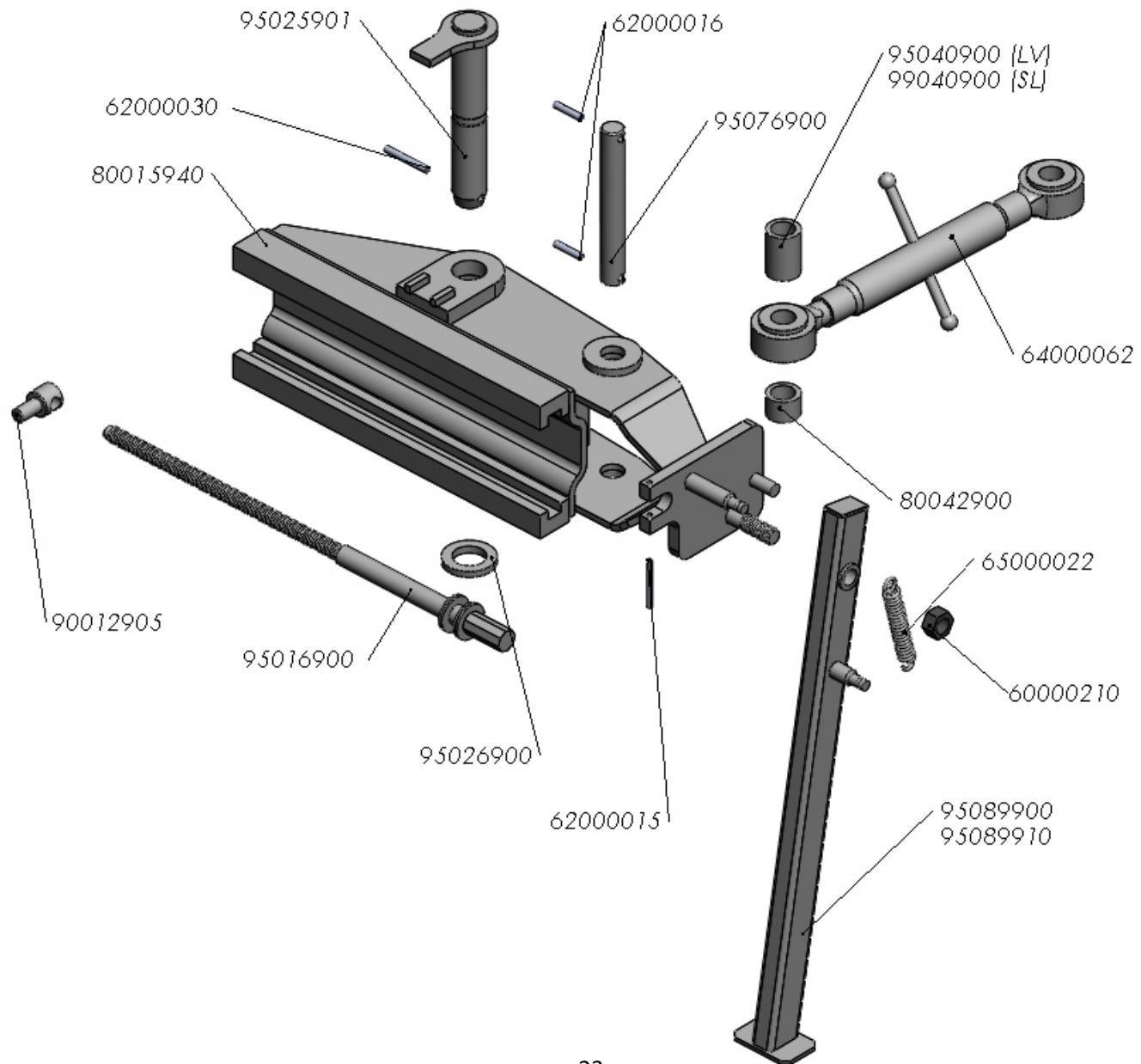


FRAME LV

REFERENCIA	DESCRIPCIÓN
9000063	TAPON GOMA 110*110*10mm.
53000004	ENGRASADOR AC° DIN-71412 8*125
60000054	TORN.EXAG.DIN-931 20*180 8.8
60000111	TORN.EXAG.DIN-931 20*160 8.8
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000195	TORN.EXAG.DIN-931 16*140 8.8
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.
80023931	SOP.GIRO BASTIDOR SL/LV-85/95 (D/07)
80023956	SOP.GIRO BASTIDOR SL/LV-105 (D/07)
80041900	SEP.B.P.51/36* 35mm.ZINC.C/TAL.
80091900	BULON D=34,6*120mm.TENSOR POST.SL/LV
81034900	LLANTA ASIENTO SOPORTES LV
94028960	SOP.ARTIC.CAMBA LV (D/04)
94029970	SOP.ARTIC.CAMBA/RDA.LV (D/04)
95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.

Bastidor	
REFERENCIA	DESCRIPCIÓN
81019932	BAST.LV-2-95(D/04)
81019933	BAST.LV-3-95(D/04)
81019934	BAST.LV-4-95(D/04)
81019942	BAST.LV-2-85 (D/04)
81019943	BAST.LV-3-85(D/04)
81019944	BAST.LV-4-85(D/04)
81019952	BAST.LV-2-105(D/04)
81019953	BAST.LV-3-105(D/04)

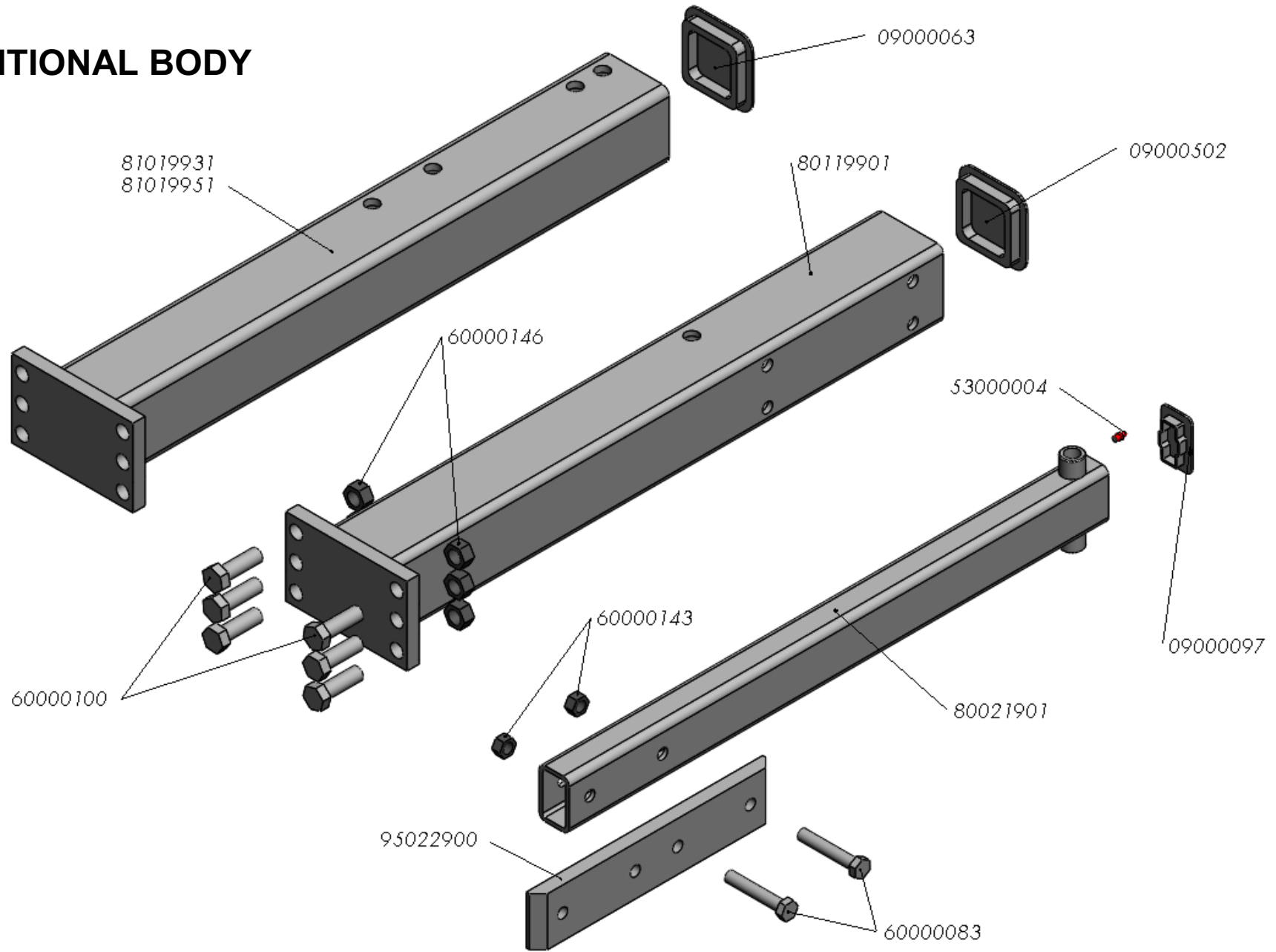
FRAME SUPPORT



FRAME SUPPORT

REFERENCIA	DESCRIPCIÓN
60000210	TUER.AUTO.DIN-985 1" SAE 8.8
62000015	PASADOR ELAST.DIN-1481 8* 80 ZINC.
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
64000062	TENSOR C/ROT.D=35 30386 ZINC.
65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm
80015940	SOP.BASTIDOR SL/LV-600mm.(D/07)
80042900	SEP.B.P.51/36* 35mm.ZINC.
90012905	TUERCA AJUSTE BASTIDOR EJE 110
95016900	HUSILLO AJUSTE BASTIDOR 600mm
95025901	BULON D=50*307mm.GIRO BAST.S (H/03)/FB(H/07)/SL/LV
95026900	ARAND.P/BULON GIRO BASTIDOR
95040900	SEP.B.P.51/36* 92mm.ZINC.
95076900	BULON D=35*262mm.TENSOR ANTER.S (H/03)/SL/LV (D/03
95089900	PEON REVERSIBLE D/70cm.(D/02) 75cm.SL (D/07)
95089910	PEON REVERSIBLE D/70cm.SL (D/07)
99040900	SEP.B.P.51/36* 73mm.ZINC.

ADDITIONAL BODY

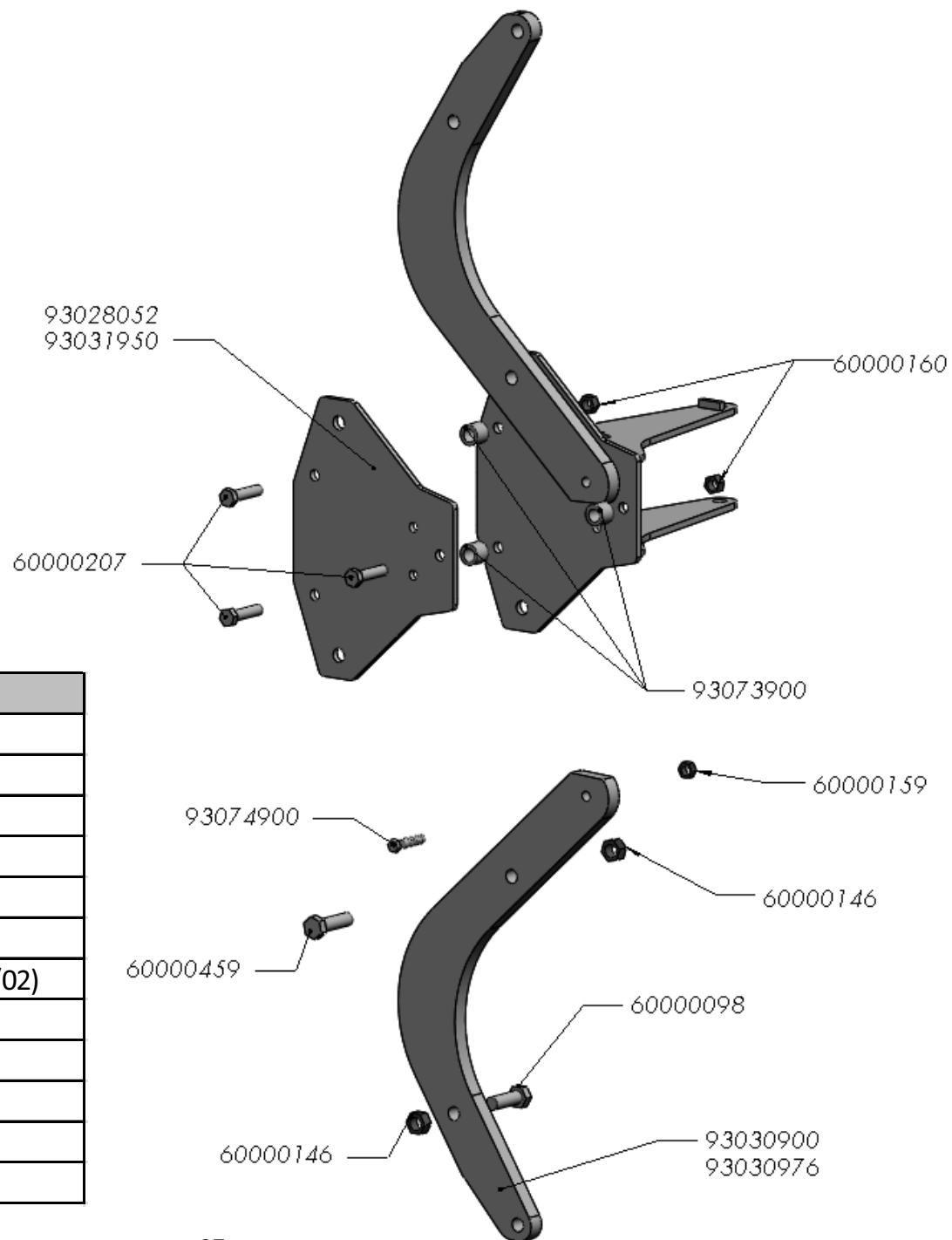


ADDITIONAL BODY

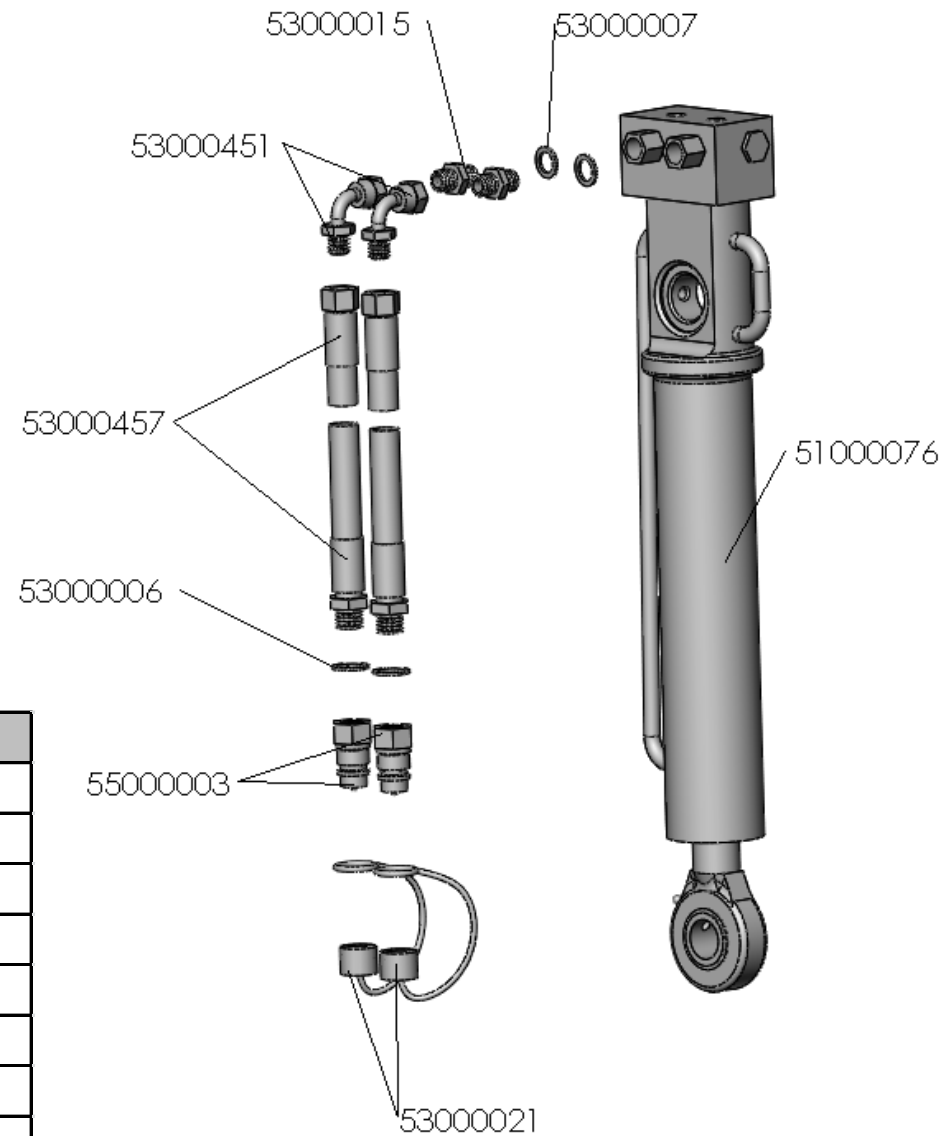
REFERENCIA	DESCRIPCIÓN
9000063	TAPON GOMA 110*110*10mm.
9000097	TAPON GOMA 80* 50* 6mm.
9000502	TAPON GOMA 110*110* 8mm.
53000004	ENGRASADOR AC° DIN-71412 8*125
60000083	TORN.EXAG.DIN-931 16* 90 8.8
60000100	TORN.EXAG.DIN-931 20* 70 8.8
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
80021901	BIELA SL-1-95
80119901	BAST.SL-1-95 (D/07)
81019931	BAST.LV-1-95(D/04)
81019951	BAST.LV-1-105(D/04)
95022900	PLACA CONEX.BIELA MODULO S

BEAM SUPPORT

REFERENCIA	DESCRIPCIÓN
60000098	TORN.EXAG.DIN-931 20* 60 8.8
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.
60000159	TUER.EXAG.DIN-934 14 8.8 ZINC.
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.
60000207	TORN.EXAG.DIN-931 16* 65 8.8
60000459	TORN.EXAG.C/LAR. 20* 70 10.9
93028052	PLACA PORTACAMBA INT./EXT.SL/LV-85 (D/02)
93030900	CAMBA SL 25mm. (H/12)
93030976	CAMBA SL 25mm 75cm DESPEJE (D/13)
93031950	PLACA PORTACAMBA EXT.SL/LV-95 (D/02)
93073900	SEP.B.P.32/20* 26mm.
93074900	TORN.FUSIBLE 14*60 10.9

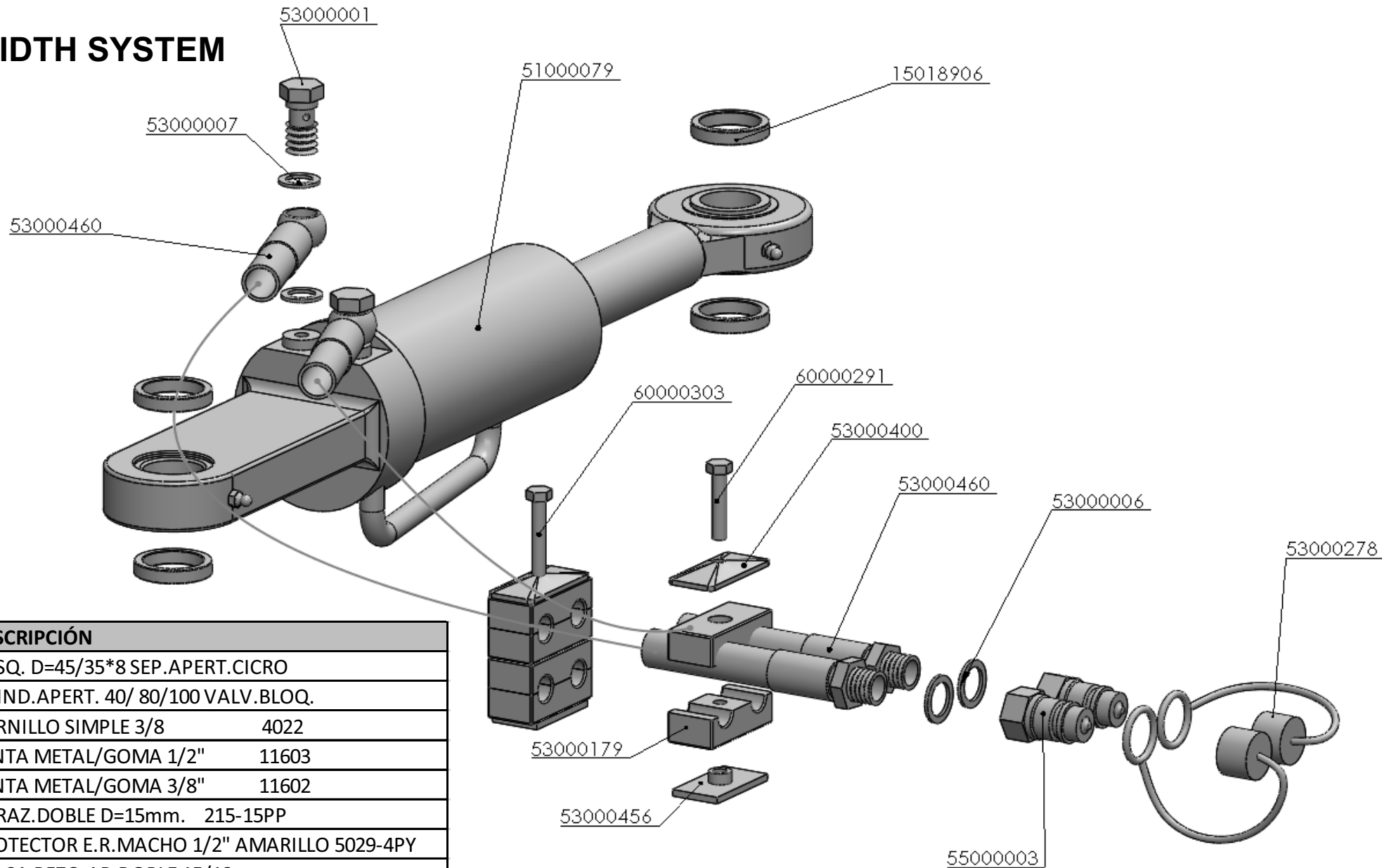


ROLLOVER



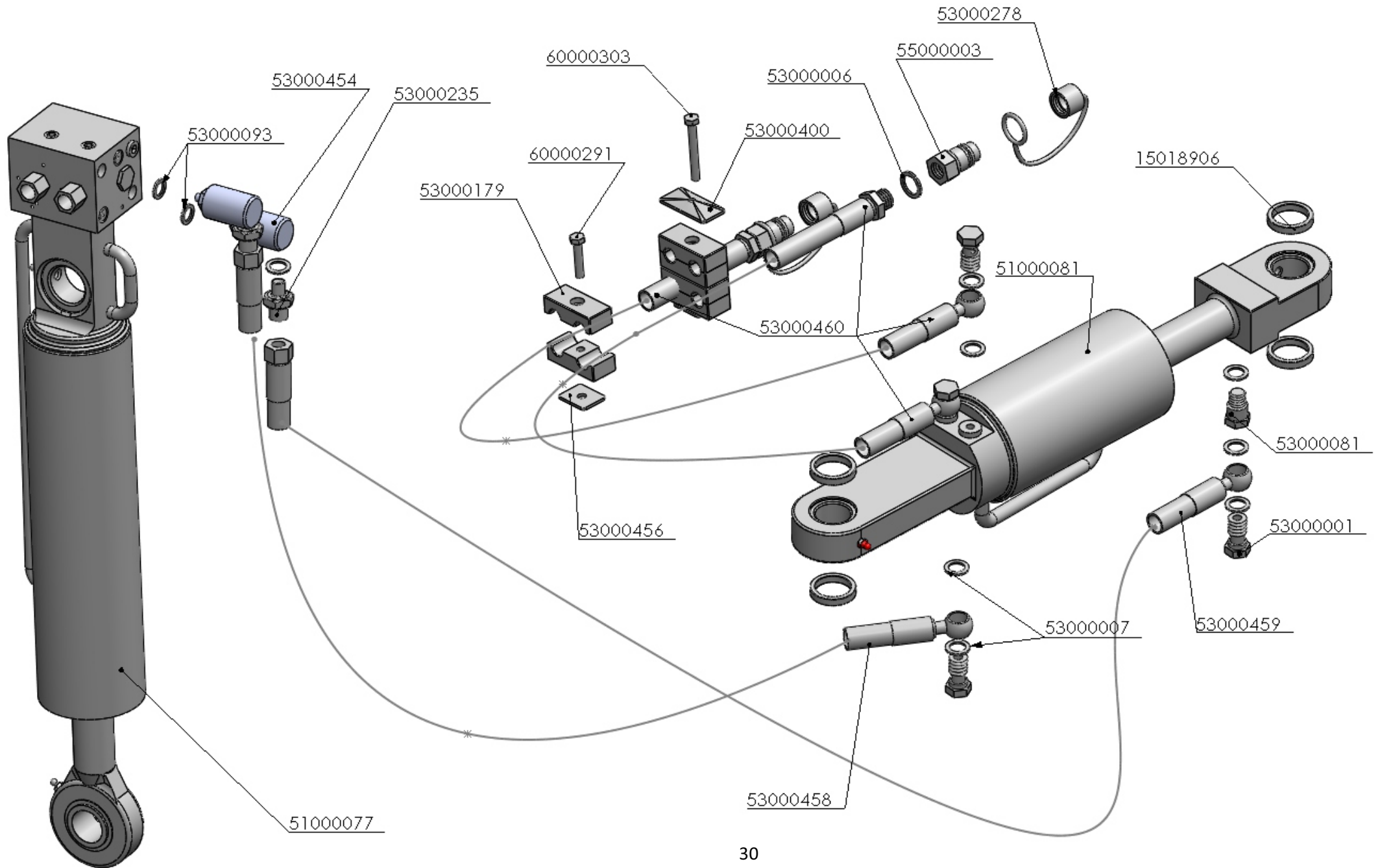
REFERENCIA	DESCRIPCIÓN
51000076	CILIND.VOLTEO 35/63/260 + VALV.SIMPLE
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000015	UNION MACHO 3/8 4062
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR
53000451	CODO 45° C/TCA.LOCA 3/8 S952-17
53000457	LATIG.R2-1/4*1500mm.MF-1/2/TL-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108

VARYWIDTH SYSTEM



REFERENCIA	DESCRIPCIÓN
15018906	CASQ. D=45/35*8 SEP.APERT.CICRO
51000079	CILIND.APERT. 40/ 80/100 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.

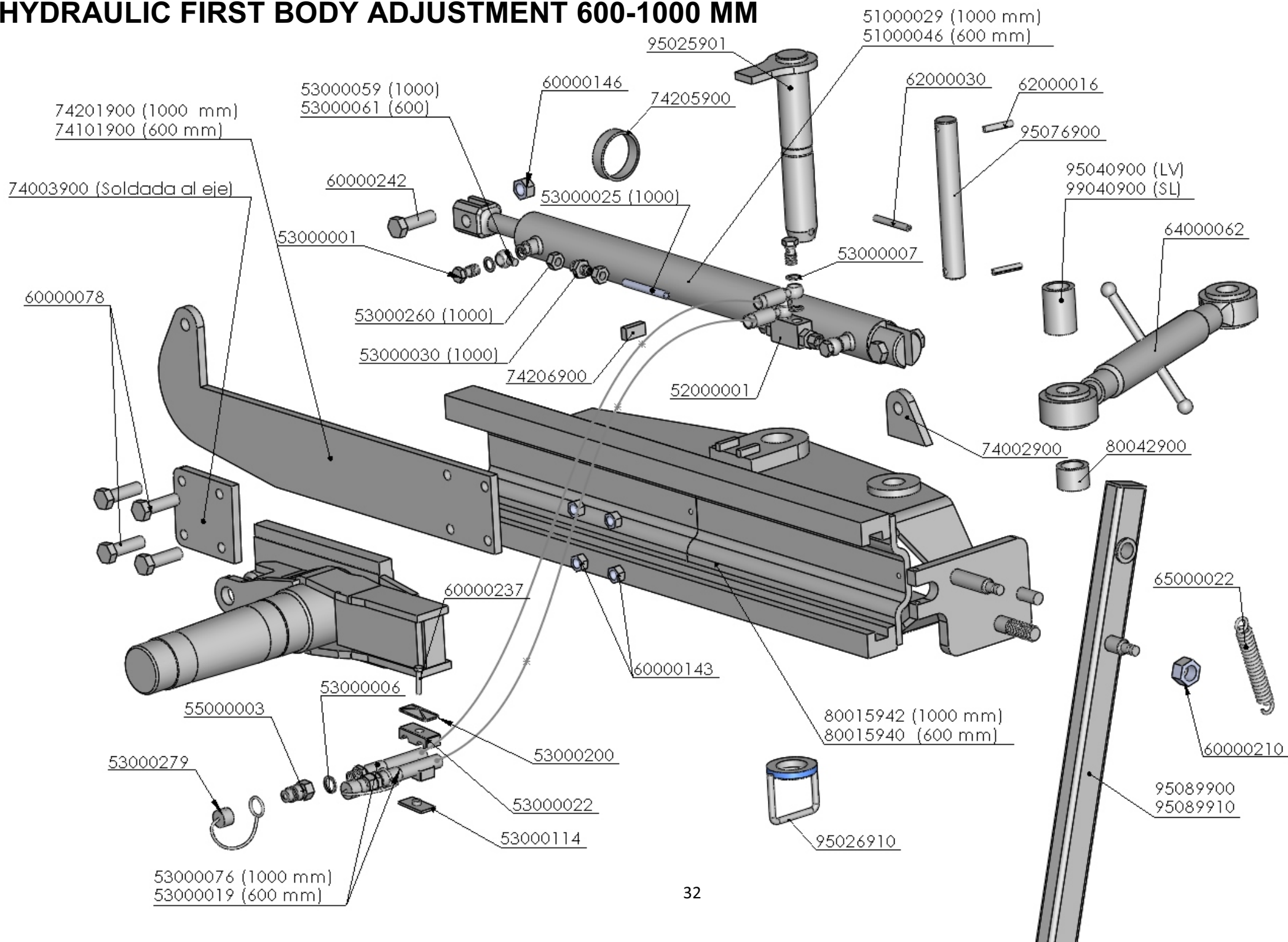
MEMORY



MEMORY

REFERENCIA	DESCRIPCIÓN
15018906	CASQ. D=45/35*8 SEP.APERT.CICRO
51000077	CILIND.VOLTEO 35/63/260 + VALV.SECUENCIAL
51000081	CILIND.APERT./MEMª. 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
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
53000459	LATIG.MF210-1/4*2580mm.OR-3/8/TL-3/8
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.

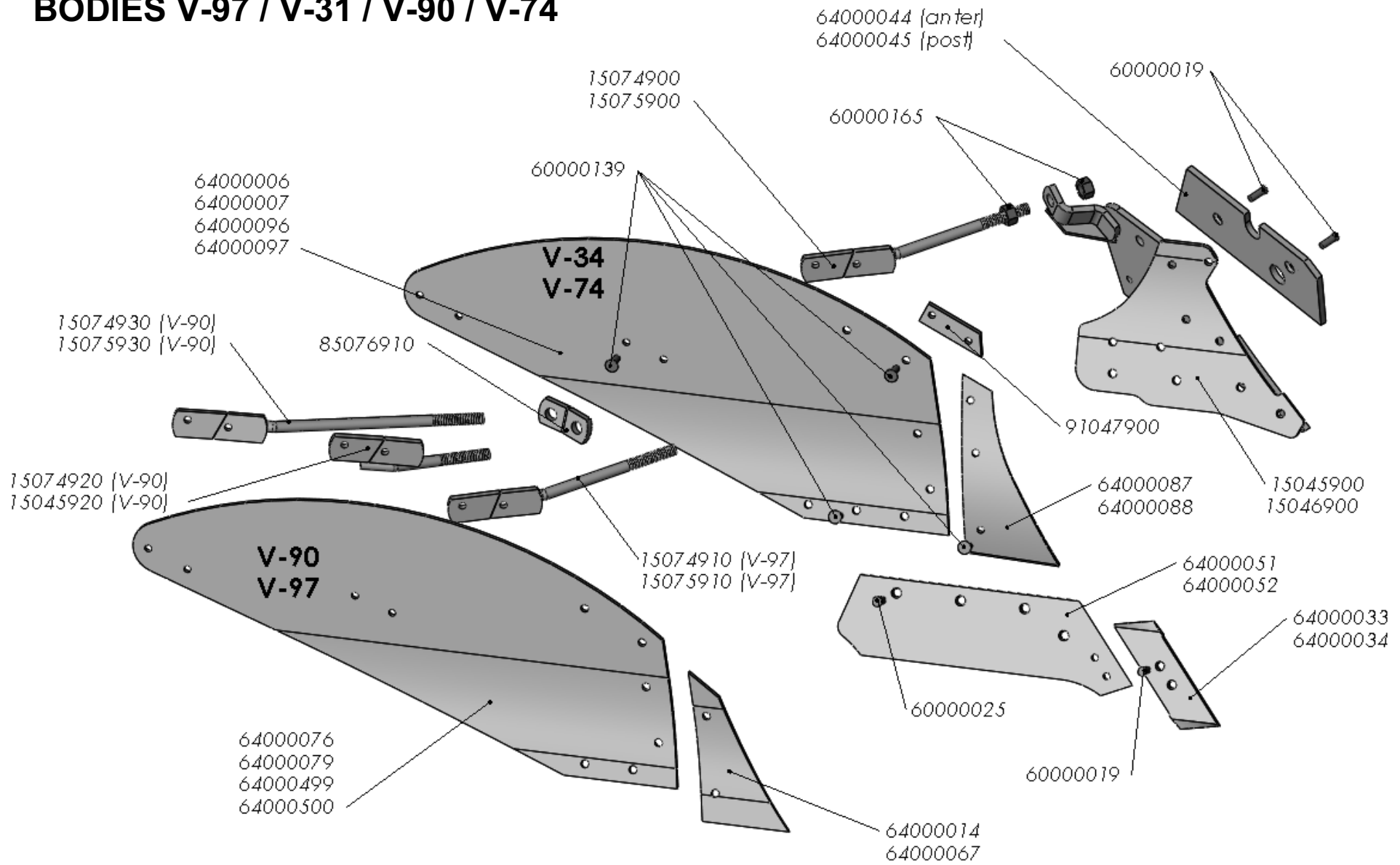
HYDRAULIC FIRST BODY ADJUSTMENT 600-1000 MM



HYDRAULIC FIRST BODY ADJUSTMENT 600-1000 MM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000029	CILIND.DESPL.C/HORQ.60/30/700	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
51000046	CILIND.DESPL.C/HORQ.60/30/300 RAL-6029	65000022	MUELLE TRACCIÓN 225/175*26*5 EECC 195mm
52000001	VALV.BLOQUEO ZINC.12 VBD38	74002900	OREJA CORREDERA 15*20,5*90*50mm.
53000001	TORNILLO SIMPLE 3/8 4022	74003900	OREJA PLACA EJE
53000006	JUNTA METAL/GOMA 1/2" 11603	74101900	OREJA PLACA 600
53000007	JUNTA METAL/GOMA 3/8" 11602	74201900	OREJA PLACA 1000
53000022	ABRAZ.DOBLE D=19mm. 1D19PP	74205900	ARO APOYO CIL.DESPL.
53000025	M.TUBO ACERO D=12*9mm.ZINC..	74206900	CALZO ARO APOYO CIL.DESPL.
53000030	UNION TUBO/TUBO 12mm. G12-L	74601900	TORNILLERIA SOP.BAST.DESPL.HIDR. 800-1000/110
53000059	ESFERICO 3/8" TUBO 12mm.CORTO 4002E	80015940	SOP.BASTIDOR SL/LV-600mm.(D/07)
53000061	ESFERICO 3/8" TUBO 12mm.LARGO	80015942	SOP.BASTIDOR SL/LV-1000mm.(D/07)
53000076	LATIG.R2-3/8*2900mm.MF-1/2/OR-3/8	80042900	SEP.B.P.51/36* 35mm.ZINC.
53000114	PLACA SOLDAR AB.DOBLE 19 SP3D	95025901	BULON D=50*307mm.GIRO BAST.S (H/03)/FB(H/07)/SL/LV
53000200	PLACA RFZO.AB.DOBLE 19 GD3D	95026910	ARAND.P/BULON C/GUIA LATIG.
53000241	M.FUNDA TEXSLEEVE D=55	95040900	SEP.B.P.51/36* 92mm.ZINC.
53000260	TUERCA M18*1,5 C/BICONO D12L M12-L PSR12LX	95076900	BULON D=35*262mm.TENSOR ANTER.S (H/03)/SL/LV (D/03)
53000279	PROTECTOR E.R.MACHO 1/2" VERDE 5029-4PG	95089900	PEON REVERSIBLE D/70cm.(D/02) 75cm.SL (D/07)
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108	95089910	PEON REVERSIBLE D/70cm.SL (D/07)
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	99040900	SEP.B.P.51/36* 73mm.ZINC.
62000016	PASADOR ELAST.DIN-1481 10* 50 ZINC.		

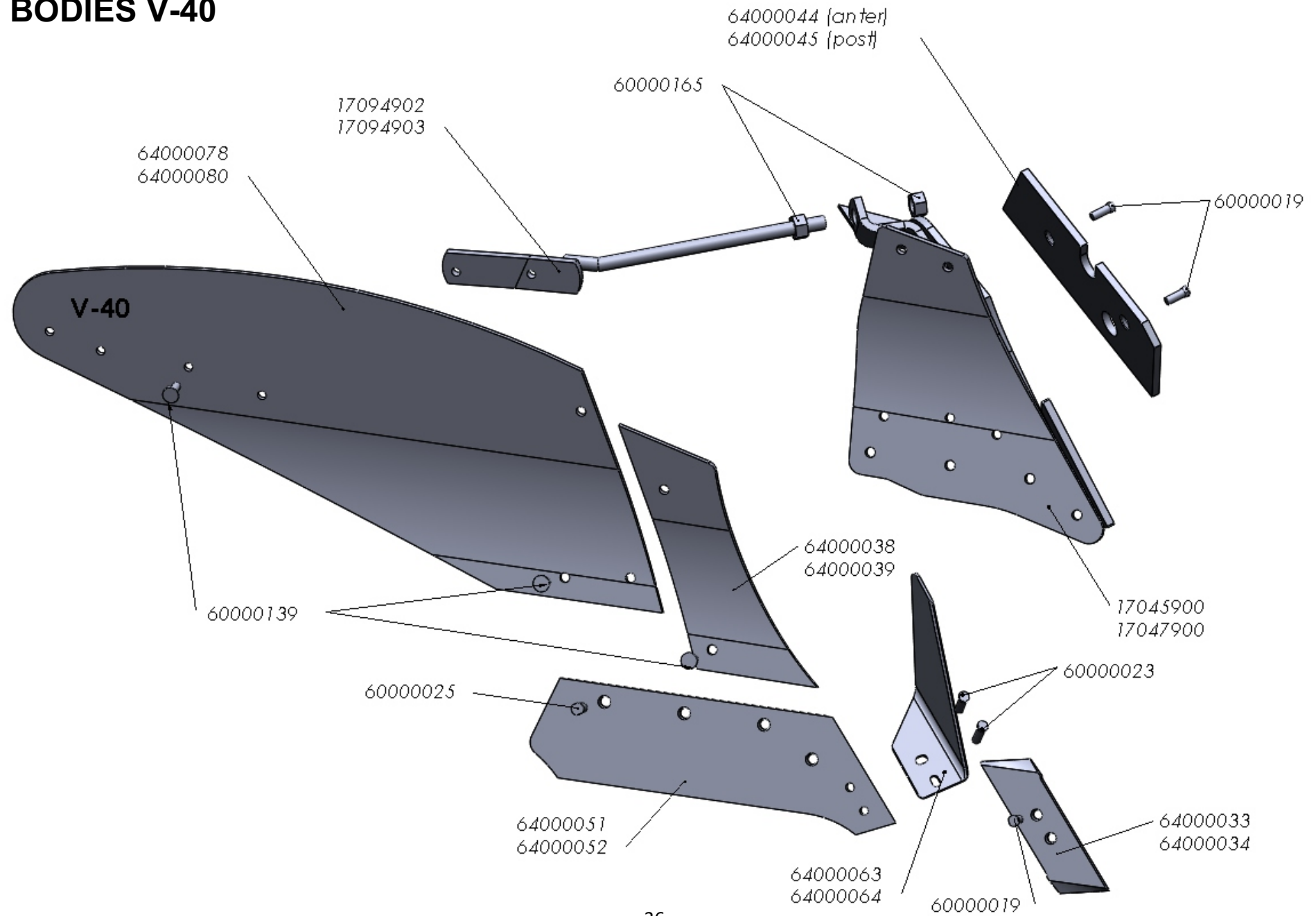
BODIES V-97 / V-31 / V-90 / V-74



BODIES V-97 / V-31 / V-90 / V-74

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15045900	PORTA-REJAS DCH. V-97/ V-34 (D/04)	64000033	PUNTA REJA 1365-D 65x12mm.
15046900	PORTA-REJAS IZQD. 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 1434-17-I-CAV
15075900	TENSOR V-34 CORTO IZQD.(D/04)	64000067	COMPLEMENTO BORO 1798-I-CAV
15075910	TENSOR V-97 CORTO IZQD.(D/04)	64000076	VERTEDERA CEMENT. V-97-D-CAV
15075920	TENSOR V-90 CORTO IZQD.	64000079	VERTEDERA CEMENT. V-97-I-CAV
15075930	TENSOR V-90 LARGO IZQD.	64000087	COMPLEMENTO BORO 1849-D-CA
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000088	COMPLEMENTO BORO 1849-I-CA
60000025	TORN.ARADO C/OV/934 14*35 12.9	64000096	VERTEDERA BORO V-74-D-CAV
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.	64000097	VERTEDERA BORO V-74-I-CAV
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000499	VERTEDERA CEMENT. V-90-D-CAV (KV-28)
64000006	VERTEDERA CEMENT. V-34-D-CAV	64000500	VERTEDERA CEMENT. V-90-I-CAV (KV-28)
64000007	VERTEDERA CEMENT. V-34-I-CAV	85076910	SOP.TENSOR LARGO V-90
64000014	COMPLEMENTO BORO 1798-D-CAV	91047900	PLETINA UNION VERT./COMPL. V-34

BODIES V-40



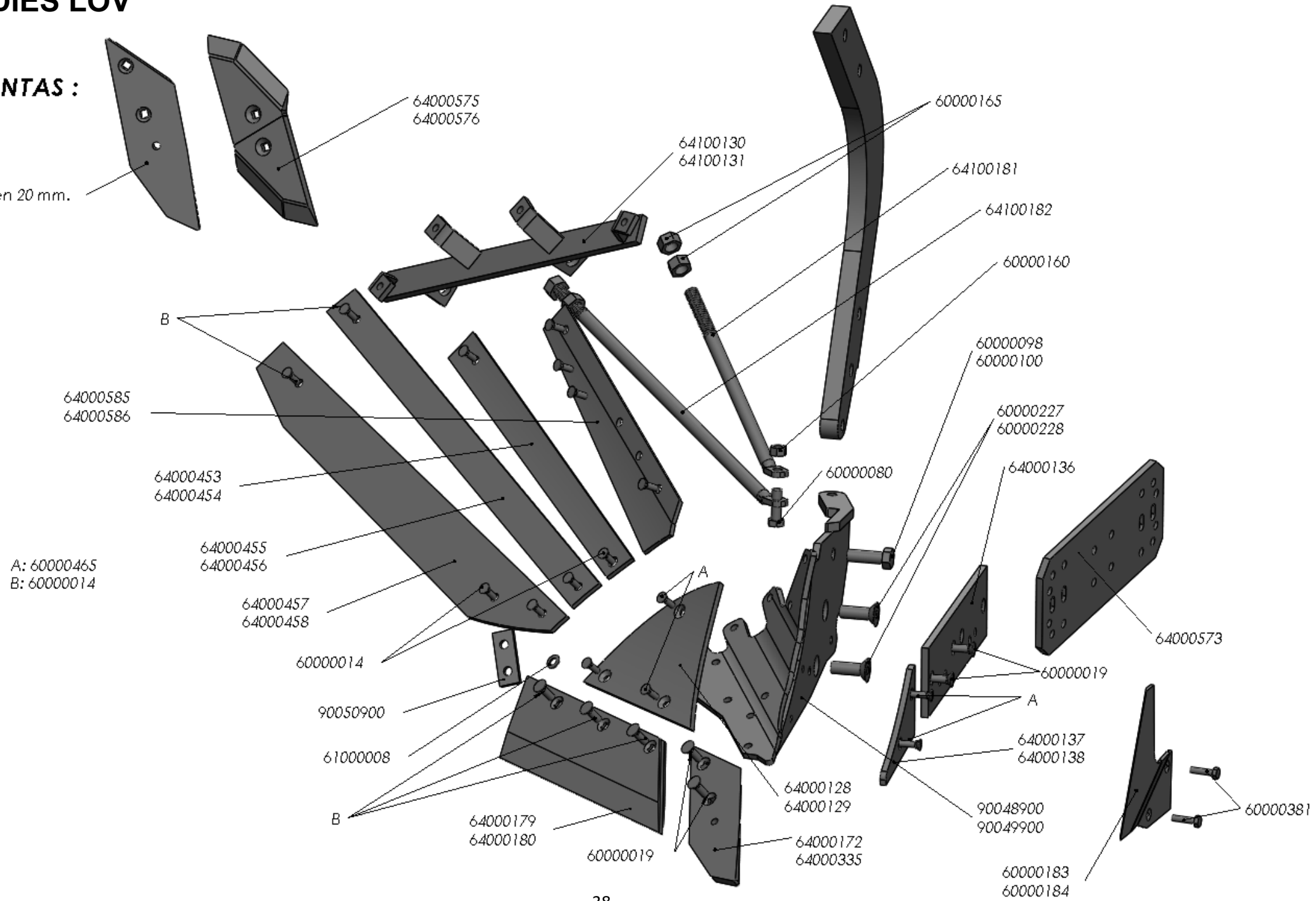
BODIES V-40

REFERENCIA	DESCRIPCIÓN
17045900	PORTA-REJAS DCH. V-40 (D/04)
17047900	PORTA-REJAS IZQ. V-40 (D/04)
17094902	TENSOR V-40 CORTO DCH.(D/04)
17094903	TENSOR V-40 CORTO IZQD.(D/04)
60000019	TORN.ARADO C/OV/934 12*36 12.9
60000023	TORN.ARADO C/OV/934 12*42 12.9
60000025	TORN.ARADO C/OV/934 14*35 12.9
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.
64000033	PUNTA REJA 1365-D 65x12mm.
64000034	PUNTA REJA 1365-I 65x12mm.
64000038	COMPLEMENTO BORO 1839-D-CAV
64000039	COMPLEMENTO BORO 1839-I-CAV
64000044	COSTANERA CORTA 2338-CAV-BAR
64000045	COSTANERA LARGA 2339-CAV-BAR
64000051	REJA V-34-17-D-CAV
64000052	REJA V-34-17-I-CAV
64000063	CORTANTE 1464-D
64000064	CORTANTE 1464-I
64000078	VERTEDERA CEMENT. V-40-D-CAV
64000080	VERTEDERA CEMENT. V-40-I-CAV

BODIES LOV

PUNTAS :

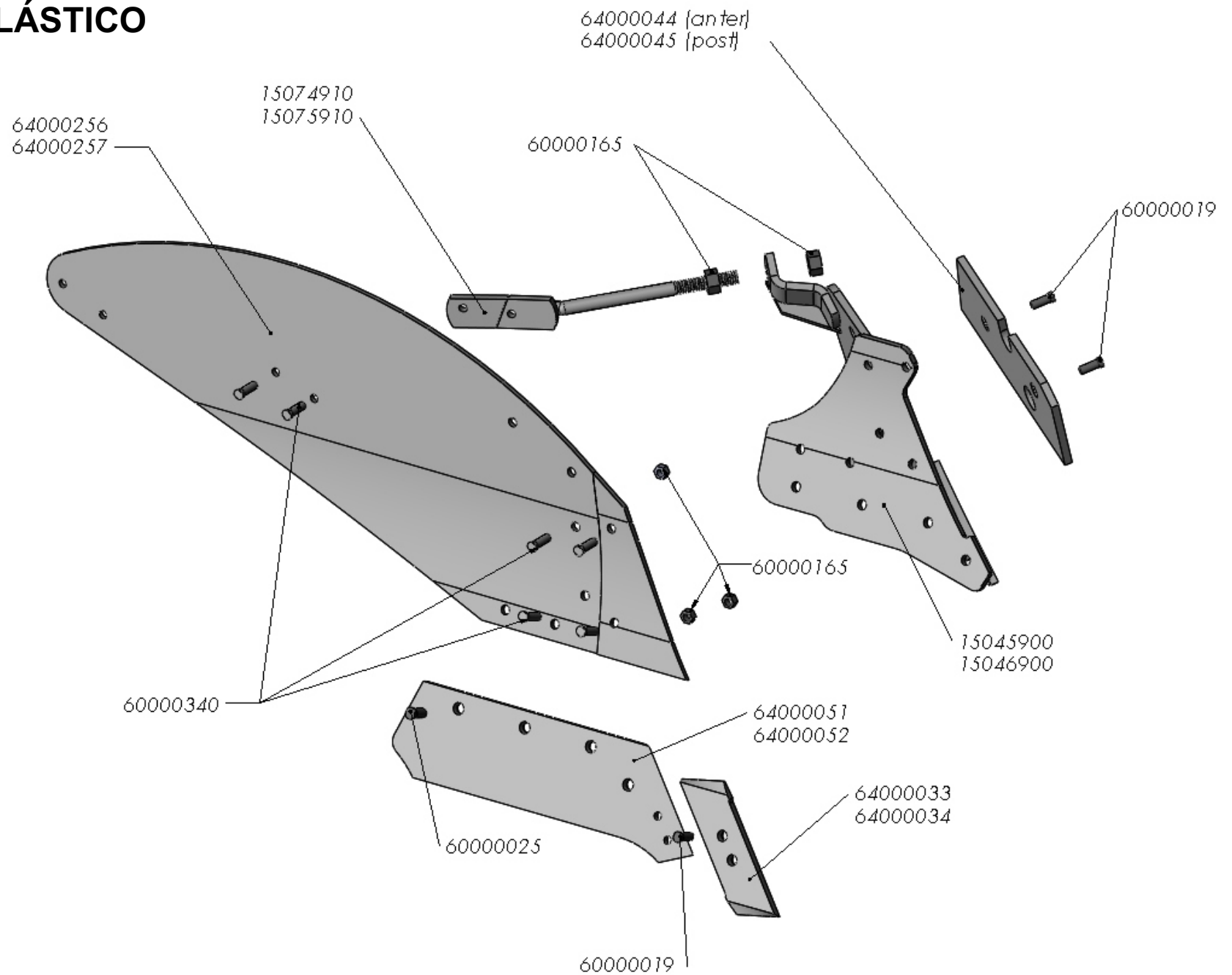
en 20 mm.



BODIES LOV

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000014	TORN.ARADO C/OV/934 12*33 12.9	64000184	CORTANTE I-LK 3492891
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000335	PUNTA REJA I LOV 15mm.
60000080	TORN.EXAG.DIN-931 16* 60 8.8 ZINC.	64000453	LAMINA 2-D (D/09-11)
60000098	TORN.EXAG.DIN-931 20* 60 8.8	64000454	LAMINA 2-I (D/09-11)
60000100	TORN.EXAG.DIN-931 20* 70 8.8	64000455	LAMINA 3-D (D/09-11)
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	64000456	LAMINA 3-I (D/09-11)
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.	64000457	LAMINA 4-D (D/09-11)
60000227	TORN.ALLEN DIN-7991 20* 60 12.9	64000458	LAMINA 4-I (D/09-11)
60000228	TORN.ALLEN DIN-7991 20* 70 12.9	64000573	COSTANERA XL D/I LOV
60000381	TORN.ARADO DIN-608/934 10*40 8.8	64000575	PUNTA REJA D LOV REVERS.
60000465	TORN.ARADO C/OV/934 10*33 12.9	64000576	PUNTA REJA I LOV REVERS.
61000008	ARAND.DIN-125 12 ZINC.	64000585	LAMINA 1-D-XL REVERS.
64000128	COMPLEMENTO D LOV	64000586	LAMINA 1-I-XL REVERS.
64000129	COMPLEMENTO I LOV	64100130	SOP.TENSOR D LOV RFZD.
64000136	COSTANERA D/I LOV	64100131	SOP.TENSOR I LOV RFZD.
64000137	PUNTA COSTAN.D LOV	64100181	SENSOR CORTO RFZD.LOV
64000138	PUNTA COSTAN.I LOV	64100182	SENSOR LARGO RFZD.LOV
64000172	PUNTA REJA D LOV 15mm.	90048900	PORTA-REJAS DCH.LOV
64000179	REJA 20"D LOV	90049900	PORTA-REJAS IZQD.LOV
64000180	REJA 20"I LOV	90050900	PLETINA UNION VERT-REJA LOV
64000183	CORTANTE D-LK 3492890		

BODIES V-PLÁSTICO



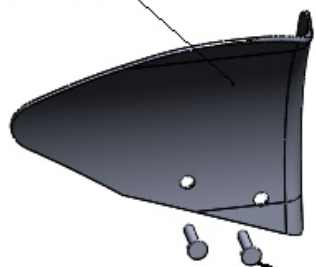
BODIES V-PLÁSTICO

REFERENCIA	DESCRIPCIÓN
64000044	COSTANERA CORTA 2338-CAV-BAR
64000045	COSTANERA LARGA 2339-CAV-BAR
60000019	TORN.ARADO C/OV/934 12*36 12.9
60000165	TUER.EXAG.DIN-934 22 8.8 ZINC.
15045900	PORTA-REJAS DCH.1797/1834 (D/04)
15074910	TENSOR 1797 CORTO DCH.(D/04)
64000256	VERTEDERA PLASTIC.D A73286M (1797)
60000340	TORN.ARADO DIN-603 12*40 8.8 ZINC.
60000025	TORN.ARADO C/OV/934 14*35 12.9
60000019	TORN.ARADO C/OV/934 12*36 12.9
64000033	PUNTA REJA 1365-D 65x12mm.
64000051	REJA 1434-17-D-CAV
15046900	PORTA-REJAS IZQD.1797/1834 (D/04)
64000257	VERTEDERA PLASTIC.I A73287M (1797)
64000052	REJA 1434-17-I-CAV
64000034	PUNTA REJA 1365-I 65x12mm.
15075910	TENSOR 1797 CORTO IZQD.(D/04)

SKIMMERS LV-LH

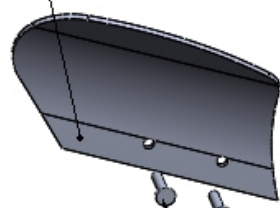
GRAN CAPACIDAD

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64000191



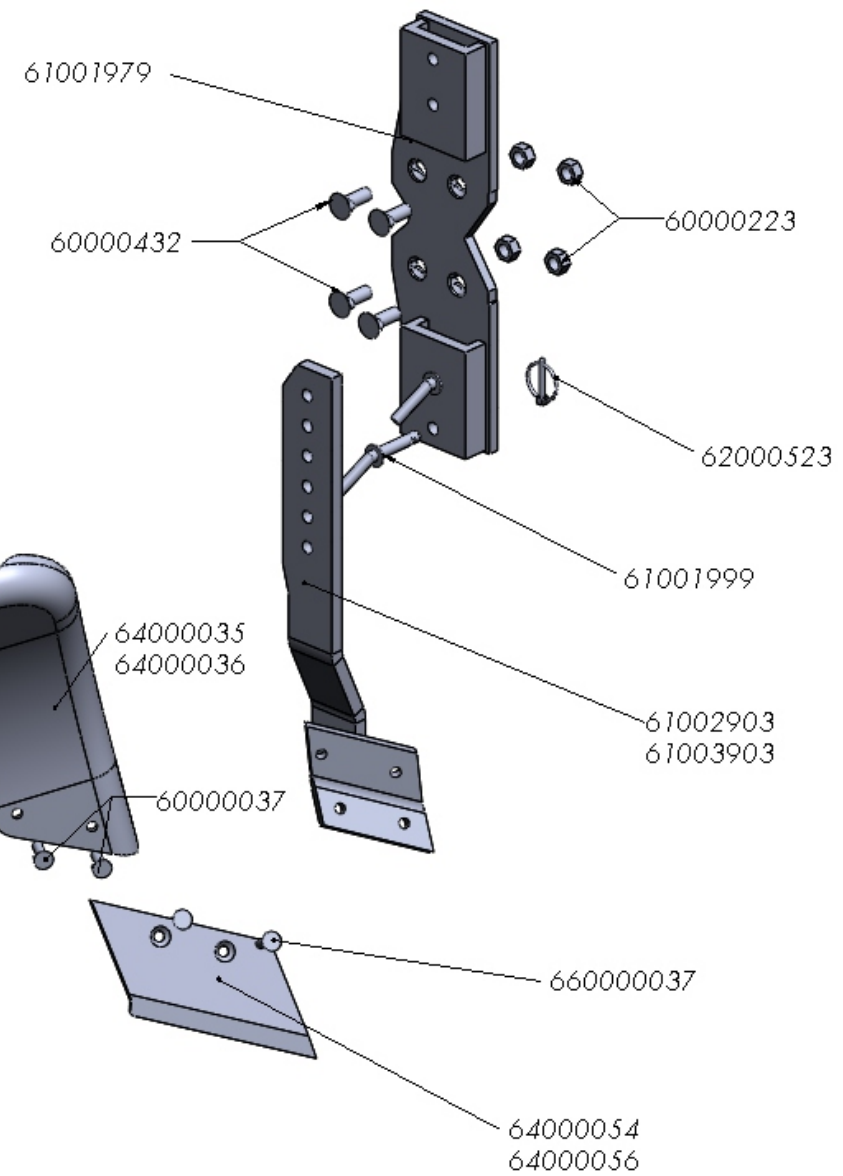
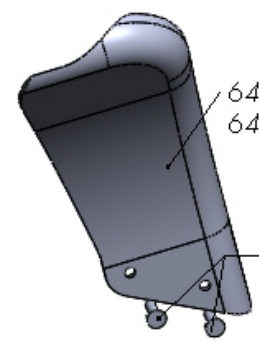
UNIVERSAL

61004900
61005900



MAÍZ

64000035
64000036

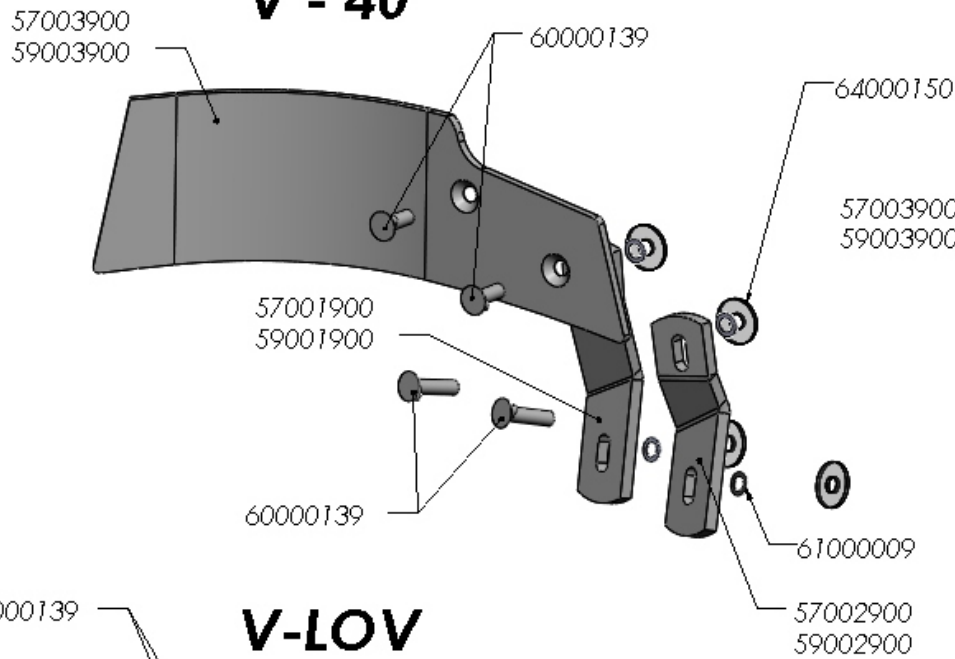


SKIMMERS LV-LH

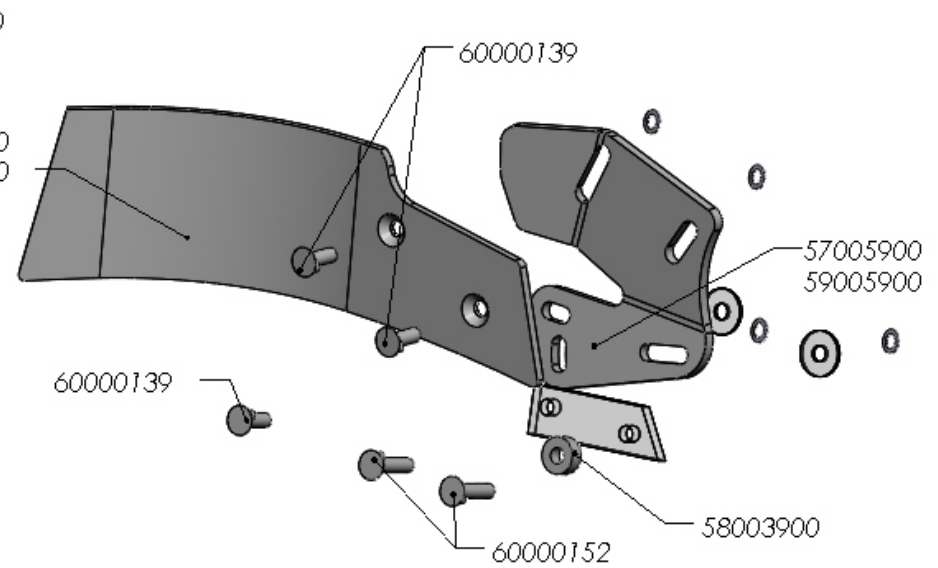
REFERENCIA	DESCRIPCIÓN
60000037	TORN.ARADO 2TET/934 10*35 10.9 ZINC.
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.
60000432	TORN.ARADO 2TET/934 14*40 10.9 ZINC.
61001979	SOP.RASETAS D/76cm.(D/13)
61001999	BULON D=12*120mm. REG.RASETAS
61002903	BRAZO RASETA DCH.(D/13-AG)
61003903	BRAZO RASETA IZQD.(D/13-AG)
61004900	RASETA UNIV.1855-D-CAV
61005900	RASETA UNIV.1855-I-CAV
62000003	PASADOR ANILLA 6 ZINC.
64000035	RASETA MAIZ 1820-D-CA1V BORO
64000036	RASETA MAIZ 1820-I-CA1V BORO
64000054	REJA RASETA 1394-D-CAV
64000056	REJA RASETA 1394-I-CAV
64000190	RASETA 1705-D-CAV BORO
64000191	RASETA 1705-I-CAV BORO

COVER BOARDS

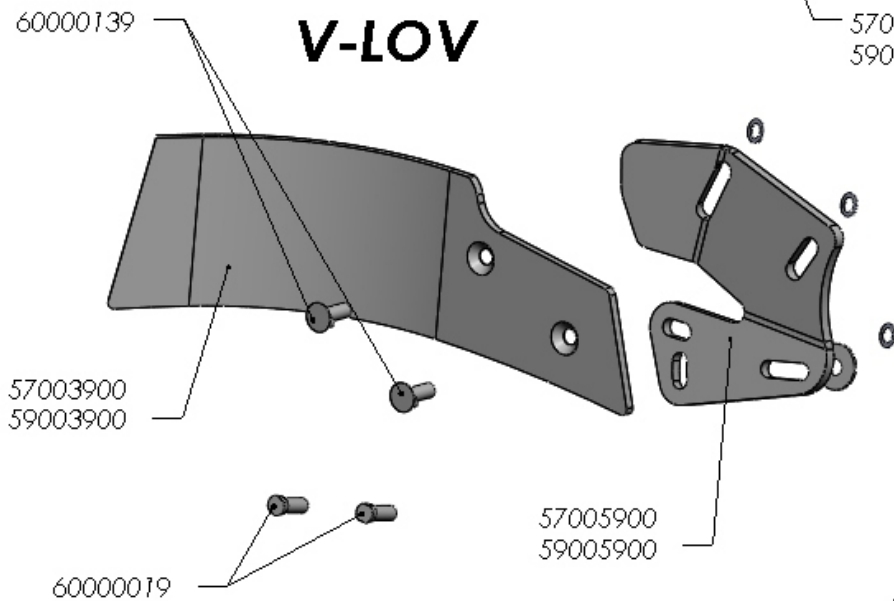
V - 40



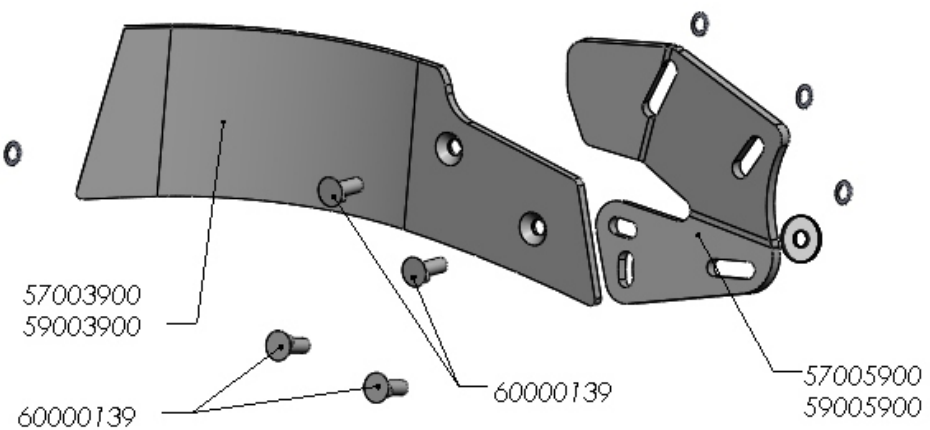
V-34 / V-74



V-LOV



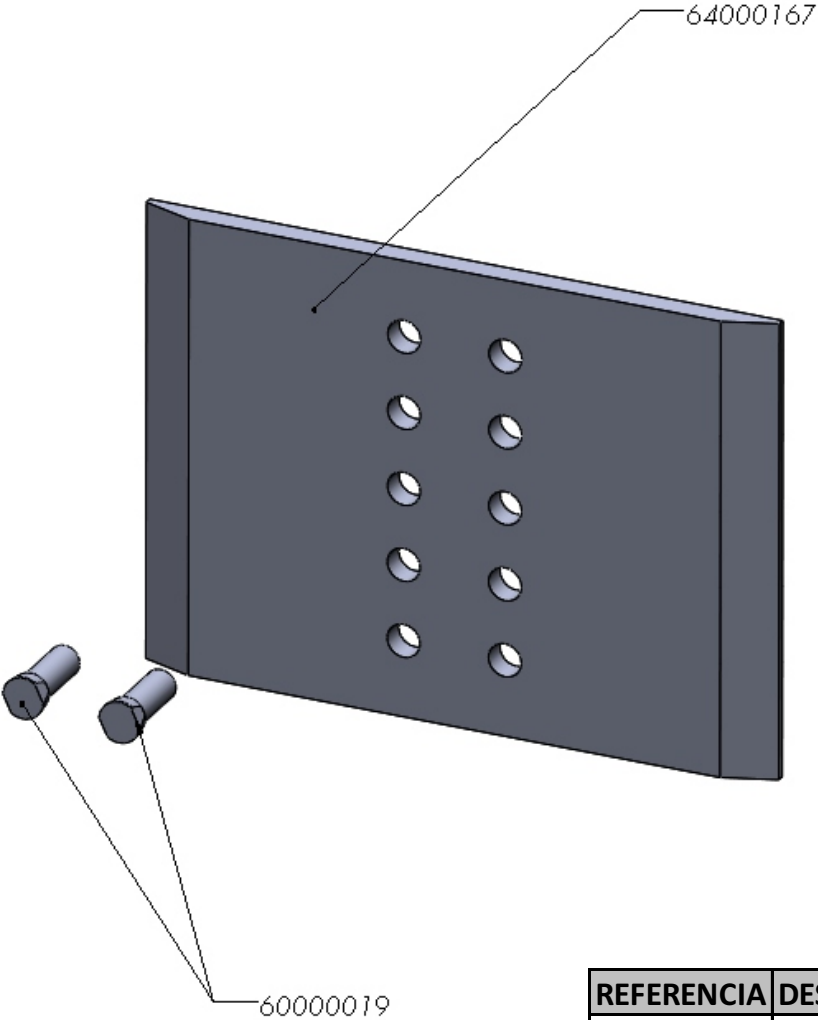
V-90 / V-97



COVER BOARDS

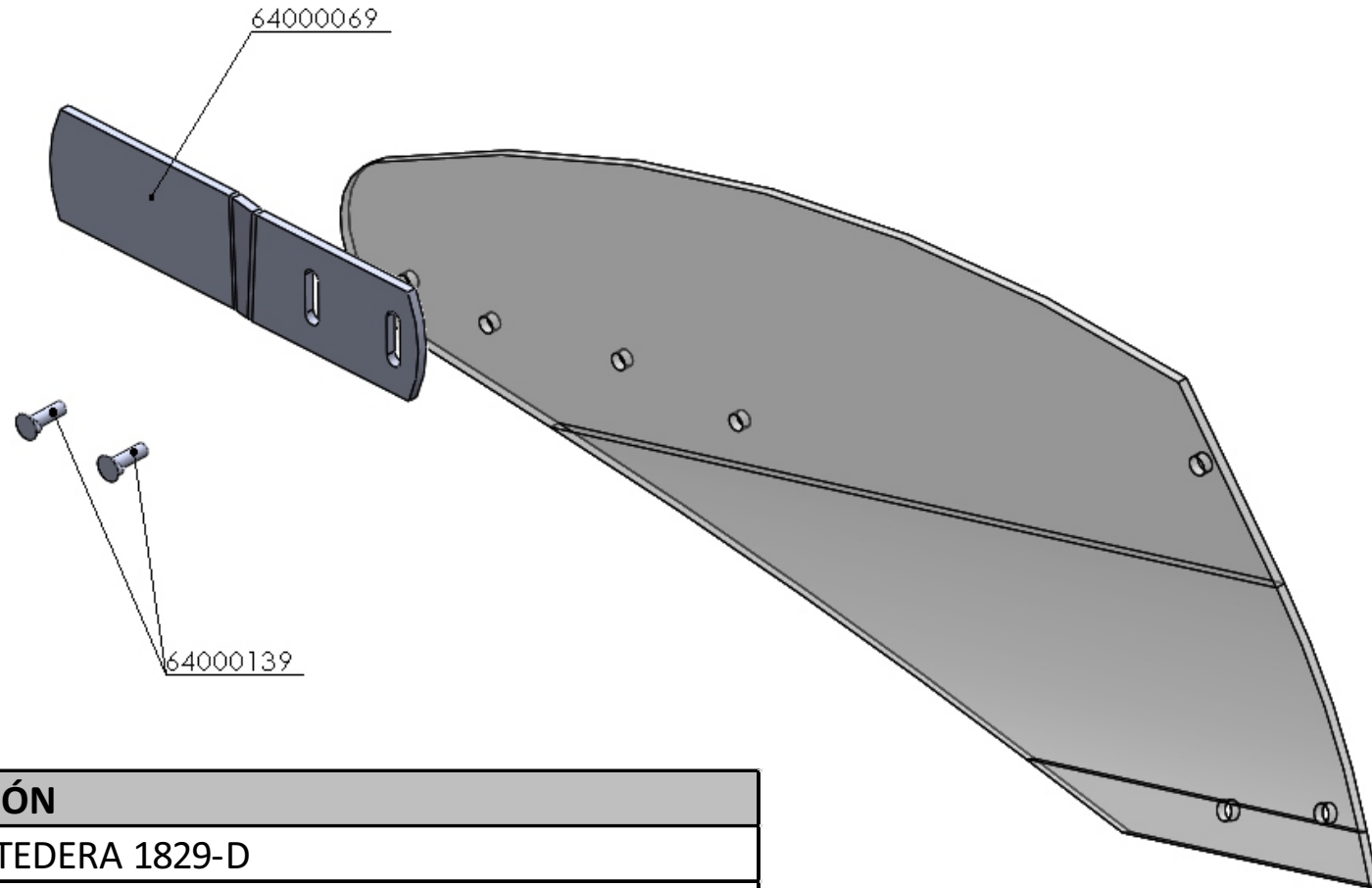
REFERENCIA	DESCRIPCIÓN
57001900	SOP.POST.DCH.C.R.1840/V-LK
57002900	SOP.ANTER.DCH.C.R.1840/POST.DCH.1701
57003900	DEFLECTOR BORO 1856-D-CAV
57005900	SOPORTE C.R. DCH.(1797-1834-VLAM)
58003900	CASQ.D= 30/13*12mm.SEP.SOP.C.R.1834 ZINC.
59001900	SOP.POST.IZQD.C.R.1840/V-LK
59002900	SOP.ANTER.IZQD.C.R.1840/POST.IZQD.1701
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

LANDSLIDE EXTENSION



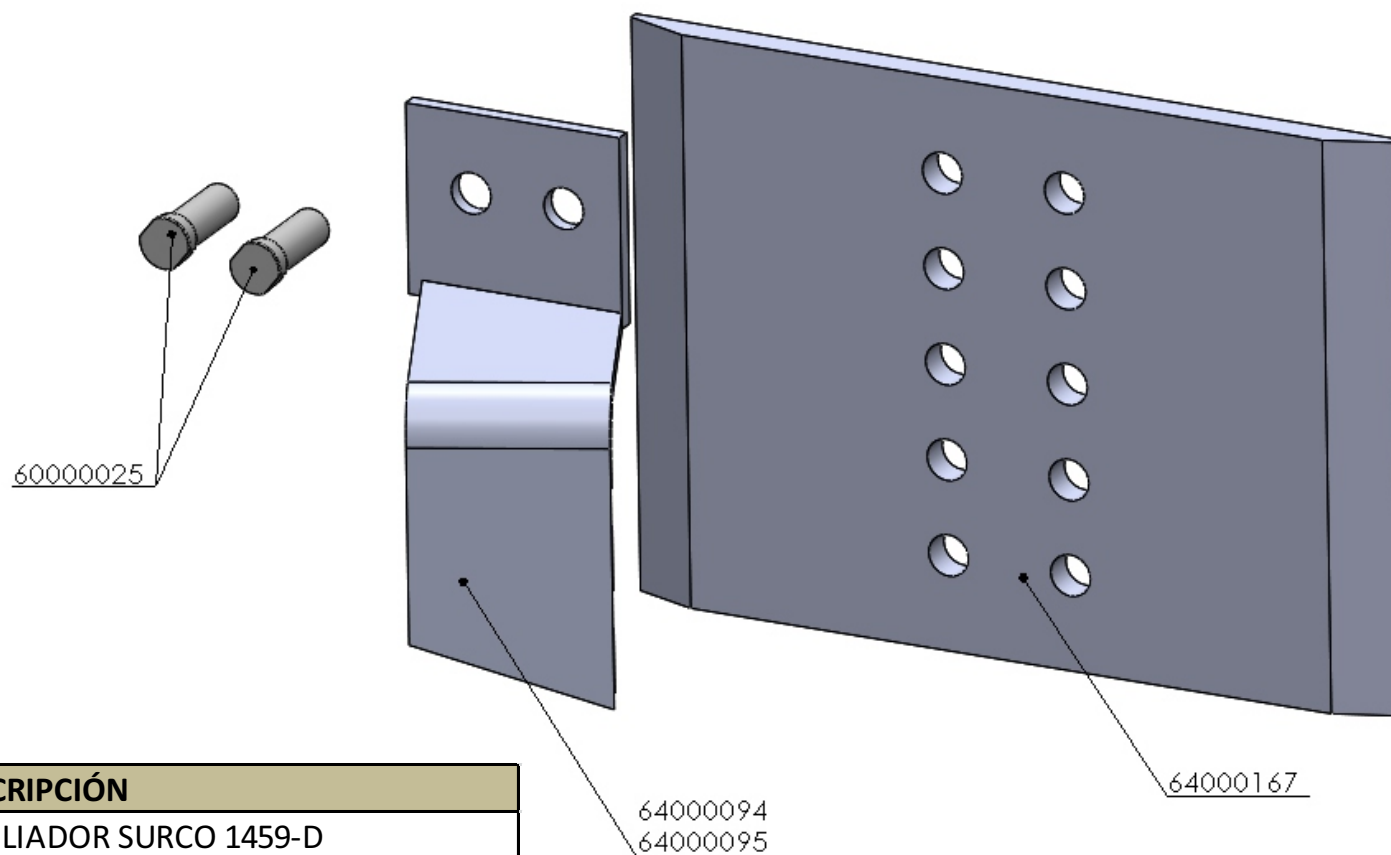
REFERENCIA	DESCRIPCIÓN
64000167	TALONERA 2357
60000019	TORN.ARADO C/OV/934 12*36 12.9

SUPLEMENT. EXTENSION MOULBOARDS



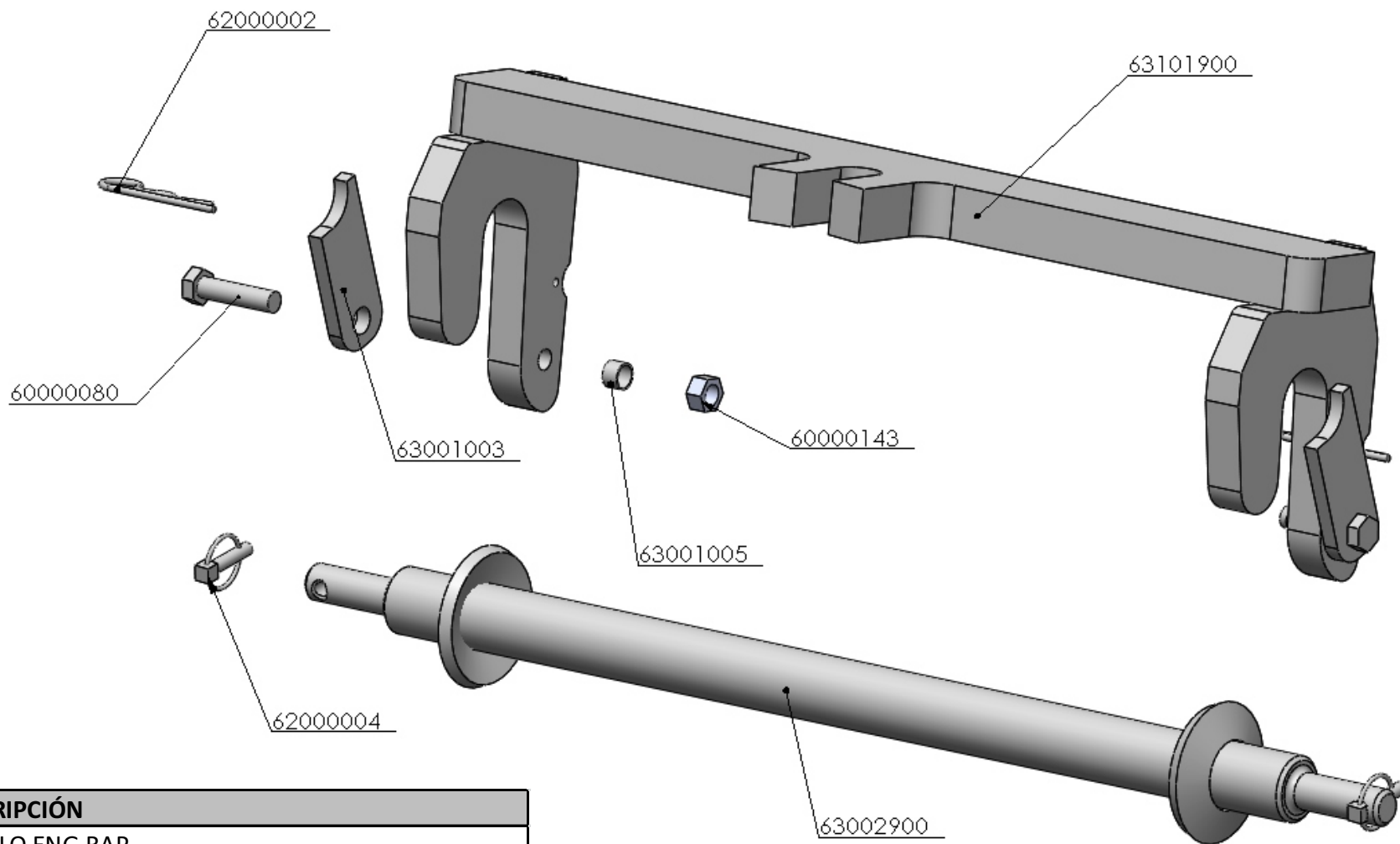
REFERENCIA	DESCRIPCIÓN
64000069	COLA VERTEDERA 1829-D
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.

SUPLEMENT. EXPANDER GROOVE



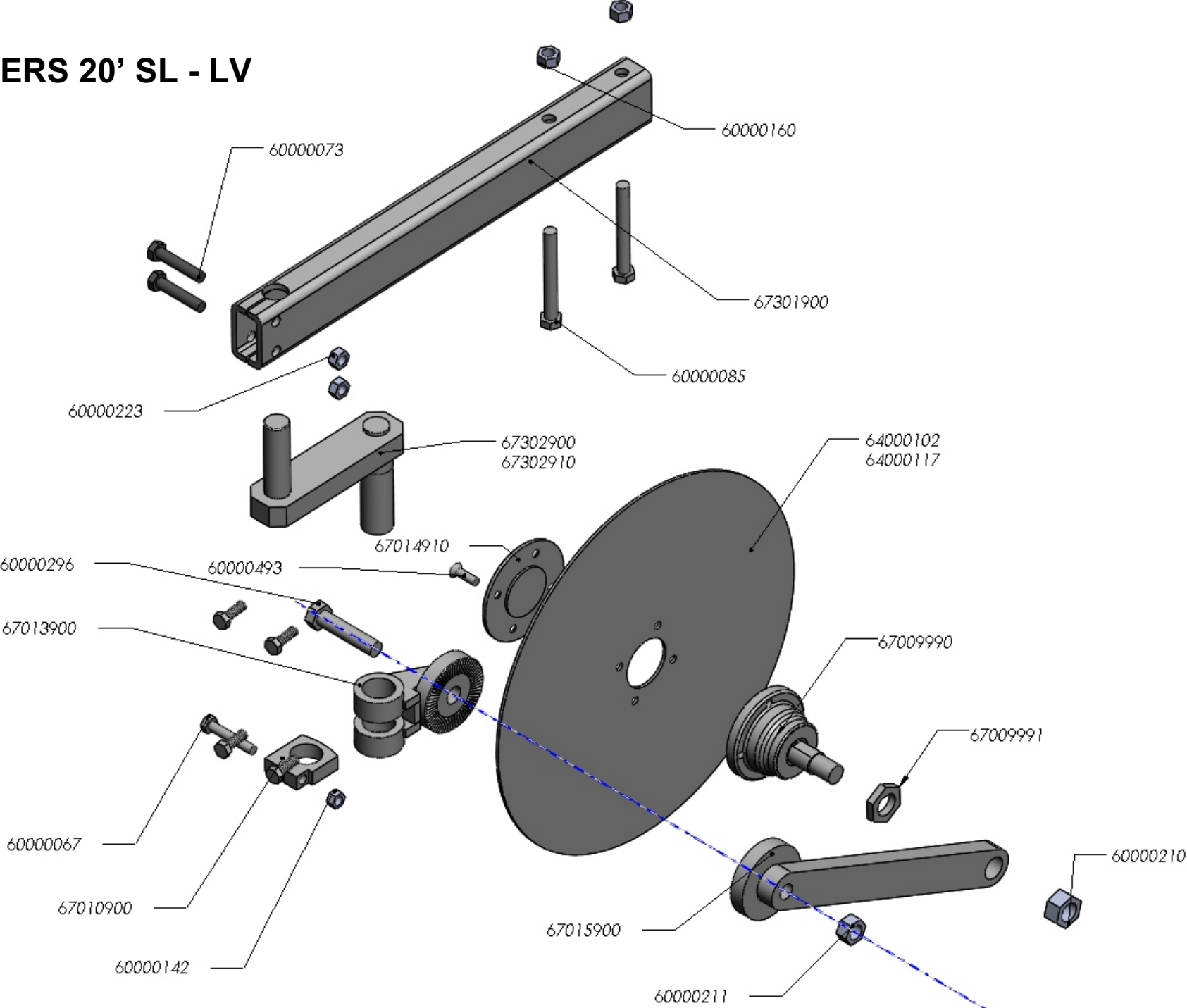
REFERENCIA	DESCRIPCIÓN
64000094	AMPLIADOR SURCO 1459-D
64000095	AMPLIADOR SURCO 1459-I
64000167	TALONERA 2357
60000025	TORN.ARADO C/OV/934 14*35 12.9

FAST HITCH



REFERENCIA	DESCRIPCIÓN
63001003	GATILLO ENG.RAP.
63002900	BARRA ENG.RAP.CAT-II
63101900	BALANC.P/ENG.RAP.40mm.
60000080	TORN.EXAG.DIN-931 16* 60 8.8 ZINC.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
63001005	SEP.TUBO 20*13mm.
62000002	PASADOR "R" 5 ZINC.

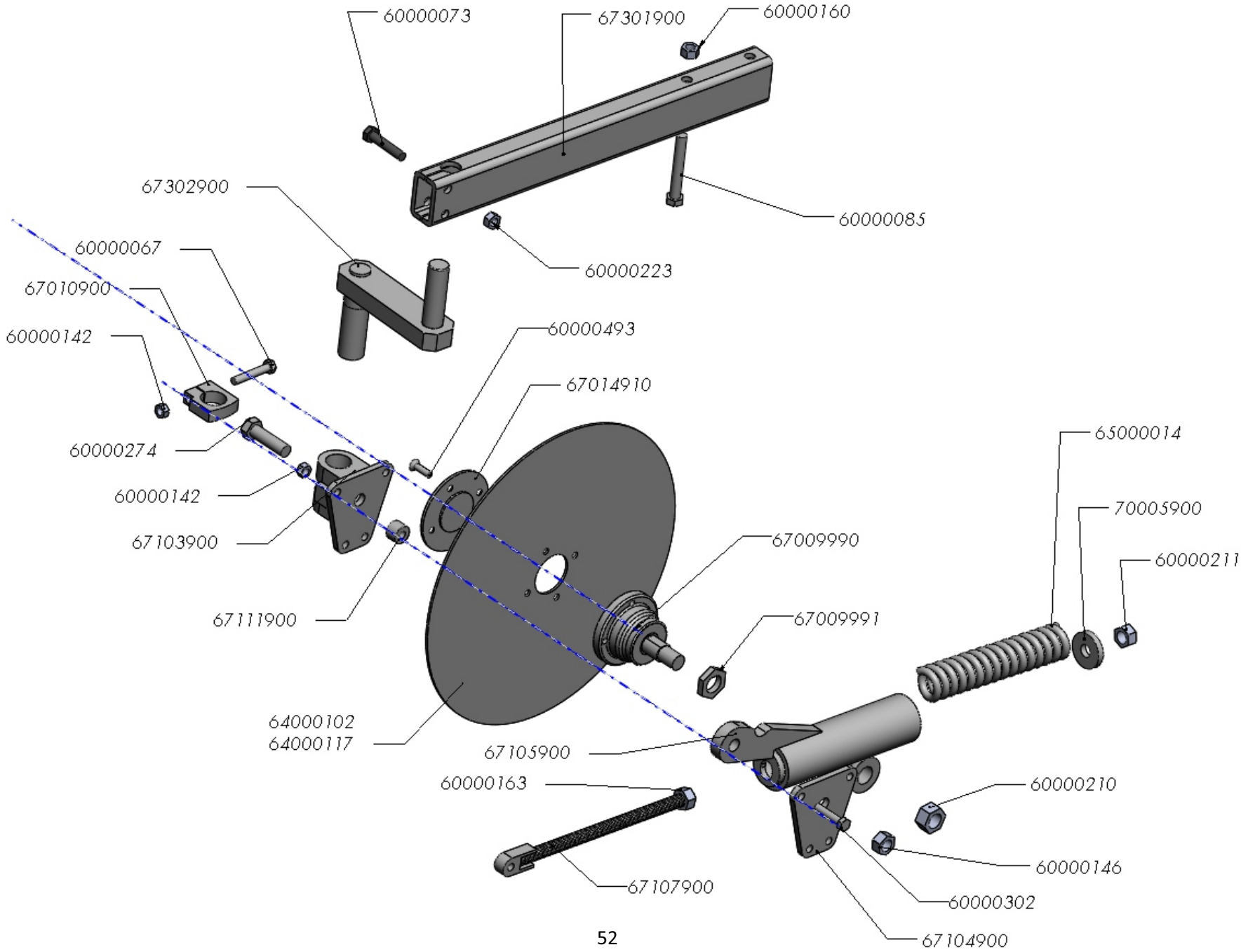
DISC COULTERS 20' SL - LV



DISC COULTERS 20' SL - LV

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68
60000073	TORN.EXAG.DIN-931 14* 70 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000085	TORN.EXAG.DIN-931 16*110 8.8 ZINC.	67009991	ARANDELA FRENO BUJE DISCOS
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	67010900	ABRAZ.REGULACION
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	67013900	SOP.GIRO DISCOS 20"
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	67014910	TAPA DISCOS (D/16)
60000211	TUER.AUTO.DIN-985 20 8.8	67015900	BRAZO DISCOS 20"
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67301900	BRAZO SOP.DISCOS 670mm.
60000296	TORN.EXAG.DIN-931 20* 90 8.8 ZINC.	67302900	SEMI-MANIVELA CORTA
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.	67302910	SEMI-MANIVELA LARGA
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68		

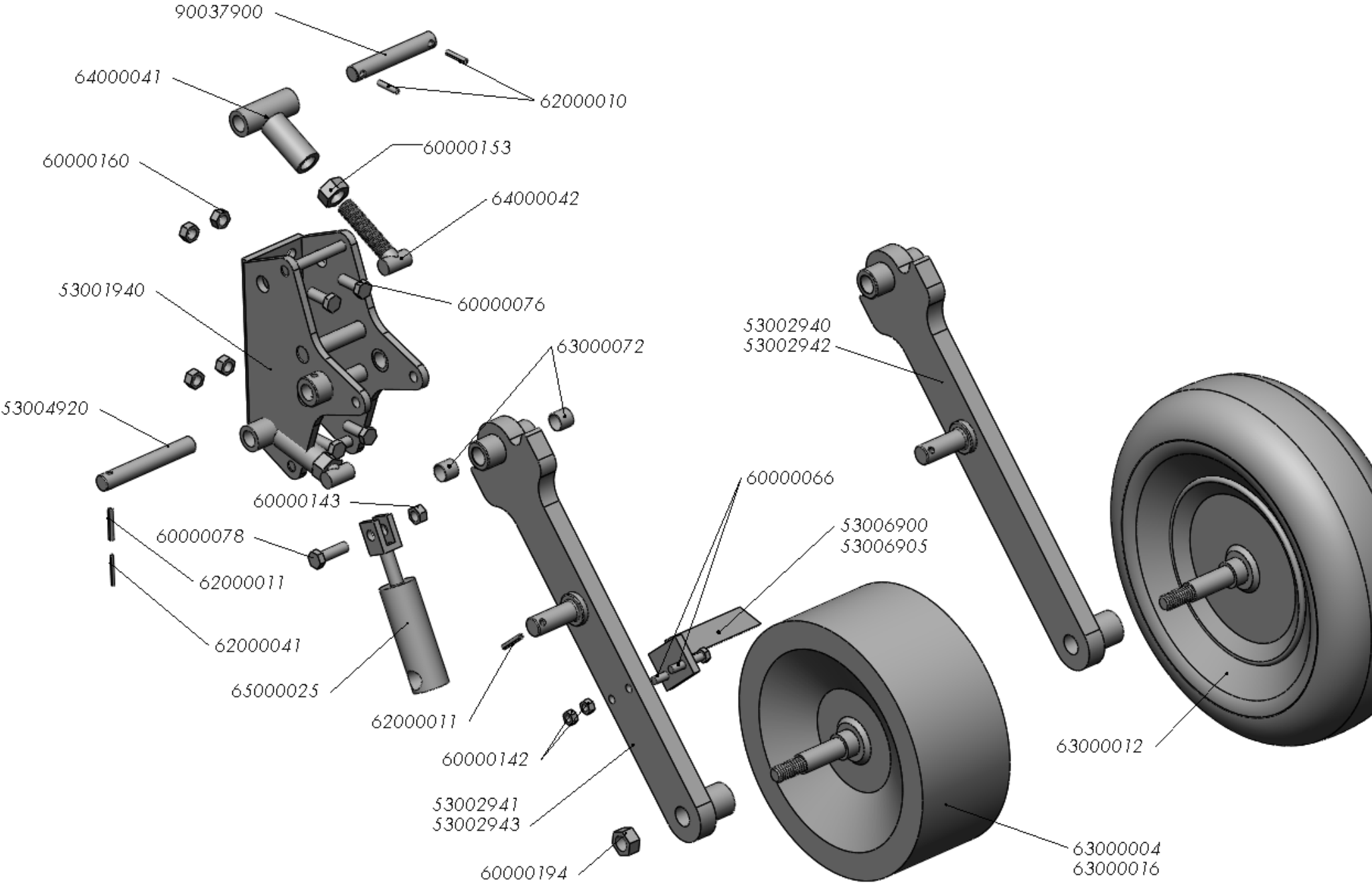
DISC COULTERS 20' NON STOP SL - LV



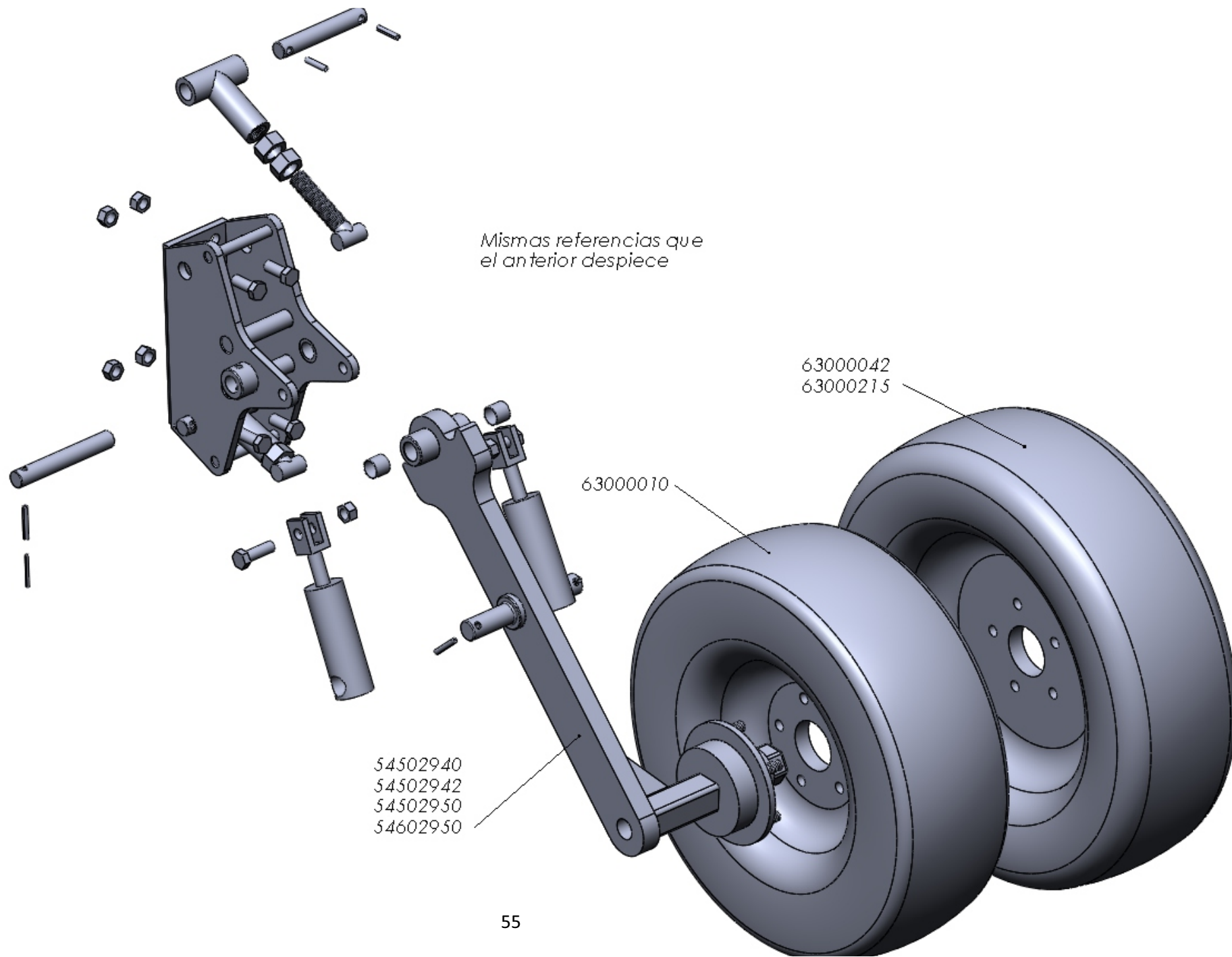
DISC COULTERS 20' NON STOP SL - LV

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	65000014	MUELLE COMPR.CILIN.275*57*12 LUZ-5
60000073	TORN.EXAG.DIN-931 14* 70 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000085	TORN.EXAG.DIN-931 16*110 8.8 ZINC.	67009991	ARANDELA FRENO BUJE DISCOS
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	67010900	ABRAZ.REGULACION
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC.	67014900	TAPA DISCOS
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	67014910	TAPA DISCOS (D/16)
60000163	TUER.EXAG.DIN-934 20 8.8	67103900	GIRO DISCOS NON-STOP
60000210	TUER.AUTO.DIN-985 1" SAE 8.8	67105900	BRAZO DISCOS NON-STOP
60000211	TUER.AUTO.DIN-985 20 8.8	67107900	CORREDERA MUELLE DISCOS NON-STOP
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	67111900	CASQ.D= 30/12,5*21mm.SEP.SOP.DISCOS NON-STOP
60000274	TORN.EXAG.DIN-931 20* 70 8.8 ZINC.	67301900	BRAZO SOP.DISCOS 670mm.
60000302	TORN.EXAG.DIN-931 12* 55 8.8	67302900	SEMI-MANIVELA CORTA
60000493	TORN.ALLEN DIN-7991 10* 25 10.9 ZINC.	67302910	SEMI-MANIVELA LARGA
64000102	DISCO PLANO LISO ARADO 1983-20" 5mm.R-68	70005900	ARAND.RFZO.D= 58*21 E-10mm.
64000117	DISCO PLANO MUESC.ARADO 1983-20" 5mm.R-68		

CONTROL WHEEL



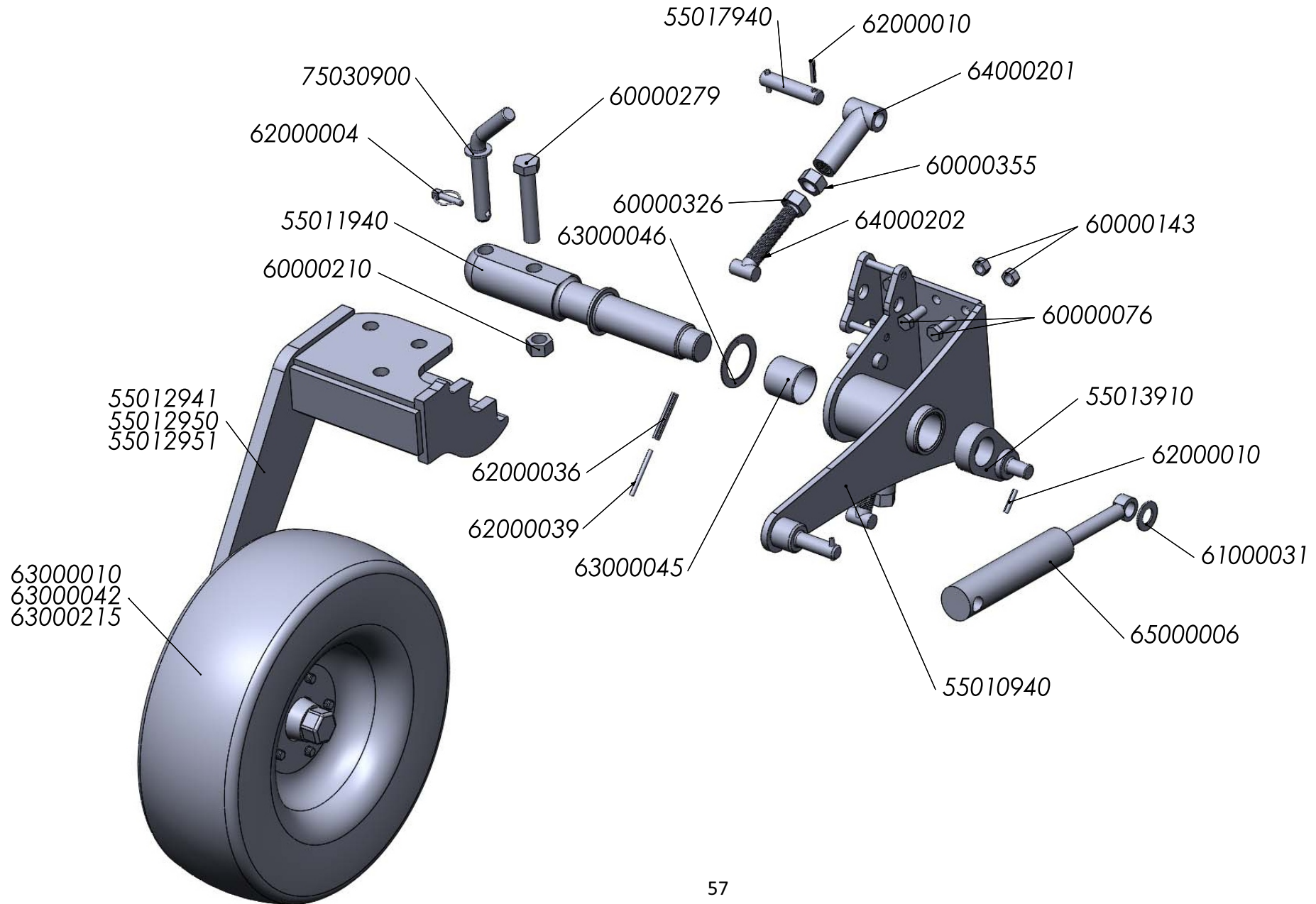
CONTROL WHEEL 608 - 686



CONTROL WHEEL 608 - 686

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53001940	SOP.RDA.CONTROL (D/04)	60000153	TUER.EXAG.DIN-934 1"SAE 8.8 ZINC.
53002940	BRAZO RDA.NEUM.REV.(D/04)	60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.
53002941	BRAZO RDA.MET.REV.(D/04)	60000194	TUER.AUTO.DIN-985 24/200 8.8
53002942	BRAZO RDA.NEUM.REV.D/85 (D/04)	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
53002943	BRAZO RDA.MET.REV.D/85 (D/04)	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53004920	BULON D=25*175mm.BRAZO RDA.(D/03)	62000041	PASADOR ELAST.DIN-1481 5* 50
53006900	CUCHILLA RDA.	63000004	R.M.C/EJE 400*170*3 RAL-3001
53006905	CUCHILLA RDA.(5)	63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029
54502940	BRAZO RDA.NEUM.(608*205) REV.(D/04)	63000012	R.N.C/EJE 6.00*9"-10PR V50 RAL-6029
54502942	BRAZO RDA.NEUM.(608*205/685*260) REV.D/85cm.(D/04)	63000016	R.M.C/EJE 500*180*3 RAL-3001
54502950	BRAZO RDA.NEUM.(685*260) REV.(D/04)	63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
54602950	BRAZO RDA.NEUM.(686*304) REV.(D/04)	63000072	CASQ.FRICCION PAP 2525 P10
60000066	TORN.EXAG.DIN-931 12* 60 8.8 ZINC.	63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
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.

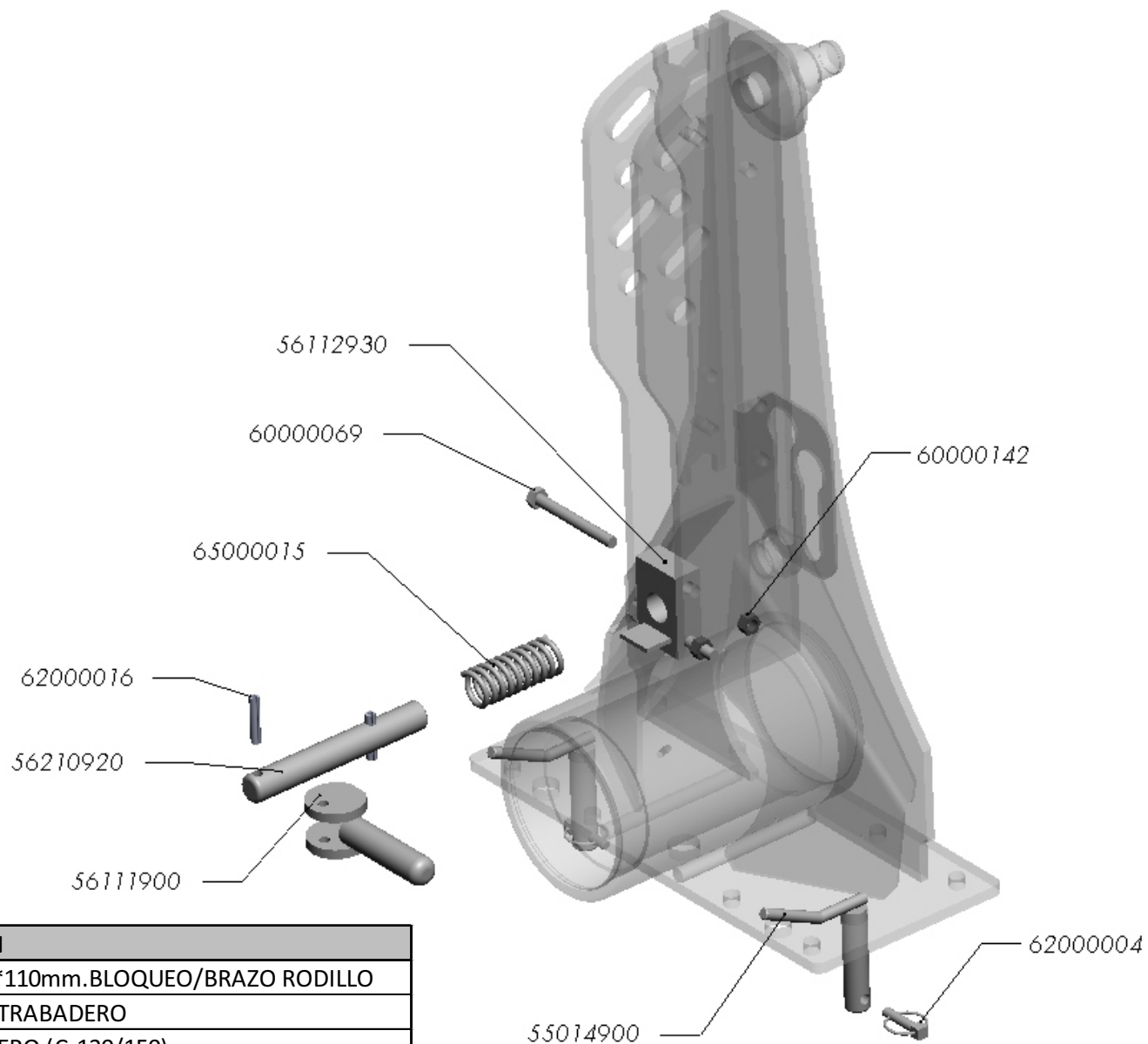
CONT. / TRANS. WHEEL



CONT. / TRANS. WHEEL

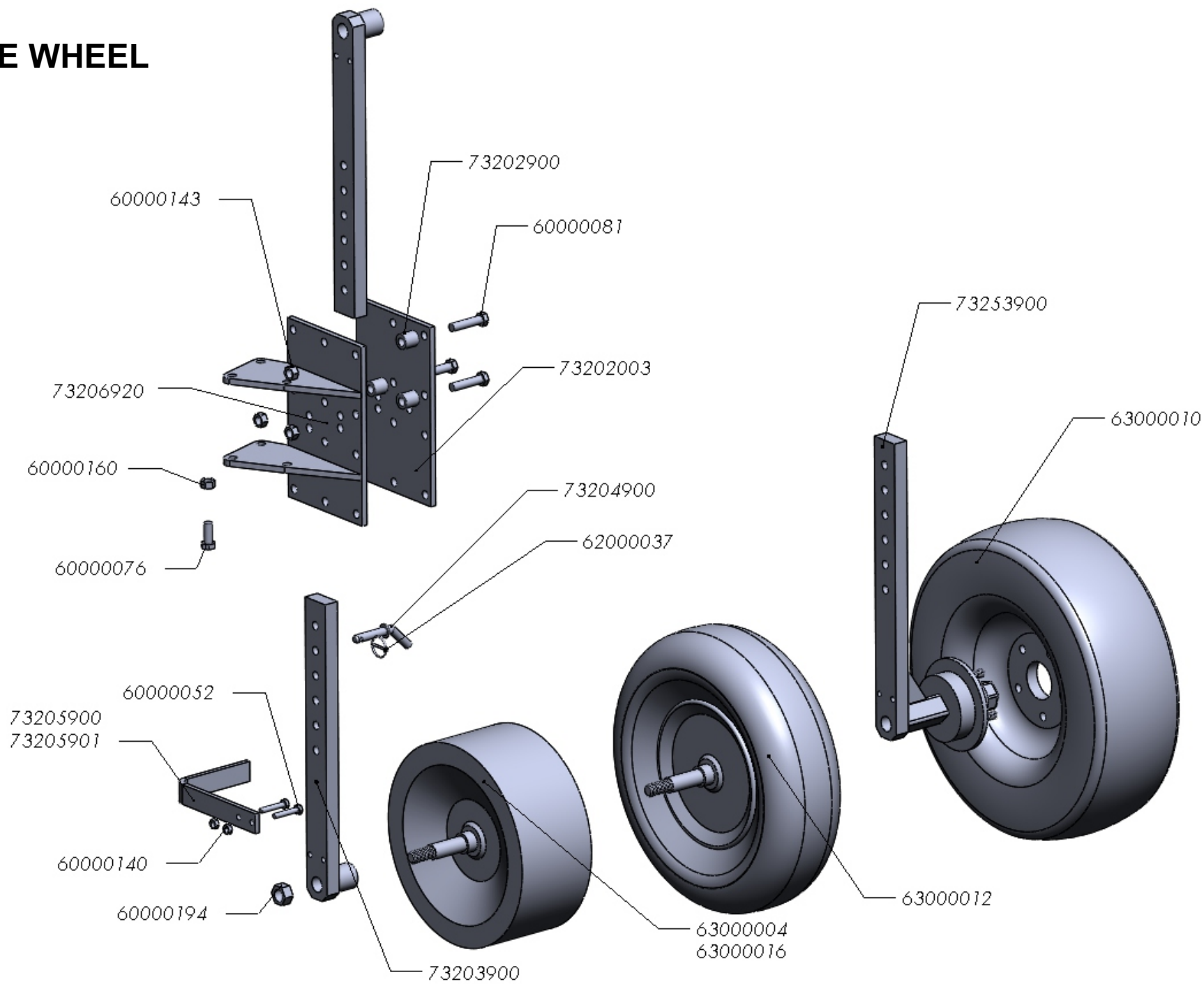
REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
55010940	SOP.RDA.C/T (D/03)	62000004	PASADOR ANILLA 10 ZINC.
55011940	EJE RDA.C/T (D/03)	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
55012941	BRAZO RDA.C/T (608*205/685*260) D/85 (D/03)	62000036	PASADOR ELAST.DIN-1481 12* 80 ZINC.
55012950	BRAZO RDA.C/T (608*205/685*260)(D/03)	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)		

LOCK



REFERENCIA	DESCRIPCIÓN
55014900	BULON D=25*110mm.BLOQUEO/BRAZO RODILLO
56111900	EXCENTRICA TRABADERO
56112930	SOP.TRABADERO (C-120/150)
56210920	BULON D=29,5*214mm.TRABADERO (D/03)
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.

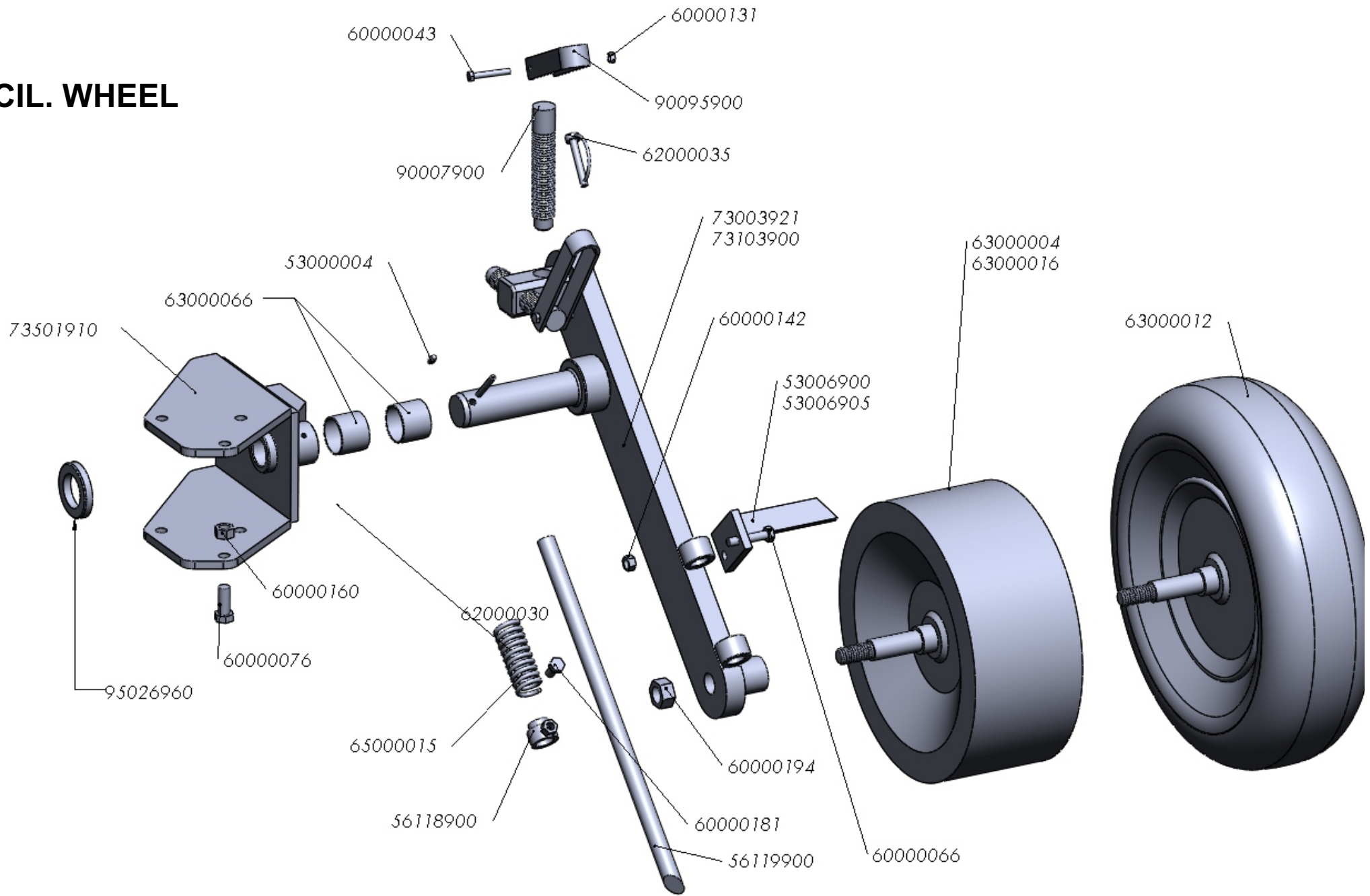
DOUBLE WHEEL



DOUBLE 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
73203900	BRAZO RDA.DOBLE MET./NEUM.
73204900	BULON D=16*150mm.REG.RDA.DOBLE
73205900	CUCHILLA RDA.MET.DOBLE
73205901	CUCHILLA RDA.DOBLE (5)
73206920	SOP.RDA.DOBLE LV (D/04)
73253900	BRAZO RDA.DOBLE NEUM.(608*205)

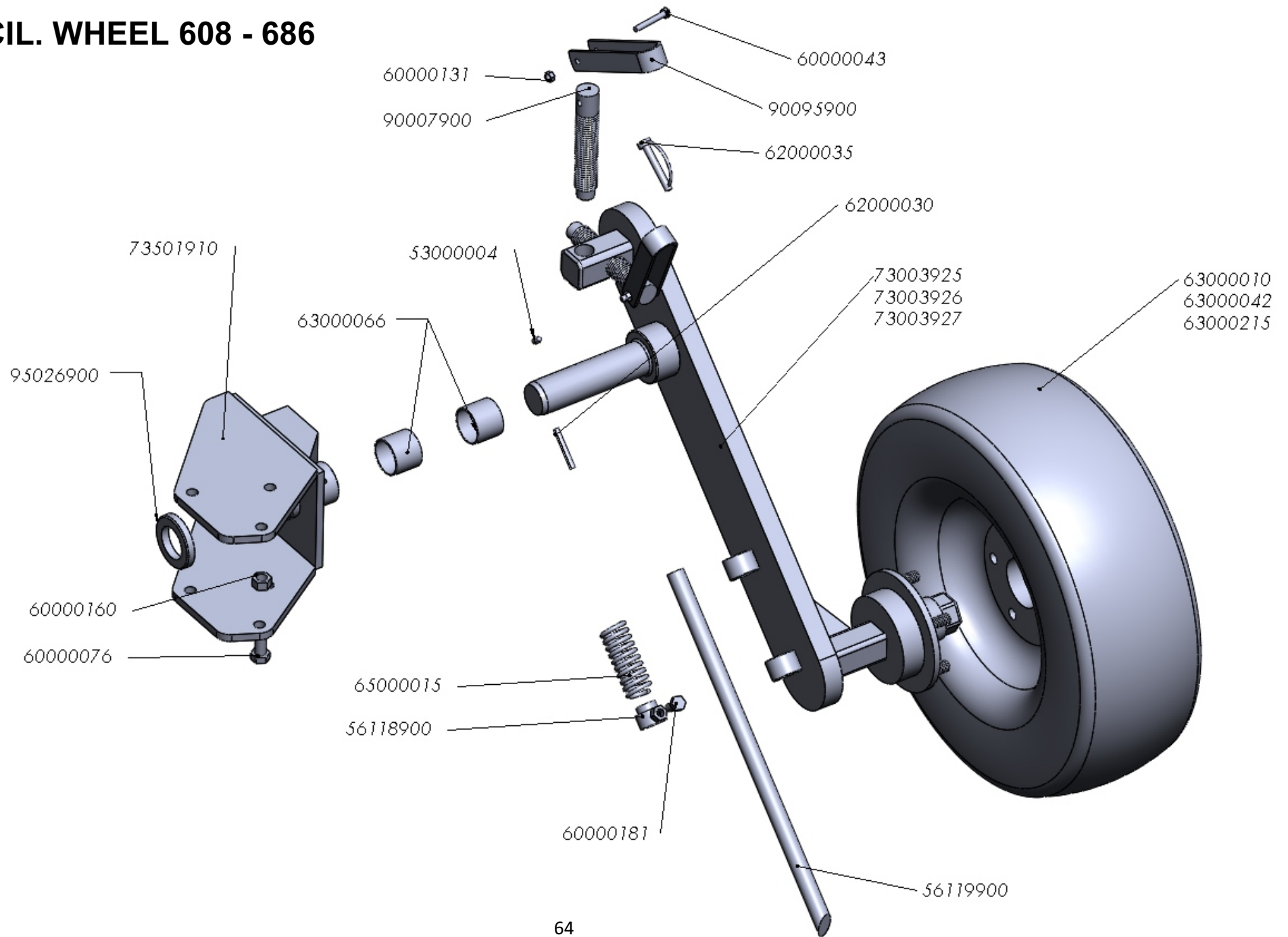
OSCIL. WHEEL



OSCIL. WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000004	ENGRASADOR AC° DIN-71412 8*125	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
53006900	CUCHILLA RDA.	62000035	PASADOR CON ARCO D=10*60mm. ZINC.
53006905	CUCHILLA RDA.(5)	63000004	R.M.C/EJE 400*170*3 RAL-3001
56118900	PRISION.PINCHO RDA.C/T ADEL.	63000012	R.N.C/EJE 6.00*9"-10PR V50 RAL-6029
56119900	PINCHO RDA.C/T ADEL.	63000016	R.M.C/EJE 500*180*3 RAL-3001
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	63000066	CASQ.FRICCION PAP 5040 P10
60000066	TORN.EXAG.DIN-931 12* 60 8.8 ZINC.	65000015	MUELLE COMPR.CILIND.110*40*5 ZINC.
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	73003921	BRAZO RDA.NEUM.OSCIL.(D/14)
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	73103900	BRAZO RDA.MET.OSCIL.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	73501910	SOP.RDA.OSCIL.SN
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	90007900	HUSILLO TOPE 185mm.
60000181	TORN.EXAG.DIN-933 12* 25 8.8 ZINC.PASAR A DIN-912.	90095900	MANILLA TOPE ZINC.
60000194	TUER.AUTO.DIN-985 24/200 8.8	95026900	ARAND.P/BULON GIRO BASTIDOR

OSCIL. WHEEL 608 - 686



OSCIL. WHEEL 608 - 686

REFERENCIA	DESCRIPCIÓN
53000004	ENGRASADOR AC° DIN-71412 8*125
56118900	PRISION.PINCHO RDA.C/T ADEL.
56119900	PINCHO RDA.C/T ADEL.
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.
60000181	TORN.EXAG.DIN-933 12* 25 8.8 ZINC.PASAR A DIN-912.
62000030	ARAND.P/BULON GIRO BASTIDOR
62000035	PASADOR CON ARCO D=10*60mm. 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
63000215	R.N.C/ATAQUE 320/60-12 132A8 421TT
65000015	MUELLE COMPR.CILIND.110*40*5 ZINC.
73003925	BRAZO RDA.NEUM.(608*205) OSCIL.(D/14)
73003926	BRAZO RDA.NEUM.(685*260) OSCIL.(D/14)
73003927	BRAZO RDA.NEUM.(686*304) OSCIL.(D/14)
73501910	SOP.RDA.OSCIL.SN
90007900	HUSILLO TOPE 185mm.
90095900	MANILLA TOPE ZINC.
95026900	ARAND.P/BULON GIRO BASTIDOR



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FÁBRICA Y ADMINISTRACIÓN

OVLAC Fabricación de Maquinaria Agrícola, S.A. Polígono Industrial,
C/ TAF, P-163

34200 – Venta de Baños (Palencia) SPAIN

Telef.: + 34 979 76 10 11

Fax: + 34 979 76 10 22

E-mail: fabricacion@ovlac.com