

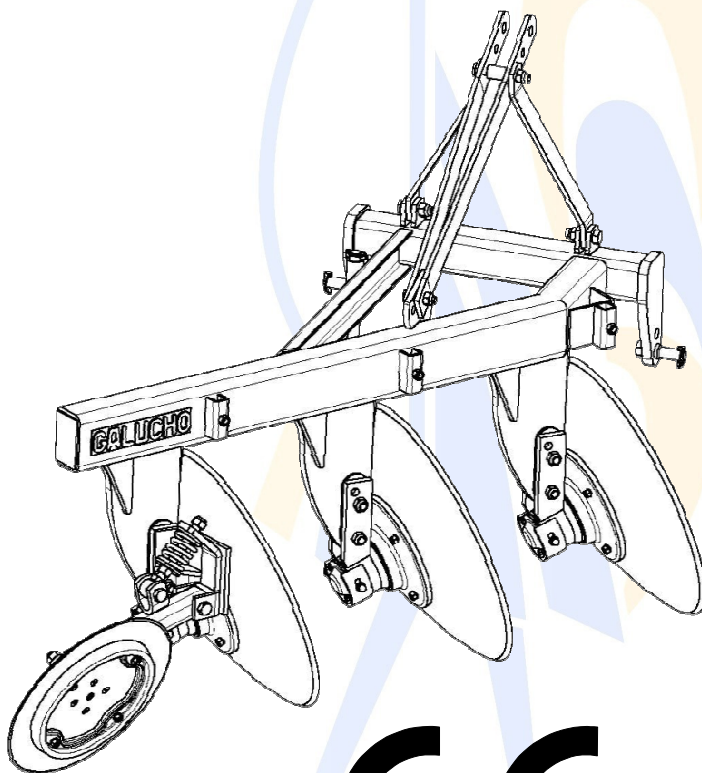


GALUCHO



OPERATION AND MAINTENANCE MANUAL

2 to 5 fixed disc ploughs



LN2D-26F
LN2D-28F
LN3D-26F
LN3D-28F
LN4D-26F
LN4D-28F
LN5D-26F
LN5D-28F



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ANNEX 1

CE Conformity Declaration

ANNEX 2

Components catalog

In case the manual is lost, please contact GALUCHO, providing the following register number.

REGISTER # 03.LND.12.15

ABOUT THE MANUAL

1. Introduction

Congratulations for choosing GALUCHO. You have made an accurate decision. Thanks to a wide expertise, made of many years working over the toughest and more challenging usage conditions, GALUCHO equipment has reached a complete satisfaction level among its thousands of users, in Portugal as well as in more than 70 countries worldwide, in which the company operates.

We are quite confident that with a safe usage and the due maintenance the machine you have just acquired will have an efficient and cost-effective performance. We have carefully designed it to perform in such way it will fully attain your rightful expectations.

The present manual contain very important instructions about the machine's assembling, regulations and maintenance as well as the component catalogues.

GALUCHO – IND. METALOMECÂNICAS, S.A. puts forth its best effort to continuously improve its products, and reserves the right to, at any time, to change the design and/or specifications of its products as well as its components, without any obligation to apply them to previous versions assembled and sold.



IMPORTANT



The GALUCHO ploughs differ essentially in structure, as its working principles, assembling and lubrication are basically the same for all the series. Nevertheless, if any doubt will prevail about its components all the relevant information can be found in the catalogue presented in the end of this booklet.

2. Maintenance

Start by carefully reading the manual, to get familiar with the machine. The booklet is to be kept in a safe and accessible place, in order to be consulted regularly. If any doubt prevails, please contact you're the authorized reseller that provided you with the machine or, as alternative, our company. We are pleased to provide you with all the information and documentation you will need, in order to ensure your best satisfaction and maximum performance efficiency. The pictures and technical data featured in this booklet may be changed without notice.

3. General description

This manual describes all the operations required to use and maintain the **GALUCHO 2 TO 5 FIXED DISC PLOUGHS (LND)** and provides information about the following elements:

1. It describes the security systems, aiming to avoid any kind of danger for the operational worker and machine-exposed people in general.
2. Operational tasks and usage.
3. Maintenance tasks the operator can perform (exceptions are highlighted on the manual).

4. Who should read this booklet

This booklet should be known and read by all the operational workers who direct operational, maintenance and inspective tasks concerning the **GALUCHO 2 TO 5 FIXED DISC PLOUGHS (LND)**.

- Operational worker, management.
- Supervisor / manager. Responsible for operational coordination and monitoring.
- Basic maintenance technician. Preventive maintenance basic operations.

5. Stickers

5.1 Information stickers






CE plate, with all the information identifying the machine and its main features.





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	Mod. <input type="text"/>	Ano Fab. <input type="text"/>
	Nº Série <input type="text"/>	Peso <input type="text"/> Kg
GALUCHO - INDÚSTRIAS METALOMECÂNICAS, S. A. <small>(Fundada por JOSÉ FRANCISCO JUSTINO)</small> AV. CENTRAL, Nº 4 • 2705-737 • S. JOÃO DAS LAMPAS - SINTRA • PORTUGAL TELEF. (351) 219608500 • FAX (351) 219608599 www.galucho.com info@galucho.pt		

Additionally, the model and serial number are carved in a visible place.

5.2 Alert stickers

This machine must have the following hazard alert information stickers:

		
		
Ref. 990150025	Ref. 990150008	Ref. 990216710
Turn off the engine and read the instruction manual before performing any intervention over the machine.	Please read the machine instruction manual.	Lift coupling spot.

	
	
Ref. 990141220	Ref. 990150022
Lubrication spot.	Various dangers. Keep minimum distance of 6 meters.



IMPORTANT



Hazard and mandatory action sign are to be respected, as well as additionally all the required by the Occupational Hygiene, Safety and Health Department of the final user.

6. Basic description, Operation.

THE LND ploughs consists of:

Frame or chassis – Rigid assembly, consisting of a tubular longer on in steel and welded plate, in which will be coupled the other components of the plough.

Set of headstock - It consists of two bars and one steel anchor, all rectangular section in which will be coupled in the upper tine of the tractor's hydraulic

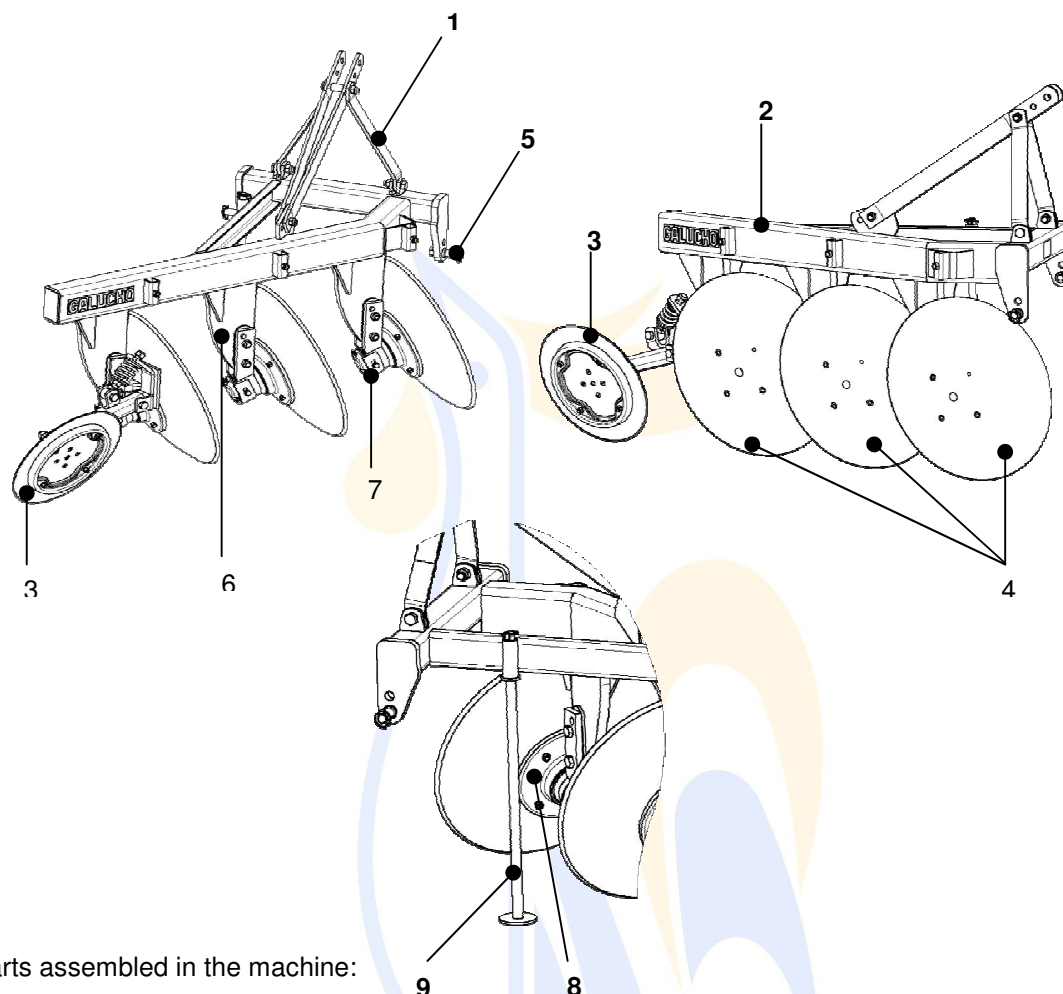
Set of discs – Are constituted each by a landside which is the coupling part of the frame, on which are fixed the hub, the disc holders plate, the disc and the hub protection shield. The hubs and disc holders plate are made in forged steel, with a taper roller, a sealing ring and a disposal system clearances.

Hubs protection shield – This are forged and reversible parts that aim to protect the hubs against wear.

Scrapers - The scrapers are forged and have high resistance, unique for each disc and tunable.

Furrow wheel – Responsible for maintaining the stability of the plough when in work It has various tunings and its axis is supported by taper roller, adjustable, protected by seals.

Support-stand – It is a rod with support set the frame, designed to prevent the plough to tip over and come back when uncoupled, but instead remains in the correct position to be coupled to the tractor.



Parts assembled in the machine:

- 1 - Frame or chassis
- 2 - Headstock
- 3 - Furrow wheel
- 4 - Discs
- 5 - Hitch pin
- 6 - Landsides
- 7 - Hubs protection shield
- 8 - Disc's plate
- 9 - Anchors

6.1 Accessories and components

The LND ploughs are equipped with all the accessories required to a fine working performance.

6.2 Technical features

MODELS	LN2D-26F	LN2D-28F	LN3D-26F	LN3D-28F	LN4D-26F	LN4D-28F	LN5D-26F	LN5D-28F
Nº OF DISCS	2	2	3	3	4	4	5	5
DISCS DIAMETER (") (mm)	26" - 660	28" - 710	26" - 660	28" - 710	26" - 660	28" - 710	26" - 660	28" - 710
WORKING WIDTH (m)	0,50	0,50	0,85	0,85	1,20	1,20	1,52	1,52
WEIGHT (kg)	360	370	460	475	575	595	690	715
POWER (CV)	35-55	35-55	55-70	55-70	70-90	70-90	90-110	90-110

The company reserves the right to change any technical feature without notice

SECURITY MEASURES

1. Danger and residual hazards

Working with tractors and agricultural machinery requires the operator a deep knowledge of the tasks to perform and careful verification of safety procedures.

It is essential to be fully aware of potential hazards caused by carelessness or negligence, to the operator and third parties, during work activity and after it.

GALUCHO knows its clients are fundamental to their social environment, to their families and their agricultural complex. Aiming to prevent any accident or hazard, we warmly commend that following safety rules are respected:

1 – When coupling any tool to the tractor, please use only the spot the manufactured has determined, checking if all the components are correctly assembled and coupled.

2 – In any occasion, motivated by repairing, inspection, assembling or any other reason, never place your body under the machine without holding first conveniently

3 – When turning on the tractor's hydraulic system, please make sure that any component – the machine, the trailer, the lifter or any other – may hurt any person around.

4 – Never authorize any people to use the machine as a transport, during work as well as on the road. The same applies to being near working milling cutters and similar, top avoid any potential rock or wood stick tossing during the activity.

5 – Never hop-out a moving vehicle. If you need to do it, please stop the vehicle and the engine first.

6 – Always use protection plates on the transmission belts linked to the engine's power take-off.

7 – Always use frontal counterweight over the wheels, when you notice the tractor's steering is too light and the vehicle tends to rear. In case that situation happens, take special care while working and on the road.

8 – Please remind the hazard tends to increase proportionally to the upward or downward gradient of the terrain in which you are working or moving. It is essential to be extremely careful, taking into account the slope gradient, especially lateral ones, and to avoid working on those conditions.

PERSONAL SAFETY:

- The security minimum distance from the machine operating is of **6m**.
- Any intervention on the machine without this being on the ground and uncoupled from the tractor is absolutely forbidden.

If you follow all the previous advice you will prevent most of the hazards and accidents. Those are our true and best safety wishes.

2. Machine/maintenance operator

2.1 Machine-operator tasks

The machine operators control the correct functioning of the machine, being responsible for emergency stop activation/deactivation.

1. Maintenance operator tasks

The maintenance operator is responsible for performing all the maintenance and repair duties in a nearby GALUCHO authorized agent.

2. Machine/maintenance operator required skills

The machine/maintenance operators must be in a good physical condition, in possession of all mental skills and aware of every hazard possibility they might face.

The machine/maintenance operators must be aware that:

- Any physical or mental disability may cause serious hazard to himself and people, animals and objects nearby.
- Unqualified people must not interfere with the machine operation.
- The minimum age to perform these tasks is 18 years.

3. Machine/maintenance operator formation

Every operator must attend a course enabling them to use and maintain the equipment, featuring “occupational risk prevention” contents:

- Occupational safety.
- Correct preventive maintenance task performance, as programmed by the manufacturer and provided in within this manual.

3. Personal Protective Equipment “PPE(s)”

The Personal Protective Equipment required by the manufacturer for the machine operation, according to the potential hazards, plus the ones usually listed by the Occupation Hygiene, safety and Health Department of the final user company are:

- Earing protectors
- Safety shoes
- Safety glasses / mask
- Leather gloves
- Helmet

4. Machine lifting

Before lifting the equipment, check on the model's weight first. The sign included on the machine by the manufacturer is:



USAGE PROCEDURE

1. Inspecting before using the machine

1.1 The following condition must be checked before starting to use the machine:

1.2 Daily general check-list, general maintenance, cracks or fissures, oil leaks, safety elements, protections, safety signs.

1.3 Daily operational check-list, general maintenance.



1.4 Assembly

All ploughs of this series are sent assembled to the client. However, if for any reason something is shipped disassembled, to mount it you will need:

Raise and secure with the screw the two bars of the third point and their anchor.

You must mount each set of the frame disc, which can be accomplished using the respective screw in the central hole of the landside.

Then you should tighten the screws that connects the furrow wheel set to the existing anchor which is placed on the last disc.

You should put the anchor on the respective support and fix it with a pin.

2. Starting to use the machine

2.1 Tractor coupling

Once the plough assembling is done, check if everything is in order, and like any other mounted machine, you must proceed to its connection to the tractor's hydraulic system, keeping in mind the following possible adjustments of the headstock:

- Different coupling hypotheses of the third point bar of the tractor to enable a more efficient action of the automatic depth control.

- Two mounting position in height of the pins, in order to have a better adaptation to the tractor, depending on the brand or model.

Once the plough is coupled to the tractor, you must take off the anchors and place them on the opposite position.

You should test the lifting to check if everything is alright.

2.2 Regulations

To reach the excellent work quality expected in this ploughs design you must adjust them conveniently, as indicated:

2.2.1- Horizontality

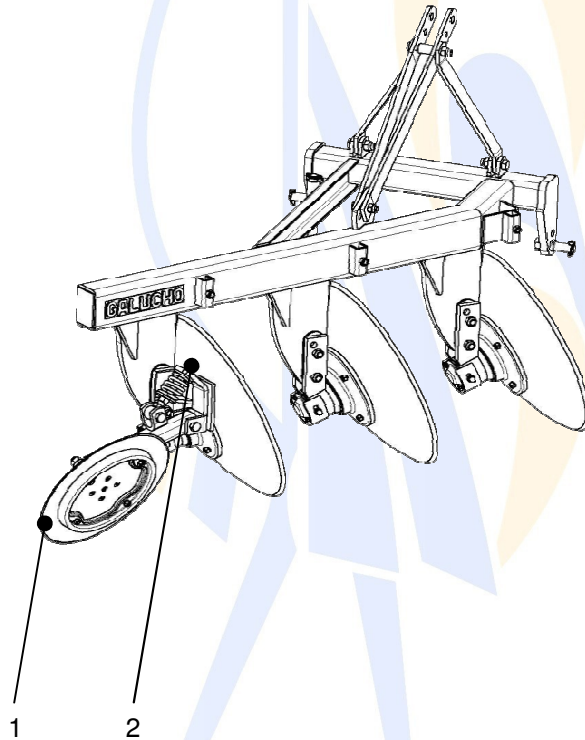
Acting on the tractors hanger, so that the hydraulic's inferior arms have the same length, you must adjust the transversal horizontality.

Lengthening or shortening the 3rd point bar of the tractor, you adjust the longitudinal horizontality.

2.2.2 - Furrow wheel

Plays a key role in the stability of the plough in work, being responsible for guiding it so that it does not deviate from the trench, which is motivated by the effort made by the means of the work of the discs while considering the direction of travel of the tractor.

Triggering the tuning nut, you can push up or down the wheel depending on what you pretend.



- 1 – Furrow wheel
- 2 – Tuning nut of the furrow wheel

3. After using the machine

One must proceed inversely, as explained in the section "STARTING TO USE THE MACHINE".

MAINTENANCE

1. Preliminary conditions

The daily maintenance routine may be performed by the operator. Annual maintenance and repairing are to be performed by qualified staff and/or GALUCHO authorized agents. The user is responsible for the machine maintenance. In order to ensure a long lasting and a perfect performance, all the maintenance instructions are to be strictly followed.

It is important to pay attention to any unusual sound while working that may cause any damage or malfunctioning of any component. In case it happens, one must stop the machine immediately and to check on the anomaly origin, in order to repair or replace the component and avoid general malfunction of the equipment.

While working with a malfunctioning machine, the user may harm himself and seriously damage the equipment.

Obviously, all the maintenance operations must be performed with the machine uncoupled from the tractor and on ground, over a solid and plane surface.

After each usage, it is recommended to clean and lubricate the machine.

The maintenance instructions featured in this manual refer exclusively to GALUCHO machinery, and the transmission. As for the transmission shafts, manufacturer instructions are to be followed.

MACHINE DELIVERY:

Read this manual carefully;

Make sure if the machine is completely to the equipment that just acquired;

FIRST USAGE:

After two working hours, check on the screw, shafts, discs tightening.

1.1 - Before each working day

Check carefully the entire plough, particularly the tightness of all the screws and nuts;

If the active parts - discs, hubs protections shields, scrapers and discs furrow wheel, are in good working condition.

If the discs' hubs have no gaps.

1.2 - While working

When dealing with a new plough, you must tighten up again the screws and nuts at the end of the first working day;

Each 8 working hours:

- Each 8 working hours
- Lubricate with a 2 grease mass or equivalent:
- 1 Glass for each disc hub
- 2 Glasses on the furrow wheel (if any)
- Lubricate with a few drops of oil all other mobile points of the plough.

Every 50 working hours:

- Check and, if necessary, tightened again every nuts and hitch pin.

After prolonged immobilization:

- Rinse the disc harrows with pressurized water and protect it against sun and rain, with the wheels in the air.
- Conduct a general check-up, tightening again and replacing if necessary.
- Do some paint repairs, a general lubrication and protect the discs with an anti-rust product.

Mass replacement:

- Carefully clean the machine.
- Check on every component tightening.
- Spread mass on each due component.
- Cover the machine with a suitable coverage and store it in a dry area.

Lubrication:

- The lubrication spots are all signed with a sticker.

Waste hazard:

- The machine is aimed at providing the best security level. Although, some hazard situation may still take place, those that cannot be solved without compromising the performance of the equipment.
- The machine allows a perfect visibility of the work area. The operator may easily understand if there are any people, animal or objects nearer than the security distance.
- The machine must not be used at night or in any low visibility context.

**IMPORTANT**

Never weld any part of the machine. Always use genuine or authorized seller GALUCHO parts.

**IMPORTANT**

"Official check-up" on the machine is to be made annually, by GALUCHO or any authorized repairer.

2. Eventual anomalies

DEFECT	SOLUTION
INSUFFICIENT DEPTH	<ul style="list-style-type: none"> • INCREASE THE ATTACK ANGLE • LOWER THE 3 POINTS OF THE HYDRAULIC • INCREASE THE SPEED • HEIGHTEN THE FURROW WHEEL
EXAGGERATED DEPTH	<ul style="list-style-type: none"> • REDUCE THE ATTACK ANGLE • HEIGHTEN THE 3 POINTS OF THE HYDRAULIC • LOWER THE FURROW WHEEL
GREATER DEPTH OF FRONT TRENCH	<ul style="list-style-type: none"> • EXTEND THE HYDRAULIC SUPERIOR ARM • ADJUST THE HANGER • HEIGHTEN THE FURROW WHEEL
GREATER DEPTH OF REAR TRENCH	<ul style="list-style-type: none"> • SHORTENING THE HYDRAULIC SUPERIOR ARM • ADJUST THE HANGER • LOWER THE FURROW WHEEL
EXAGGERATED WIDTH OF FRONT TRENCH	<ul style="list-style-type: none"> • CHECK THE WORKING WIDTH BETWEEN THE TRACTOR'S WHEEL
INSUFFICIENT WIDTH OF FRONT TRENCH	<ul style="list-style-type: none"> • CHECK THE WORKING WIDTH BETWEEN THE TRACTOR'S WHEEL
TRACTOR'S SKATING	<ul style="list-style-type: none"> • USE THE TRACTOR'S CONTROL • LOCK THE DIFFERENTIAL • BALLAST THE DRIVING WHEELS • LOWER THE FURROW WHEEL
THE TRACTOR TENDS TO REAR	<ul style="list-style-type: none"> • PUT THE WEIGHTS IN FRONT OF THE TRACTOR
CLOGGING	<ul style="list-style-type: none"> • ADJUST THE SCRAPERS
VEGETATION POORLY BURIED	<ul style="list-style-type: none"> • ADJUST THE HANGER • ADJUST THE SCRAPERS
REACTION IN THE DIRECTION	<ul style="list-style-type: none"> • REDUCE THE SPEED
SOIL INSUFFICIENT RAVELING	<ul style="list-style-type: none"> • HEIGHTEN THE SCRAPERS • INCREASE THE SPEED

3. Warranty conditions

Our company warrants all the equipment for a 2-year period, counting from the invoice date.

1.1 - This warranty includes only the providing, for replacement, of parts or components which are proven to have been provided in deficient condition and / or assembling, and excluding workforce and dislocation costs.

1.2 - The warranty excludes any component considered as wearing parts.

1.3 - The warranty excludes any component which might not be manufactured by this company, such as wheels, warranted exclusively by their manufacturer. In this case our company might only provide the client with the linkage to the manufacturer. The decision will be duly communicated, as well as all the consequences.

2 - **Immediate loss of the warranty will happen if:**

2.1 - The equipment is used in abnormal conditions or coupled with tractors with a different horsepower from the ones pinpointed on our technical literature.

2.2 - The replacement of any part or accessory by other not manufactured by us or not recognized by this company.

2.3 - Any repair or modification done during the warranty period without our knowledge and due authorization.

3. Every complaint must be communicated by the authorized resellers, suing the complaint form. It is mandatory that the parts or accessories are sent to our company, to be examined by our Technical Service and Quality Control Department. If the reasons for the complaint are considered sustained and accepted, new parts will be provided, or if already sent, their value will be credited to client.

4 - The horsepower considered suitable on our catalogues and technical literature as the required for our equipment may change according to each type and conditions of soil, the capacity and the experience of the operator, the tractor condition and its tire grip.

5 - The company will only accept the return of the equipment before a maximum period of 15 days after the invoice issuing, as long as the machines haven't been used at work, are not discontinued models or, if still integrated in our manufacture lines, they haven't suffered any modification.

6 - **Complying with the Machine/CE directive, this company:**

6.1 - Manufactures the machines according to the required safety norms, namely about mobile parts protection.

6.2 - Issues a conformity certificate, referring the norms and rules met.

6.3 - Issues the operator manual and the component catalogue of each machine.

NOTE: Each GALUCHO dealer is compelled to deliver the final user:

- The safety devices, fixed or mobile, belonging to each machine.
- The conformity certificate and the operator manual, with the component catalogue of each machine.

7 - We highly recommend the Reading of our booklet: "General Selling and Payment Conditions".

8 - For any other information, please contact our commercial services.

4. Daily log book

The maintenance of the control registry is done by the owner of the machine, according to the European Directive 2006/42/CE.

The registry control of the machine maintenance must log in information during the machine's whole life.

The record is to be filled with the following elements:

Change of ownership;

- Replacement of engine, mechanism, structural elements, electric components, hydraulic components, safety devices and important components.

- Relatively important malfunctioning.

- Periodic check-up.



IMPORTANT



If these registry sheets prove to be insufficient, more pages should be added by the user, to cover the machine's whole life and registry.

Model:

Serial number:

Date:.....

Work agenda:

Periodical maintenance / Annual maintenance / Malfunction:

.....

Hours:.....

Description:.....

.....
.....
.....
.....
.....
.....

Replaced Materials / Parts:

Reference	Quantity	Description

Observations:.....

.....
.....
.....
.....
.....
.....

Next maintenance scheduled to:

Company signature and hallmark

Client signature

Model:

Serial number:

Date:.....

Work agenda:

Periodical maintenance / Annual maintenance / Malfunction:

.....

Hours:.....

Description:.....

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.....

Replaced Materials / Parts:

Reference	Quantity	Description

Observations:.....

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.....

Next maintenance scheduled to:

Company signature and hallmark

Client signature

Model:

Serial number:

Date:.....

Work agenda:

Periodical maintenance / Annual maintenance / Malfunction:

.....

Hours:.....

Description:.....

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Replaced Materials / Parts:

Reference	Quantity	Description

Observations:.....

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.....

Next maintenance scheduled to:

Company signature and hallmark

Client signature

**GALUCHO**

INDÚSTRIAS METALOMECÂNICAS, S.A.

(Fundada por José Francisco Justino)



IP.PRA. 32

Rev.	01
Data	8 Julho 2013

MACHINE CE CONFORMITY STATEMENTManufacturer: **GALUCHO – Indústrias Metalomecânicas, S.A.**Headquarters Location: **Av. Central, N.º.4****2705-737 S. João das Lampas – PORTUGAL****NIF – 500156646**Technical responsible representative: Mr. _____,
with the CC: _____

By the present statement I state that _____, defined as:

- Brand and Model:
- Serial Number:
- Manufacture Year:
- Construction Technical Number:

Is a machine in conformity to the essential safety and health essential requirements, described in the **European Directive 2006/42/CE**, transcribed to the **Decree nr.103/2008**.**Article 12.** Machine conformity evaluation procedures**PO Box 2.** Each time the machine is not mentioned in Annex IV.**Annex VIII.** Conformity evaluation performed through manufacture internal control.**Article 12.** Machine conformity evaluation procedures**PO Box 2.** Each time the machine is not mentioned in Annex IV.**Annex VIII.** Conformity evaluation performed through manufacture internal control.Conformity to the harmonized directives that apply to:**EN ISO 12100:2012 – Machine safety, design and risk reduction evolving general principles.**

S. João das Lampas, ____ of _____, _____.

(Technical Responsible Signature)

COMPONENTS CATALOGUE

SPARE PARTS ORDERING:

Dear buyer, we warmly recommend that the wearing parts and components replacement takes place in a timely Schedule, in order to prevent inconvenient machine dislocation (with unnecessary loss of time and profit), will increase its value for money of our production and will extend the machines' lasting life.

Always prefer to acquire genuine GALUCHO components as they:

- Are fully interchangeable.
- Ensure a correct adapting and fine functioning.
- Despite having, at times, a higher price of acquisition, tend to prove, in time, to be quite more economical than any other.

To simplify and to speed up the spare parts and components providing, we recommend, in the user's best interest, to proceed as follows:

1. Refer the model, serial number and manufacture date included in each identification plate of every machine.

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	Mod. <input type="text"/>	Ano Fab. <input type="text"/>
	Nº Série <input type="text"/>	Peso <input type="text"/> Kg
GALUCHO - INDÚSTRIAS METALOMECÂNICAS, S. A. (Fundada por JOSÉ FRANCISCO JUSTINO) AV. CENTRAL, Nº 4 • 2705-737 • S. JOÃO DAS LAMPAS - SINTRA • PORTUGAL TELEF. (351) 219608500 • FAX (351) 219608599 www.galucho.com info@galucho.pt		

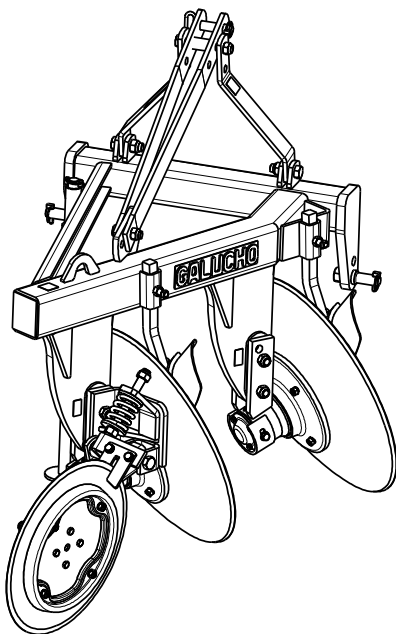
2. Discriminate the quantities, codes, and parts names, according to the catalogue.
3. To avoid any mistake, it is fundamental that every order is confirmed in written form, even if made by telephone.
4. To ease the order answering, all the orders must be done separately from any other mailing, and include instructions about the destination and means of transportation to use. If the client does not have a credit account on our company, he must add to the order the value corresponding to the ordered material price.
5. If the order won't have any reference concerning the means of transportation, the company will choose the one it finds more suitable.
6. The parts may be received on our stores at S. João das Lampas or shipped by us at Sintra's or Lisbon's railway stations.
7. Returning of equipment or parts of discontinued or currently modified models will not be accepted.



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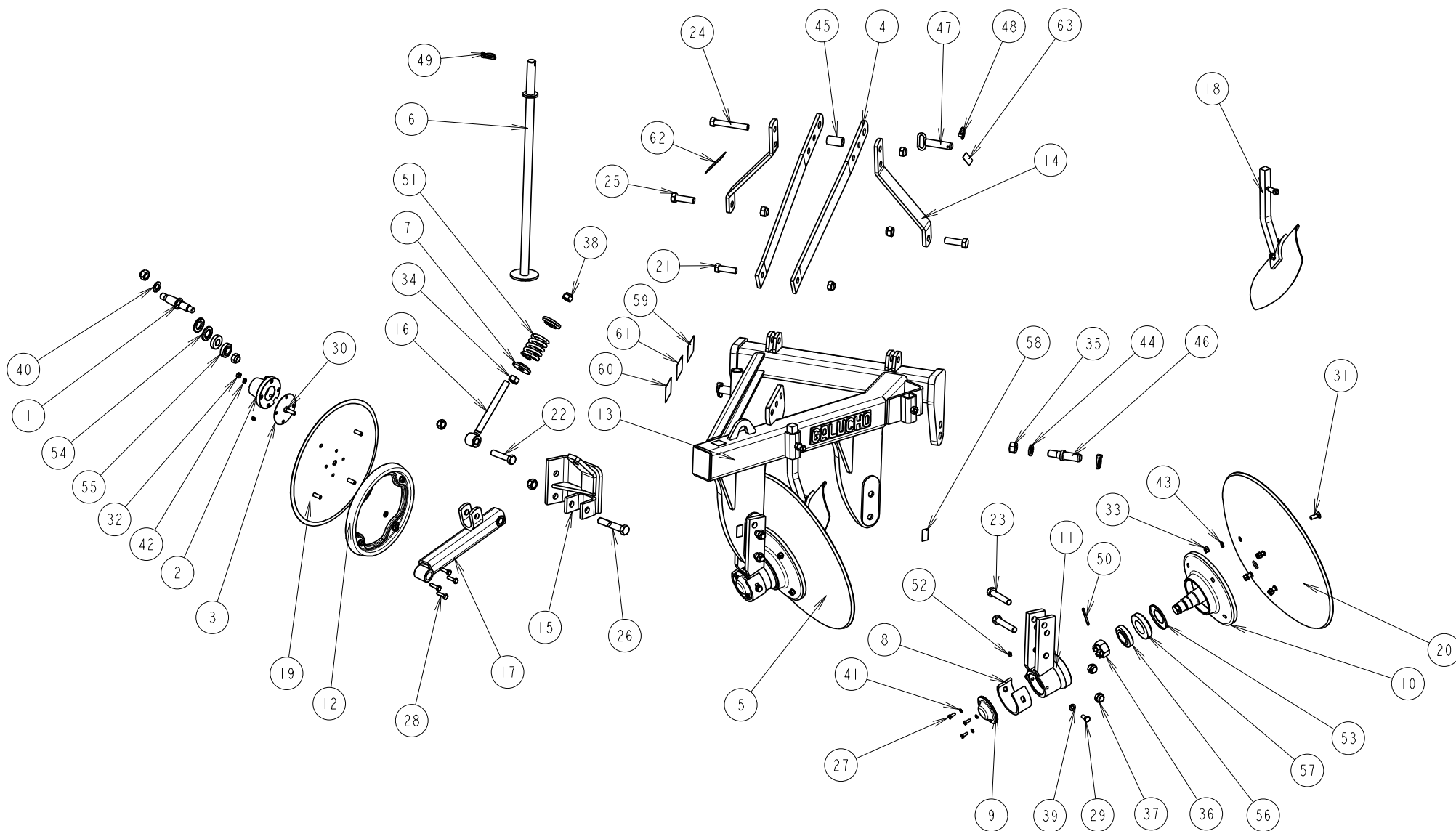


CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN2D-26F

CHARRUA LIGEIRA DE 2 DISCOS FIXOS
2 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 2 DISQUES SIMPLES




 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.		Alter.	CASTRO	Designa.	LN2D-26F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data		Data	12/2015			Cod.	21570CP01


Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	213130030	2	ESCORA 820 (Ø26)	ACCOROCHEZ	BRACE		
5	214250640	2	CUBO DO DISCO COMPL 26"	MOYEN POUR DISQUE	HUB DISC		
6	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	2	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	2	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	2	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	2	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700010	1	QUADRO LN2D	CHASSIS	FRAME		
14	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
15	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
16	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
17	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
18	215701000	2	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022663	2	DISCO LISO 660x6x32-26" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	2	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	6	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	4	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	8	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	12	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	2	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	8	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN2D-26F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Data	Cod.

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	6	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	12	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	2	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	3	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	2	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	2	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	2	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	2	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


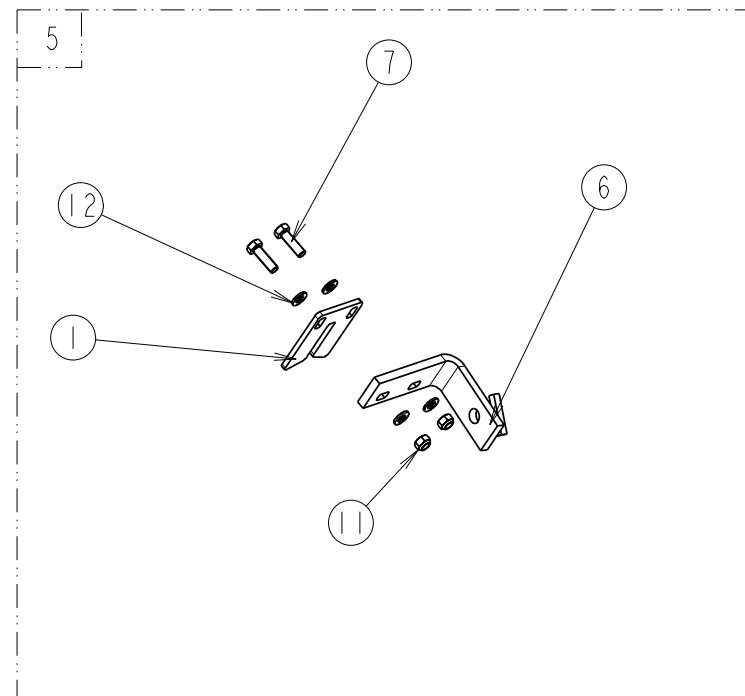
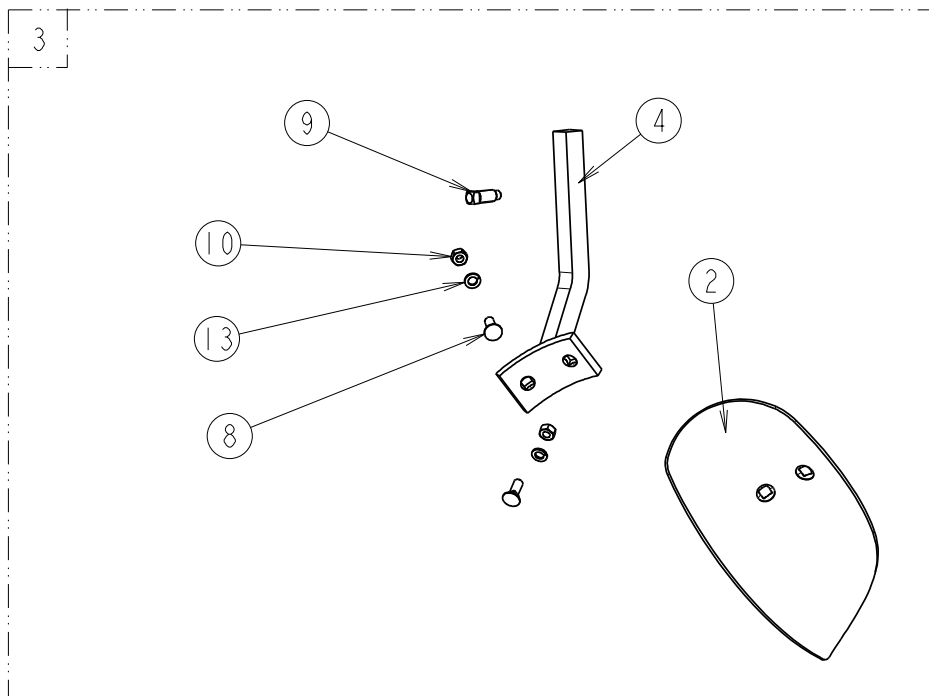
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN2D-26F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21570CP03

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	2	RASPADEIRA	RASETTE	SKIMMER
3	215701000	2	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	2	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	4	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	2	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	4	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	4	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12

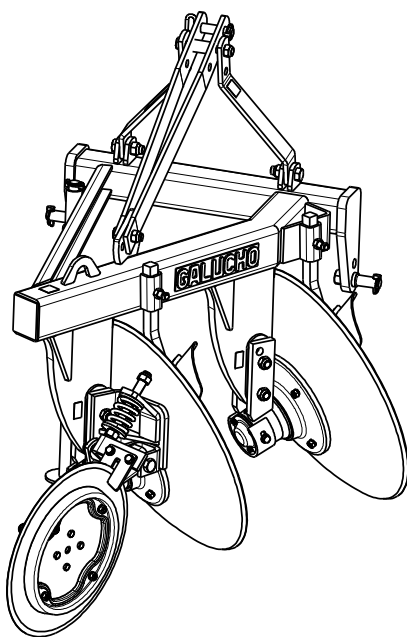




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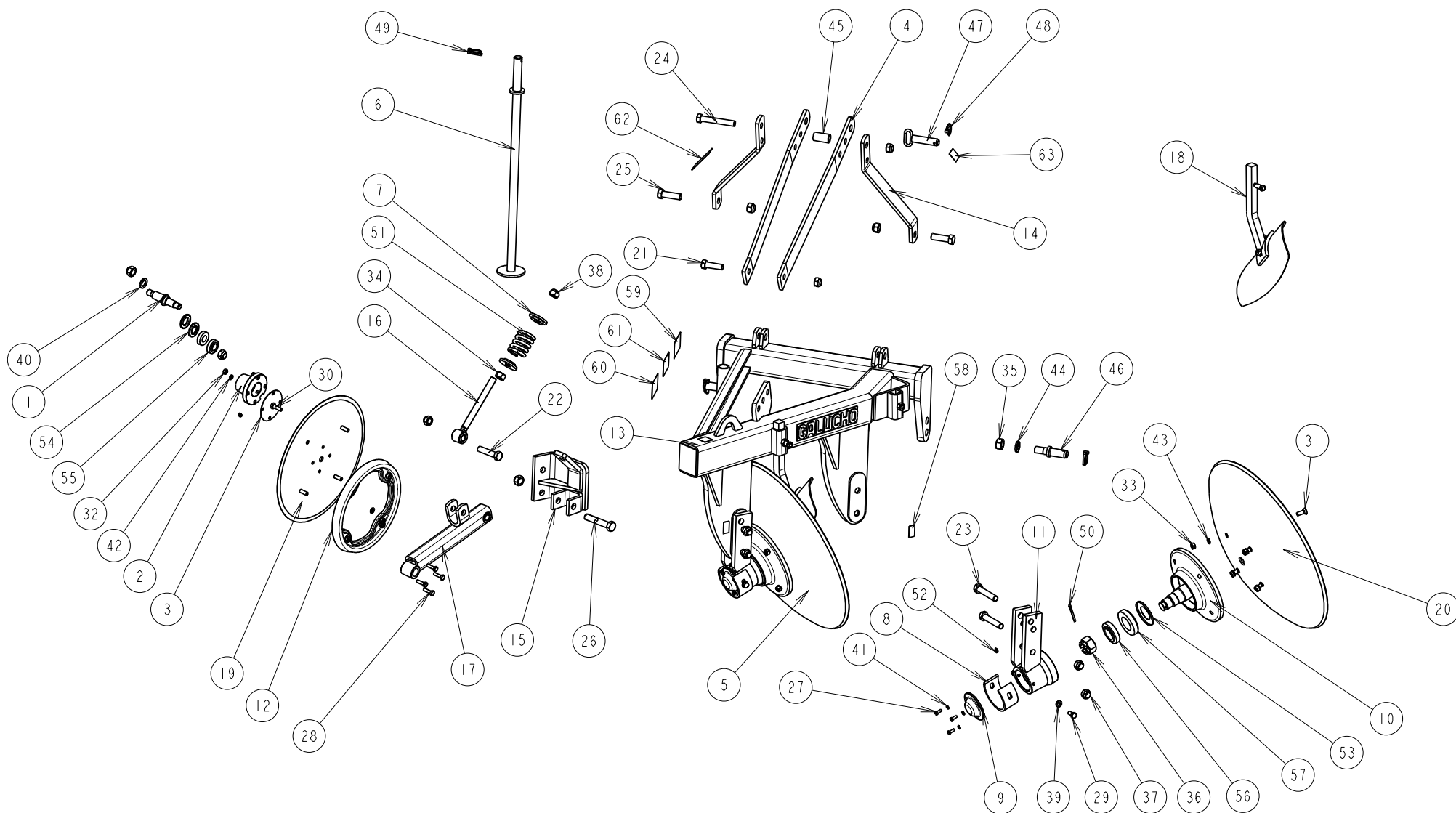


CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN2D-28F

CHARRUA LIGEIRA DE 2 DISCOS FIXOS
2 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 2 DISQUES SIMPLES



GALUCHO
INDÚSTRIAS METALOMECÂNICAS, S.A.
S. JOÃO DAS LAMPAS - PORTUGAL

Exec.
Data

CASTRO
24-Jun-13

Verif.
Data

Alter.
Data

CASTRO
12/2015

Designa.
LN2D-28F CHARRUA DE DISCOS

Série
Cod.

LN-D
21571CP01

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE
4	213130030	2	ESCORA 820 (Ø26)	ACCOROCHEZ	BRACE
5	214250660	2	CUBO DO DISCO COMPL 28"	MOYEN POUR DISQUE	HUB DISC
6	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER
8	215130800	2	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION
9	215130810	2	TAMPA DO CUBO	COUVERCLE	COVER
10	215130820	2	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT
11	215130850	2	CUBO DO DISCO C/ORELHAS	PALIER	HUB
12	215130900	1	ARO DA RODA	JANTE	RIM
13	215700010	1	QUADRO LN2D	CHASSIS	FRAME
14	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE
15	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL
16	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT
17	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE
18	215701000	2	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING
20	811022863	2	DISCO LISO 710x6x32-28" C/FURO	DISQUE LISSE	PLAIN DISC
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW
23	910102072	2	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW
27	910110820	6	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW
29	910111225	4	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW
31	910131235	8	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10
33	911118120	12	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2
36	911136381	2	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF
37	911150200	8	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN
39	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22


 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN2D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21571CP02

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	6	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	12	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	2	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	3	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	2	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	2	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	2	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	2	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


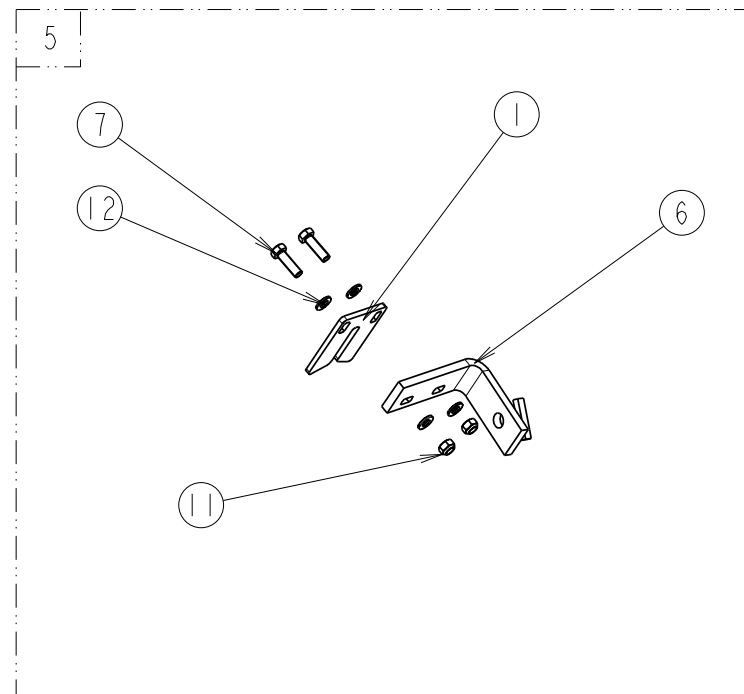
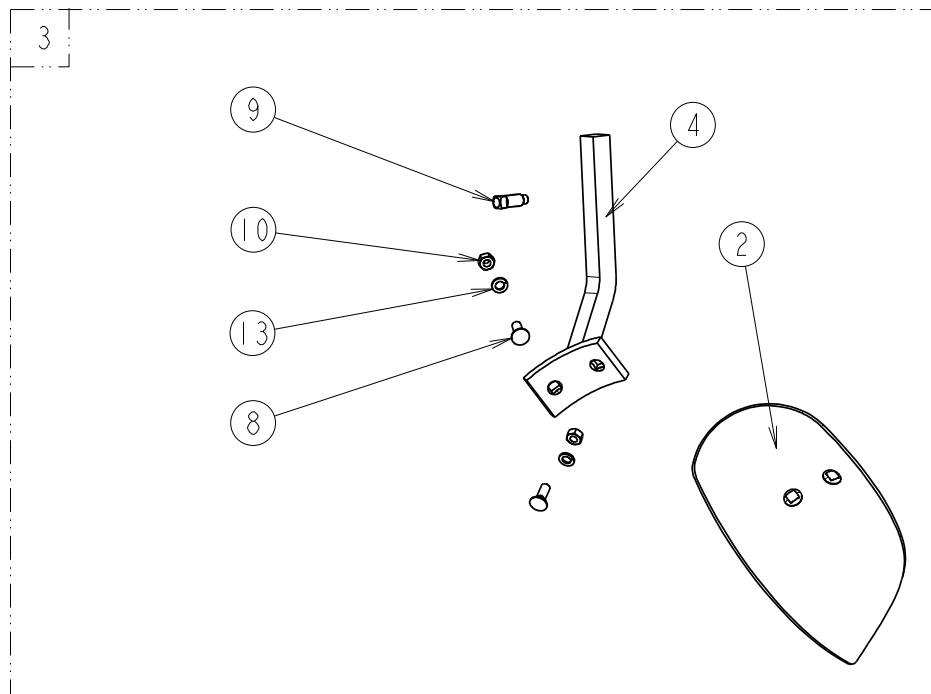
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN2D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21571CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	2	RASPADEIRA	RASETTE	SKIMMER
3	215701000	2	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	2	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	4	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	2	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	4	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	4	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12



GALUCHO
INDÚSTRIAS METALOMECÂNICAS, S.A.
S. JOÃO DAS LAMPAS - PORTUGAL

Exec.
Data

CASTRO
24-Jun-13

Verif.
Data

Alter.
Data

CASTRO
12/2015

Designa.
LN2D-28F CHARRUA DE DISCOS

Série
Cod.

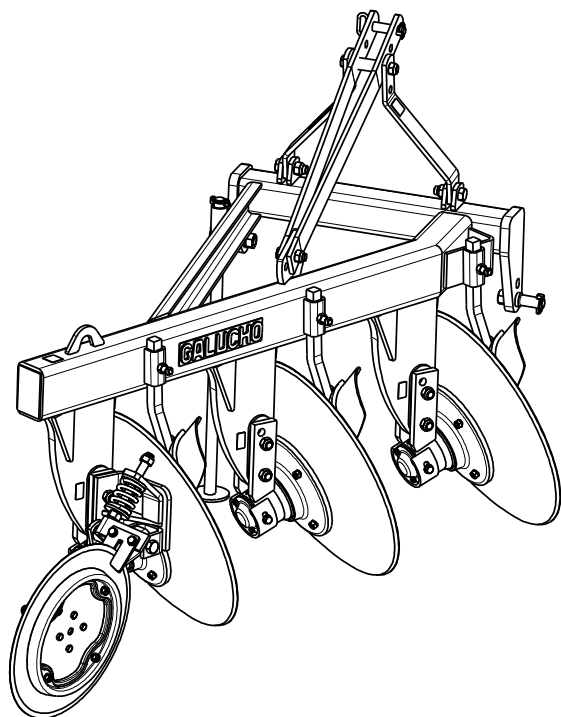
LN-D
21571CP04



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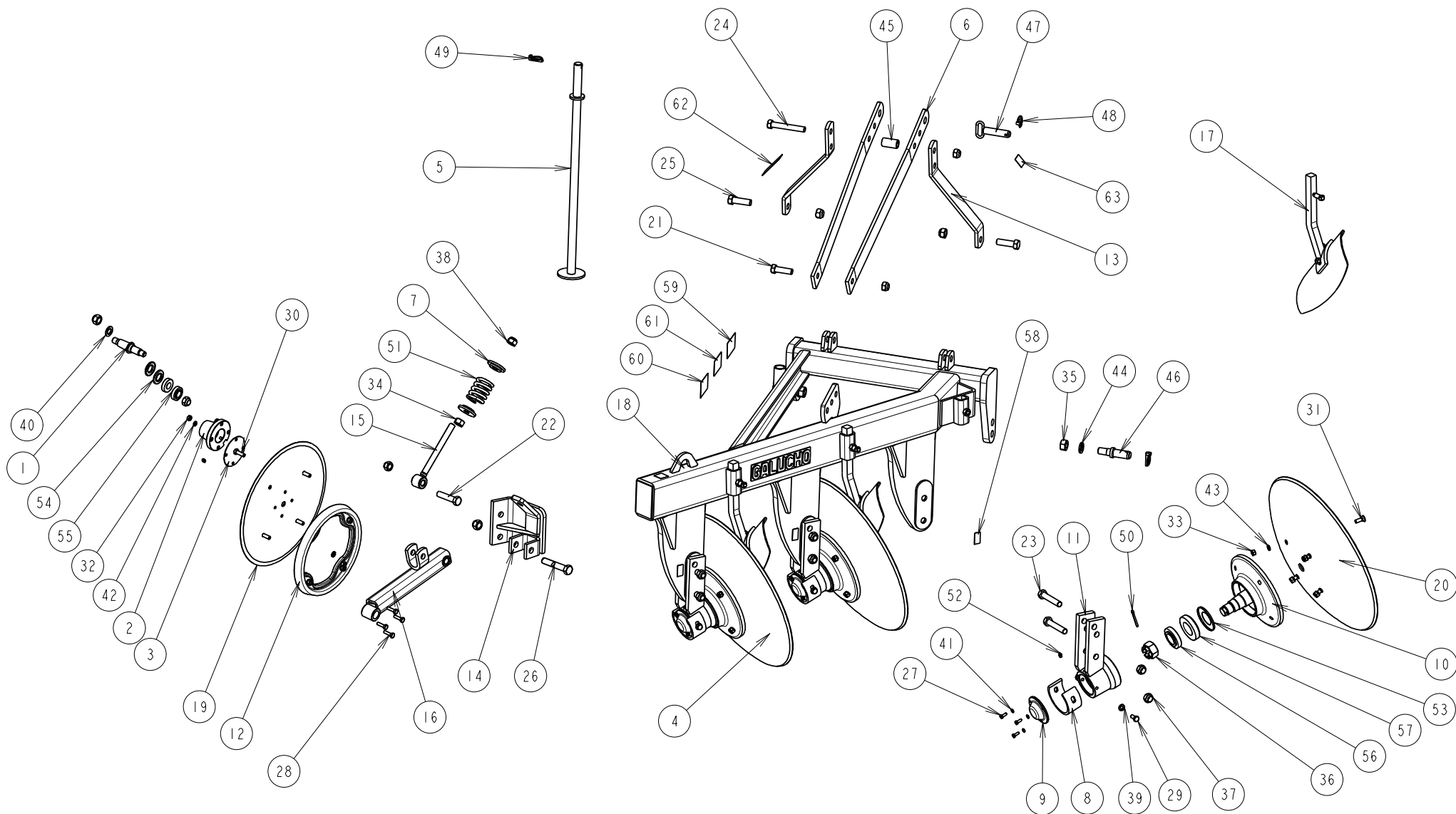


CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN3D-26F

CHARRUA LIGEIRA DE 3 DISCOS FIXOS
3 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 3 DISQUES SIMPLES



GALUCHO
INDÚSTRIAS METALOMECÂNICAS, S.A.
S. JOÃO DAS LAMPAS - PORTUGAL

Exec. Data
CASTRO
24-Jun-13

Verif. Data
CASTRO
24-Jun-13

Alter. Data
CASTRO
12/2015

Designa.
LN3D-26F CHARRUA DE DISCOS

Série LN-D
Cod. 21572CP01

Série
Cod.

LN-D
21572CP01


Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	214250640	3	CUBO DO DISCO COMPL 26"	MOYEN POUR DISQUE	HUB DISC		
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	3	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	3	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	3	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	3	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
17	215701000	3	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
18	215720010	1	QUADRO LN3D	CHASSIS	FRAME		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022663	3	DISCO LISO 660x6x32-26" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	4	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	9	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	6	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	12	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	16	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	3	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	10	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	6	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN3D-26F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Data	Cod.

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	9	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	16	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	3	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	4	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	3	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	3	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	3	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	3	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


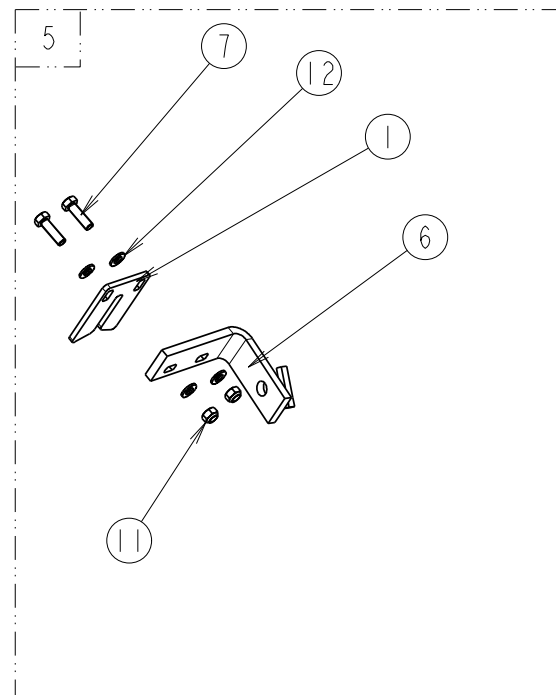
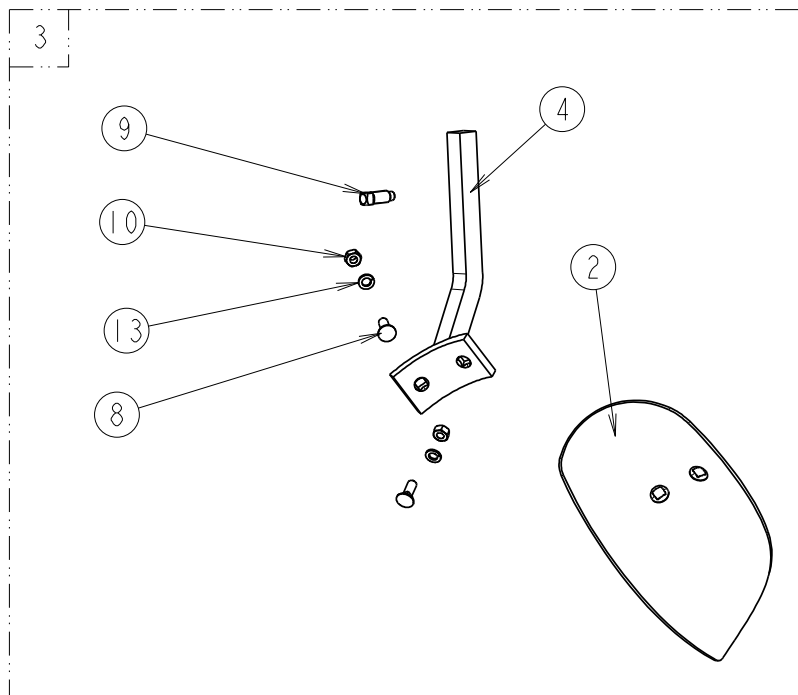
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.		Alter.	CASTRO	Designa. LN3D-26F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data		Data	12/2015		Cod.	21572CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	3	RASPADEIRA	RASETTE	SKIMMER
3	215701000	3	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	3	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	6	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	3	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	6	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	6	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12

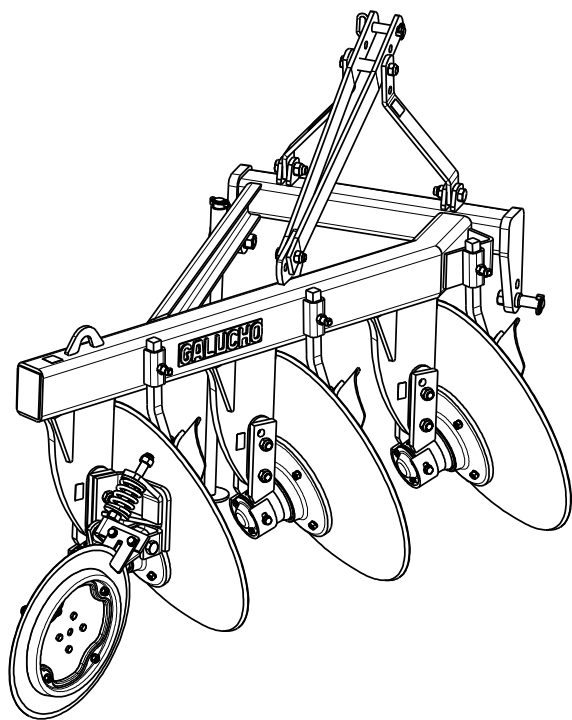




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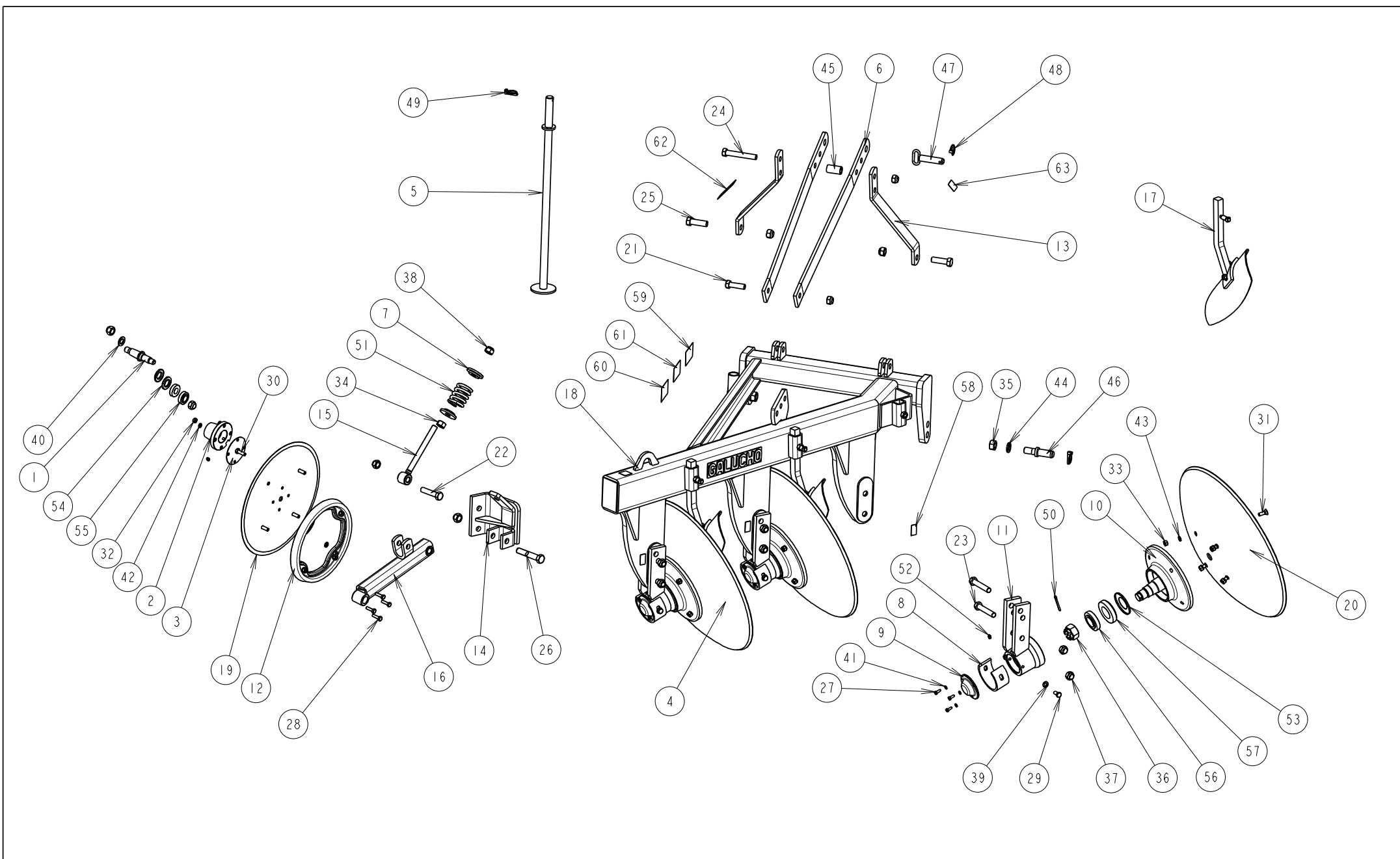


CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN3D-28F

CHARRUA LIGEIRA DE 3 DISCOS FIXOS
3 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 3 DISQUES SIMPLES




 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN3D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21573CP01


Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	214250660	3	CUBO DO DISCO COMPL 28"	MOYEN POUR DISQUE	HUB DISC		
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	3	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	3	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	3	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	3	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
17	215701000	3	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
18	215720010	1	QUADRO LN3D	CHASSIS	FRAME		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022863	3	DISCO LISO 710x6x32-28" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	4	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	9	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	6	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	12	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	16	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	3	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	10	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	6	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN3D-28F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Alter. Data	12/2015

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	9	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	16	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	3	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	4	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	3	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	3	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	3	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	3	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


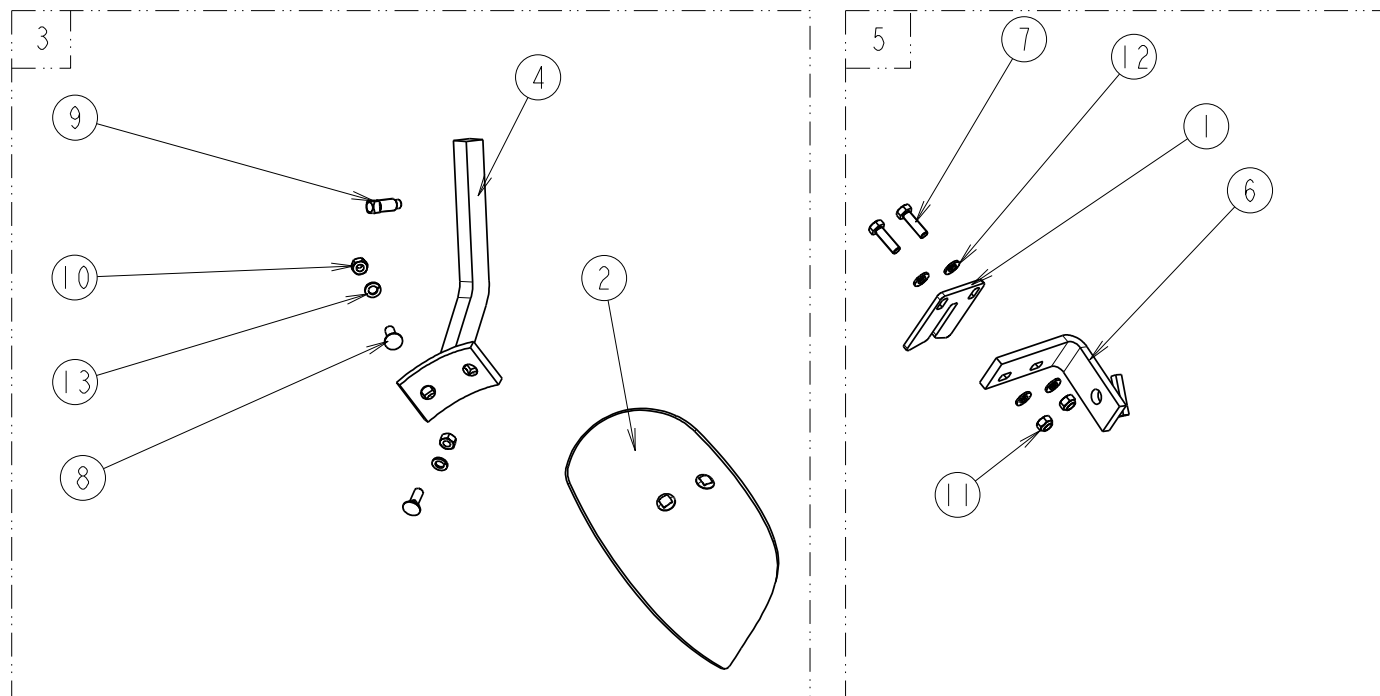
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN3D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21573CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	3	RASPADEIRA	RASETTE	SKIMMER
3	215701000	3	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	3	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	6	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	3	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	6	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	6	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12

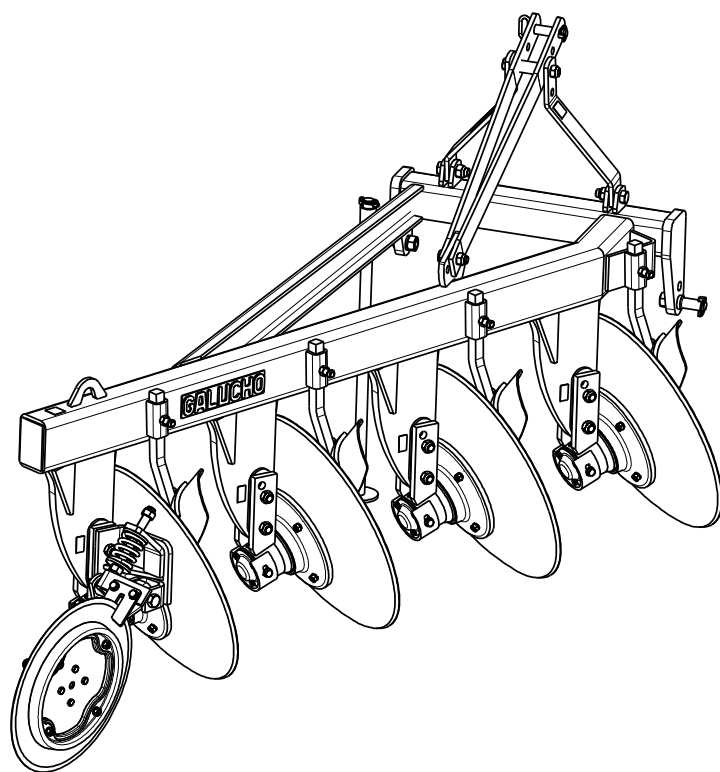




GALUCHO



CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN4D-26F

CHARRUA LIGEIRA DE 4 DISCOS FIXOS
4 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 4 DISQUES SIMPLES

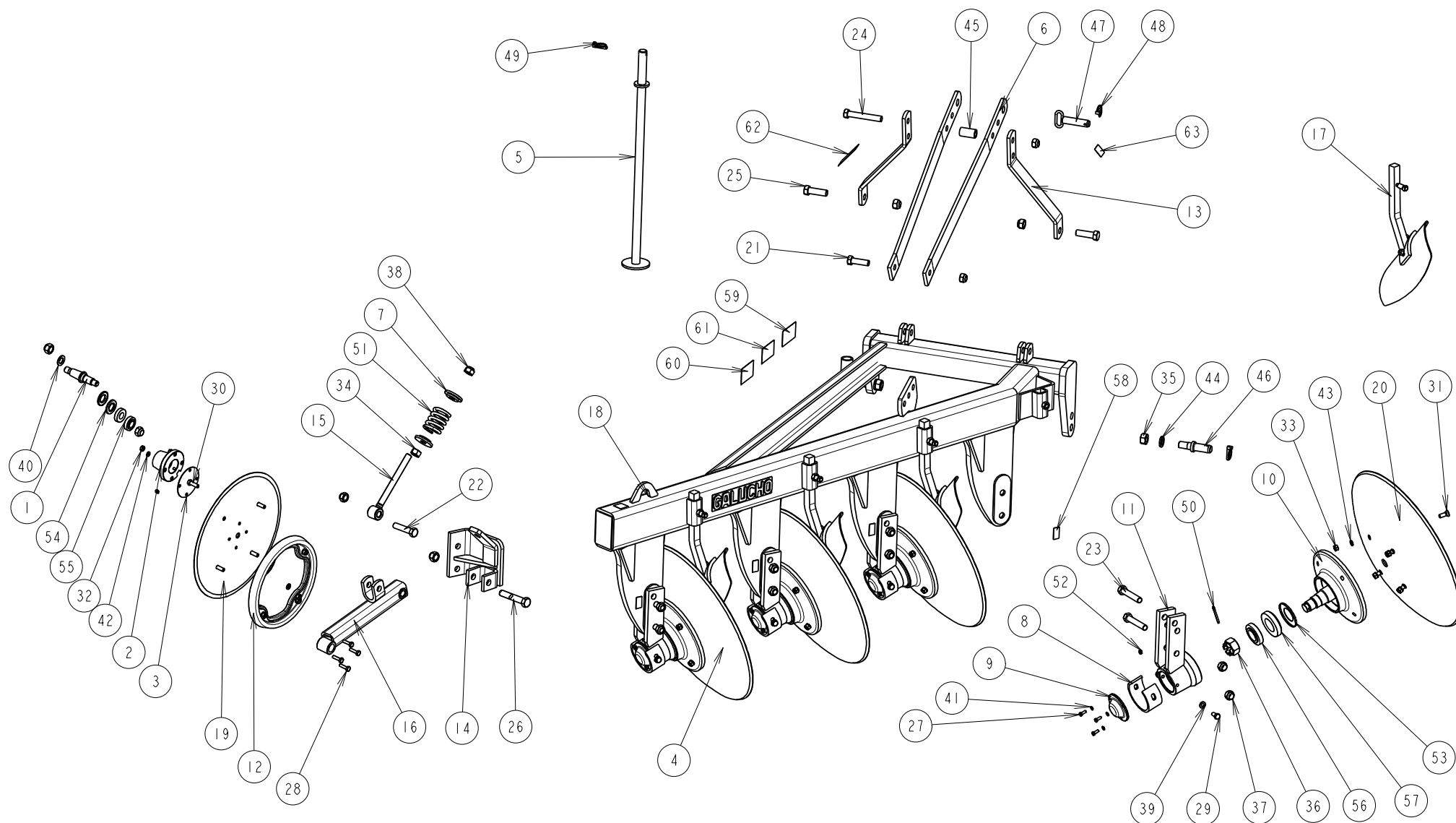



Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	214250640	4	CUBO DO DISCO COMPL 26"	MOYEN POUR DISQUE	HUB DISC		
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	4	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	4	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	4	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	4	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
17	215701000	4	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
18	215740010	1	QUADRO LN4D	CHASSIS	FRAME		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022663	4	DISCO LISO 660x6x32-26" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	6	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	12	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	8	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	16	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	20	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	4	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	12	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	8	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN4D-26F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Data	Cod.

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	12	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	20	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	4	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	5	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	4	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	4	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	4	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	4	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


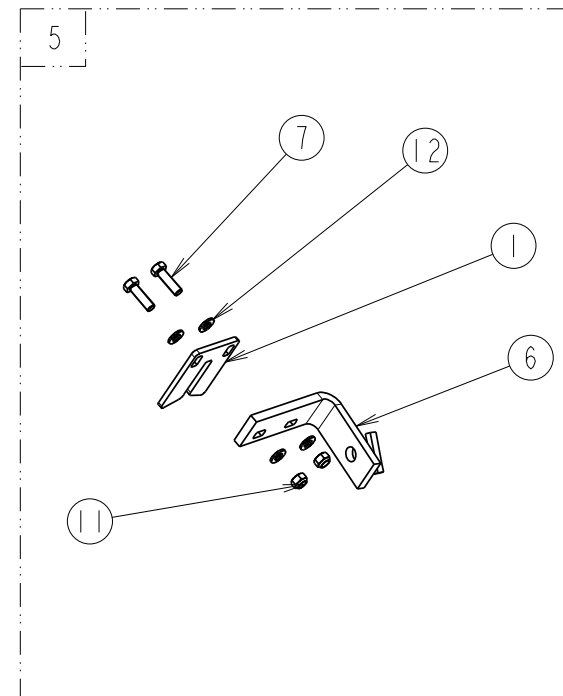
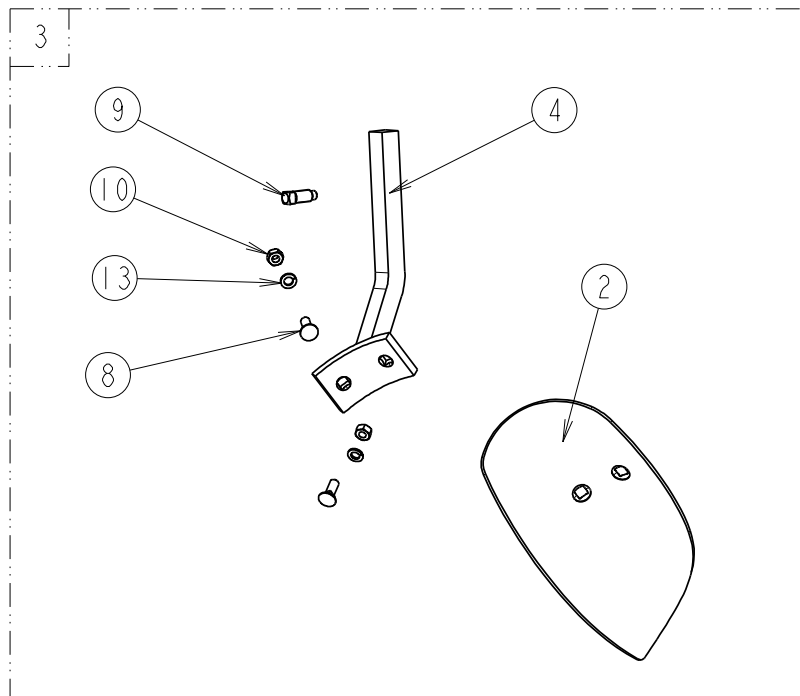
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN4D-26F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21574CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	4	RASPADEIRA	RASETTE	SKIMMER
3	215701000	4	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	4	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	8	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	4	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	8	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	8	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12



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INDÚSTRIAS METALOMECÂNICAS, S.A.
S. JOÃO DAS LAMPAS - PORTUGAL

Exec.
Data

CASTRO
24-Jun-13

Verif.
Data

Alter.
Data

CASTRO
12/2015

Designa.
LN4D-26F CHARRUA DE DISCOS

Série
Cod.

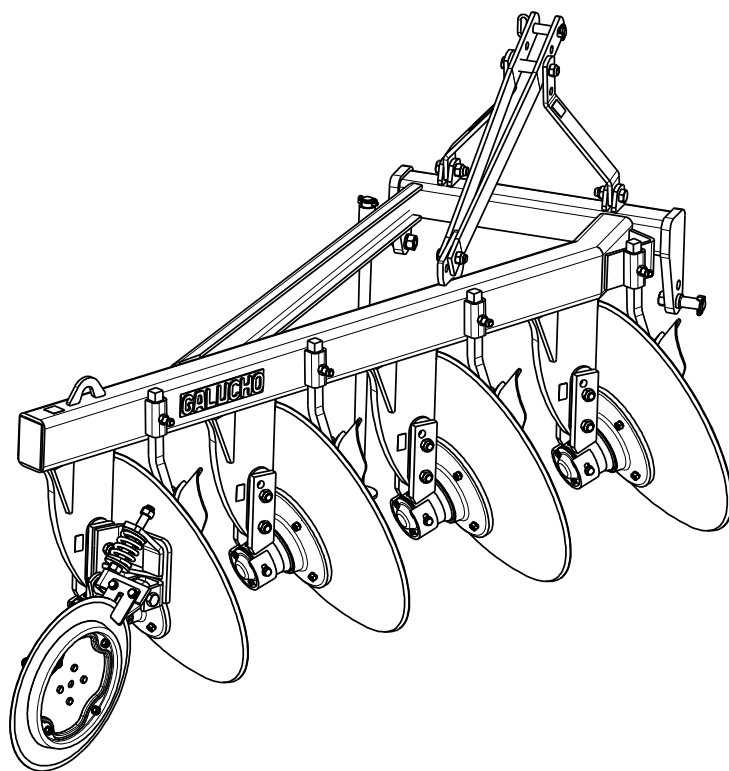
LN-D
21574CP04



GALUCHO



CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN4D-28F

CHARRUA LIGEIRA DE 4 DISCOS FIXOS
4 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES DISQUES SIMPLES

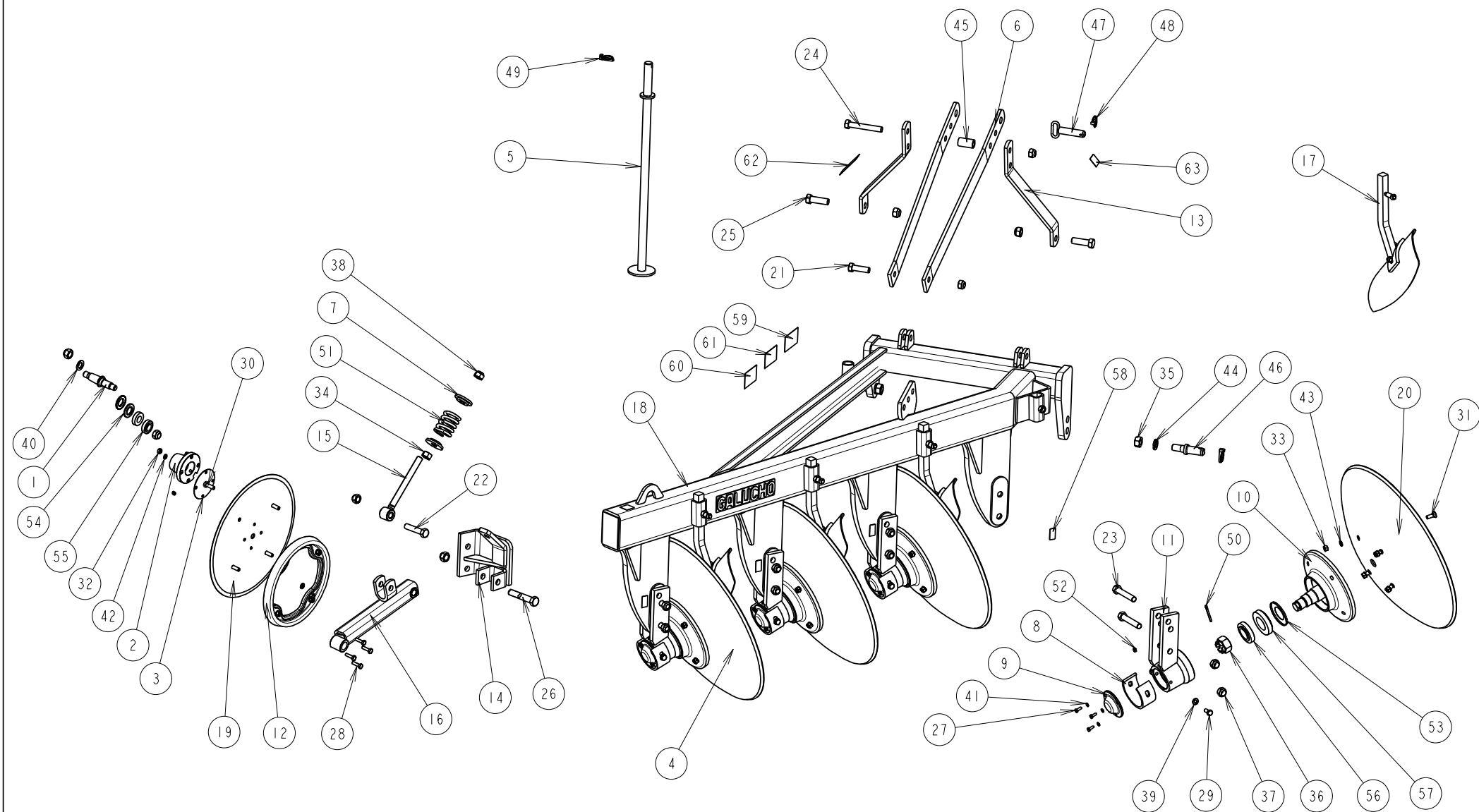



Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description			
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE			
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC			
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE			
4	214250660	4	CUBO DO DISCO COMPL 28"	MOYEN POUR DISQUE	HUB DISC			
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST			
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE			
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER			
8	215130800	4	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION			
9	215130810	4	TAMPA DO CUBO	COUVERCLE	COVER			
10	215130820	4	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT			
11	215130850	4	CUBO DO DISCO C/ORELHAS	PALIER	HUB			
12	215130900	1	ARO DA RODA	JANTE	RIM			
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE			
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL			
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT			
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE			
17	215701000	4	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET			
18	215740010	1	QUADRO LN4D	CHASSIS	FRAME			
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING			
20	811022863	4	DISCO LISO 710x6x32-28" C/FURO	DISQUE LISSE	PLAIN DISC			
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW			
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW			
23	910102072	6	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW			
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW			
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW			
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW			
27	910110820	12	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW			
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW			
29	910111225	8	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW			
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW			
31	910131235	16	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW			
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10			
33	911118120	20	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12			
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22			
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2			
36	911136381	4	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF			
37	911150200	12	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN			
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN			
39	912000140	8	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12			
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22			
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN4D-28F CHARRUA DE DISCOS	Série	LN-D	
		Data	24-Jun-13	Data		Alter.	CASTRO	Cod.

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	12	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	20	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	4	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	5	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	4	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	4	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	4	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	4	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


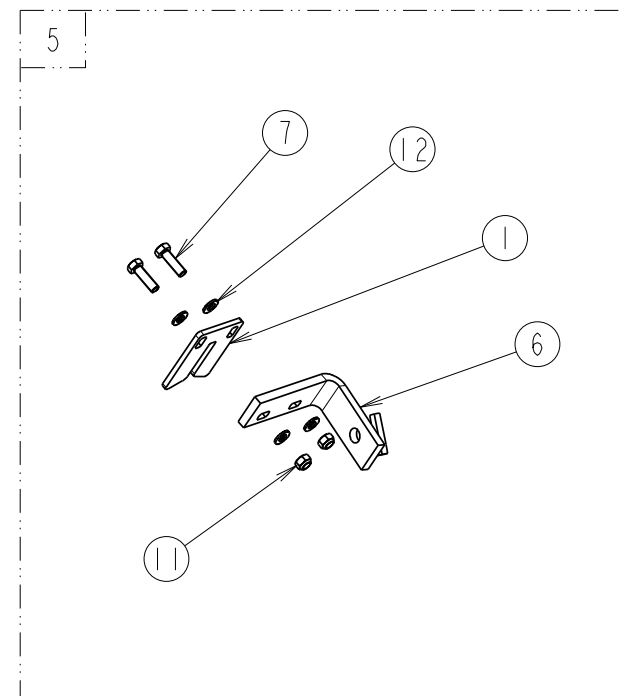
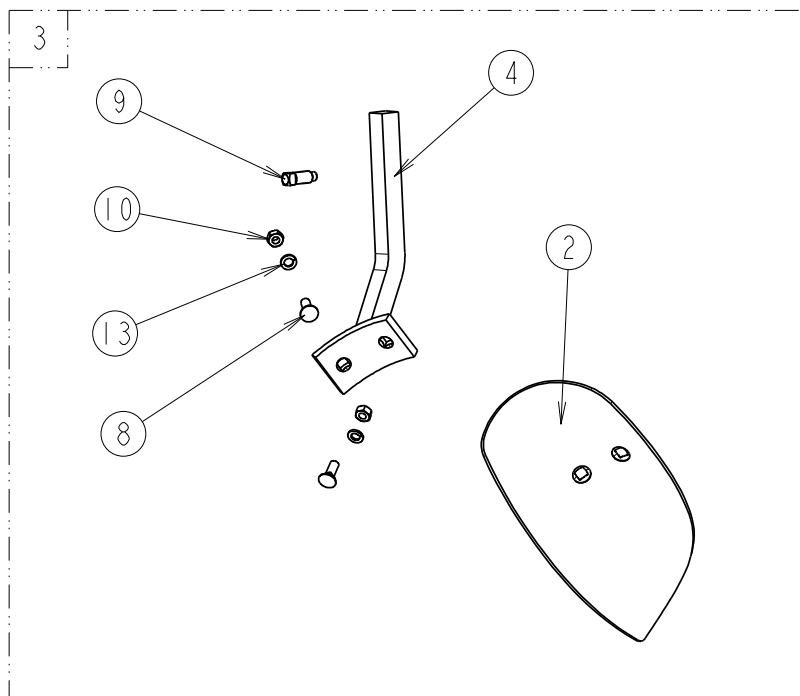
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.		Alter.	CASTRO	Designa. LN4D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data		Data	12/2015		Cod.	21575CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	4	RASPADEIRA	RASETTE	SKIMMER
3	215701000	4	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	4	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	8	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	4	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	8	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	8	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12

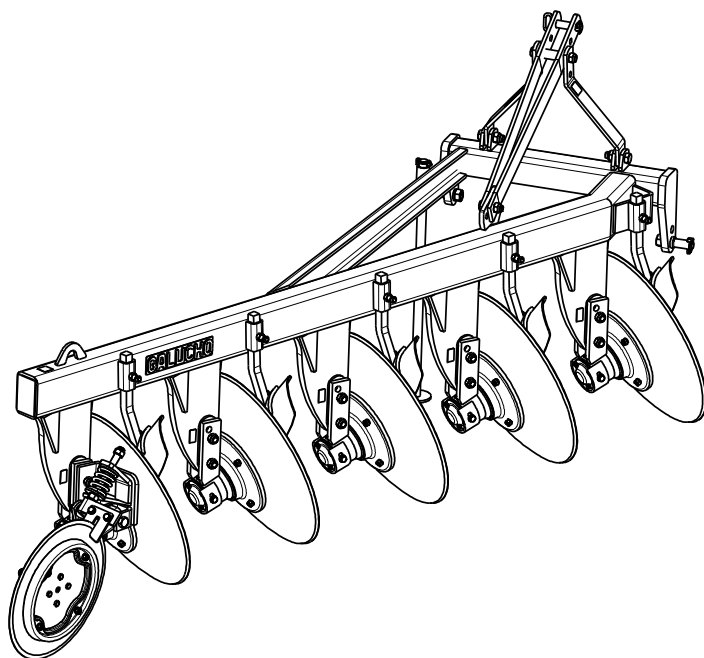




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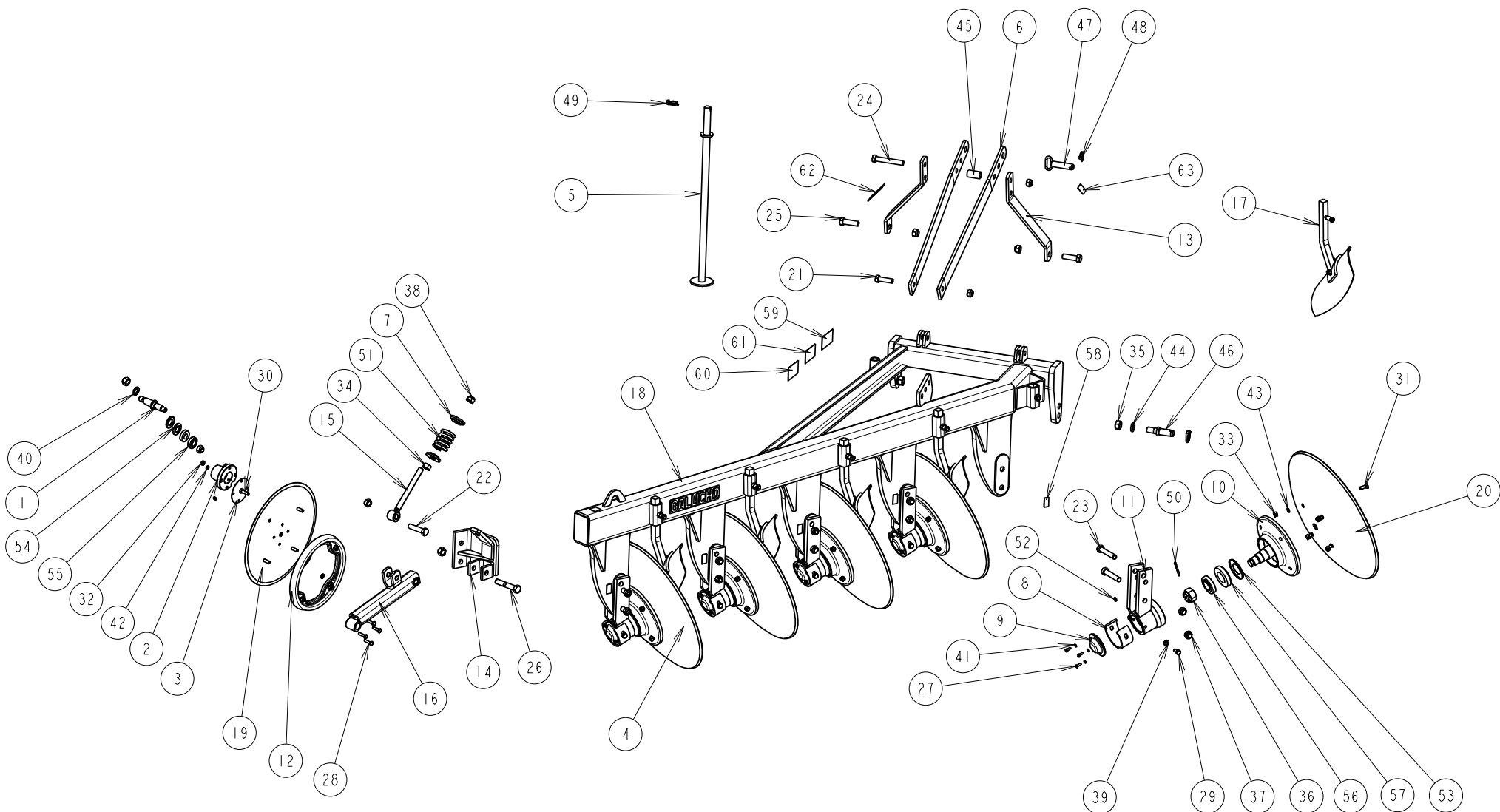


CATÁLOGO DE PEÇAS
LISTE DE PIÈCES DE RECHANGE
SPARE PART'S LIST



LN5D-26F

CHARRUA LIGEIRA DE 5 DISCOS FIXOS
5 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 5 DISQUES SIMPLES



GALUCHO
INDÚSTRIAS METALOMECÂNICAS, S.A.
S. JOÃO DAS LAMPAS - PORTUGAL

Exec. **CASTRO**
Data **24-Jun-13**

Verif. **CASTRO**
Data **24-Jun-13**

Alter. **CASTRO**
Data **12/2015**

Designa.
LN5D-26F CHARRUA DE DISCOS

Série
Cod. **21576CP01**

LN-D


Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	214250640	5	CUBO DO DISCO COMPL 26"	MOYEN POUR DISQUE	HUB DISC		
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	5	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	5	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	5	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	5	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
17	215701000	5	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
18	215760010	1	QUADRO LN5D	CHASSIS	FRAME		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022663	5	DISCO LISO 660x6x32-26" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	8	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	15	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	10	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	20	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	24	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	5	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	14	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	10	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN5D-26F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Data	Cod.

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	15	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	24	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	5	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	6	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	5	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	5	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	5	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	5	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


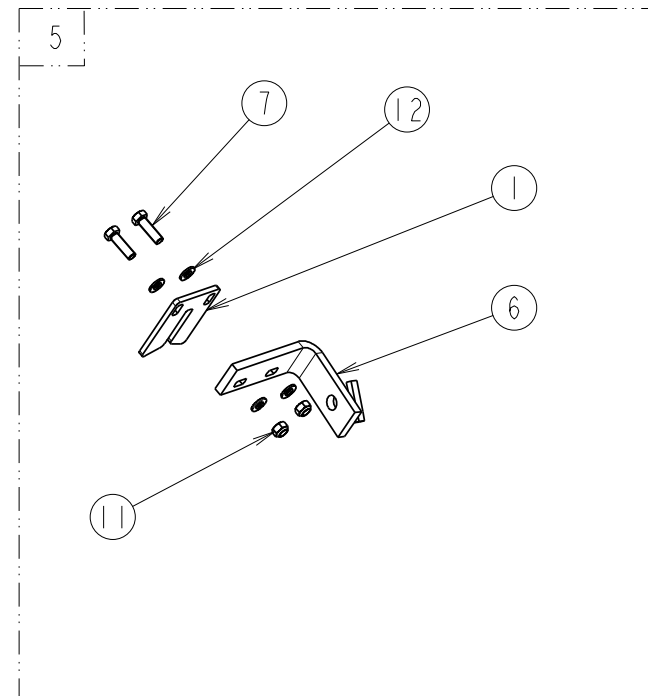
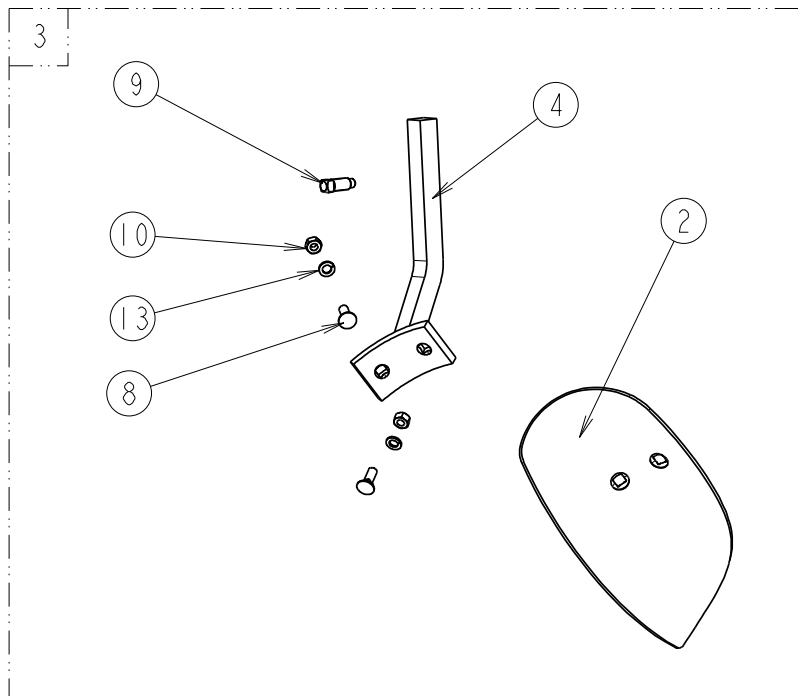
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.		Alter.	CASTRO	Designa. LN5D-26F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data		Data	12/2015		Cod.	21576CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	5	RASPADEIRA	RASETTE	SKIMMER
3	215701000	5	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	5	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	10	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	5	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	10	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	10	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12

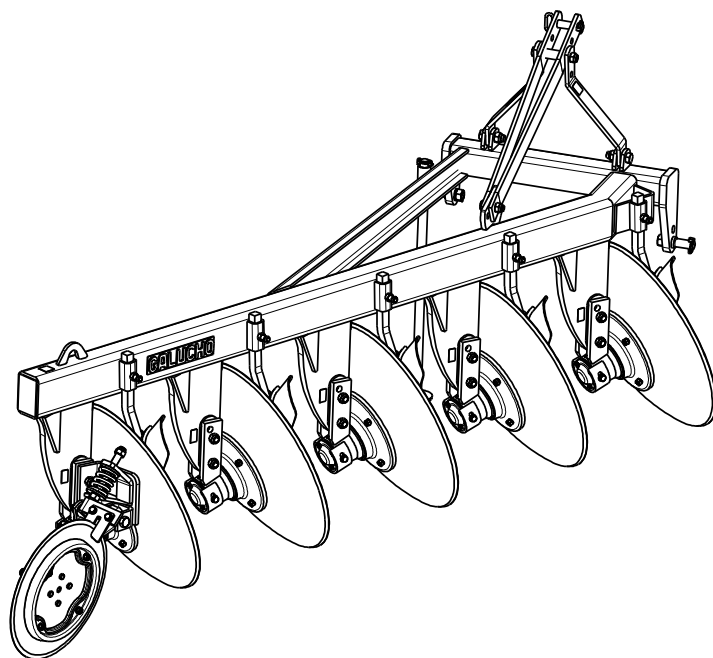




GALUCHO



CATÁLOGO DE PEÇAS LISTE DE PIÈCES DE RECHANGE SPARE PART'S LIST



LN5D-28F

CHARRUA LIGEIRA DE 5 DISCOS FIXOS
5 LIGHT FIXED DISC PLOUGHS
CHARRUES LÉGERES 5 DISQUES SIMPLES

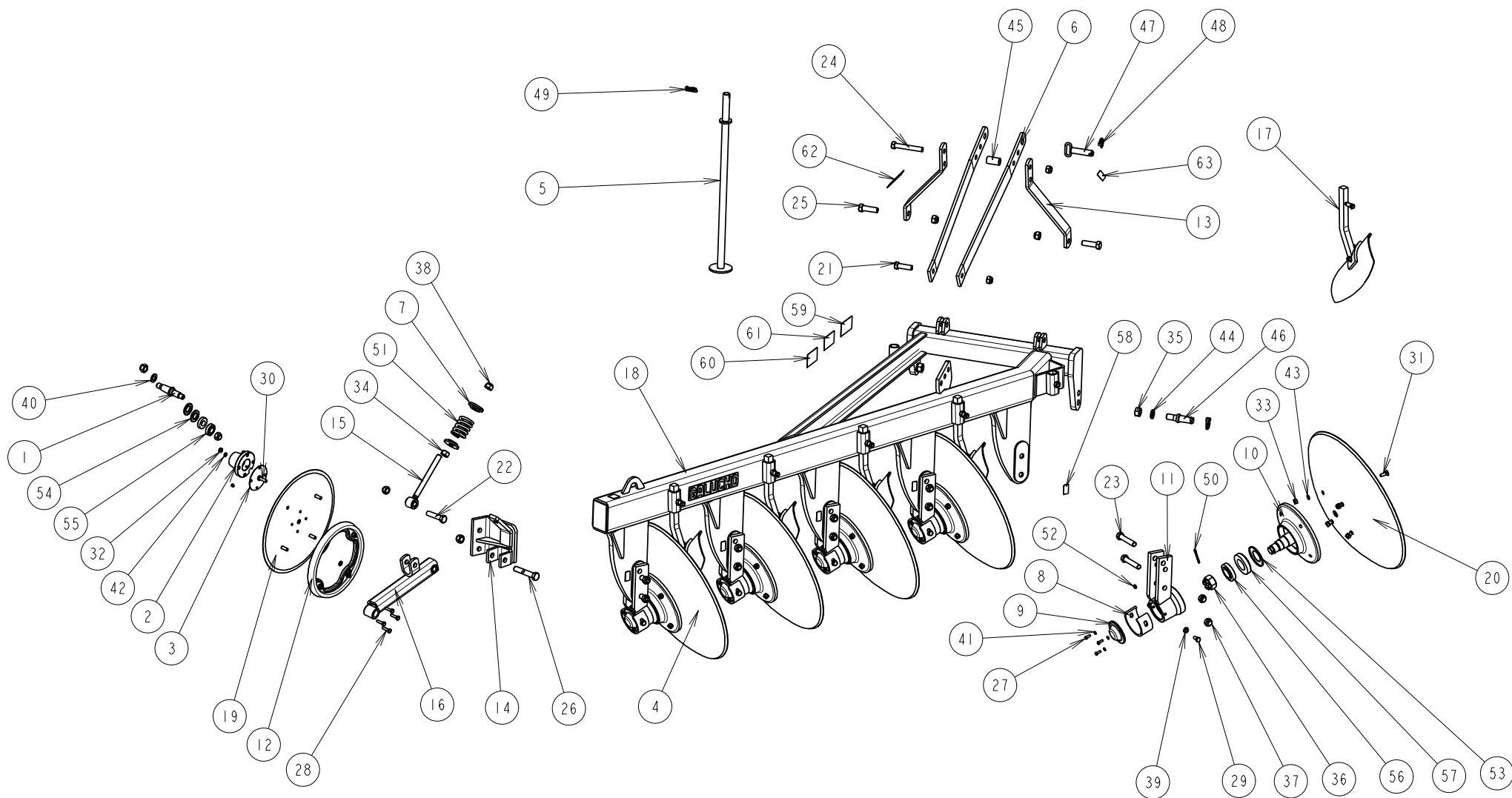



Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description		
1	211632100	1	VEIO DO DISCO DE SEGA	AXE DE ROTATION	DISC ROTARY AXLE		
2	211632120	1	CUBO DO DISCO DE SEGA	SEUL COUTRE	HUB DISC		
3	211632130	1	CÍRCULO 100x120	CERCLE	CIRCLE		
4	214250660	5	CUBO DO DISCO COMPL 28"	MOYEN POUR DISQUE	HUB DISC		
5	214450550	1	ESPERA DE DESCANSO	ESPOIRS REPOSENT	REST		
6	215130310	2	ESCORA 900 (Ø26)	ACCOROCHEZ	BRACE		
7	215130400	2	ANILHA C/ GUIA	RONDELLE	WASHER		
8	215130800	5	RESGUARDO DO CUBO	COQUILLES DE PROTECTION	SHIELD PROTECTION		
9	215130810	5	TAMPA DO CUBO	COUVERCLE	COVER		
10	215130820	5	MANGA VEIO DO DISCO	ESSIEU DE ROUE	WHEEL SUPPORT		
11	215130850	5	CUBO DO DISCO C/ORELHAS	PALIER	HUB		
12	215130900	1	ARO DA RODA	JANTE	RIM		
13	215700070	2	BARRA DO 3º PONTO	ACCROCHEZ	BRACE		
14	215700210	1	CONJ DO SUPT DA RODA DE GUIA	ROUES DE GUIDAGE	GUIDE WHEEL		
15	215700270	1	SUPORTE DA MOLA	RESSORT DE SUPPORT	SPRIG SUPPORT		
16	215700300	1	BRAÇO DA RODA DE GUIA	BRAS DE GUIDE	SPRING GUIDE		
17	215701000	5	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET		
18	215760010	1	QUADRO LN5D	CHASSIS	FRAME		
19	811012055	1	DISCO DE SEGA LISO 20"	DISQUE	HARD MOWING		
20	811022863	5	DISCO LISO 710x6x32-28" C/FURO	DISQUE LISSE	PLAIN DISC		
21	910102056	1	PARAF. CS 8.8 M20x65	VIS HEXAGONAL	HEXAGONAL SCREW		
22	910102066	1	PARAF. CS 8.8 M20x90	VIS HEXAGONAL	HEXAGONAL SCREW		
23	910102072	8	PARAF. CS 8.8 M20x110	VIS HEXAGONAL	HEXAGONAL SCREW		
24	910102076	3	PARAF. CS 8.8 M20x130	VIS HEXAGONAL	HEXAGONAL SCREW		
25	910102258	2	PARAF. CS 8.8 M22x70	VIS HEXAGONAL	HEXAGONAL SCREW		
26	910102274	1	PARAF. CS 8.8 M22x120	VIS HEXAGONAL	HEXAGONAL SCREW		
27	910110820	15	PARAF. CS RT 8.8 M8x20	VIS HEXAGONAL	HEXAGONAL SCREW		
28	910111035	4	PARAF. CS RT 8.8 M10x35	VIS HEXAGONAL	HEXAGONAL SCREW		
29	910111225	10	PARAF. CS RT 8.8 M12x25	VIS HEXAGONAL	HEXAGONAL SCREW		
30	910111235	4	PARAF. CS RT 8.8 M12x35	VIS HEXAGONAL	HEXAGONAL SCREW		
31	910131235	20	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW		
32	911118100	4	PORCA SEXT. 8 M10	ÉCROU HEXAGONAL M10	HEXAGONAL NUT M10		
33	911118120	24	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12		
34	911118220	1	PORCA SEXT. 8 M22	ÉCROU HEXAGONAL M22	HEXAGONAL NUT M22		
35	911118242	2	PORCA SEXT. 8 M24x2	ÉCROU HEXAGONAL M24x2	HEXAGONAL NUT M24x2		
36	911136381	5	PORCA CASTELO 1" 1/2 UNF	ÉCROU INDESSERRABLE 1" 1/2 UNF	SELF LOCKING NUT 1" 1/2 UNF		
37	911150200	14	PORCA S AUTOBL M20 ZN	ÉCROU INDESSERRABLE M20 ZN	SELF LOCKING NUT M20 ZN		
38	911150220	5	PORCA S AUTOBL M22 ZN	ÉCROU INDESSERRABLE M22 ZN	SELF LOCKING NUT M22 ZN		
39	912000140	10	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12		
40	912000240	1	ANILHA 23-M22	RONDELLE 23-M22	FLAT WASHER 23-M22		
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL		Exec.	CASTRO	Verif.	Designa. LN5D-28F CHARRUA DE DISCOS	Série	LN-D
		Data	24-Jun-13	Data		Cod.	21577CP02
			Alter.	CASTRO			
			Data	12/2015			

Fig. Ref. Nº	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
41	912020080	15	ANILHA MOLA 8 ZN	RONDELLE ÉLASTIQUE 8	SPRING WASHER 8
42	912020100	4	ANILHA MOLA 10 ZN	RONDELLE ÉLASTIQUE 10	SPRING WASHER 10
43	912020120	24	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12
44	912020240	2	ANILHA MOLA 24 ZN	RONDELLE ÉLASTIQUE 24	SPRING WASHER 24
45	912102158	1	CASQUILHO Ø21x58	BAGUE	BUSHING
46	913112851	2	MUNHÃO 28x51/M24x50	AXE D'ATTELAGE	HITCH PIN
47	913182504	1	CAV. C/ARGOLA Ø25x90	GOUPILLE	LINCH PIN
48	913211060	1	CAVILHA DE ELO Ø6	GOUPILLE Á ANNEAU ROBOTANT 6	LINCH PIN 6
49	913212110	3	CAVILHA DE ELO Ø11	GOUPILLE Á ANNEAU ROBOTANT	LINCH PIN
50	913226050	5	TROÇO EM AÇO 6x50 DIN94	GOUPILLE FENDUE	SPLIT COTTER PIN
51	920019201	1	MOLA 10x50x110 COMPRESSÃO	RESSORT DE COMPRESSION	COMPRESSION SPRING
52	930001101	6	LUBRIFICADOR M10x1 RECTO	GRAISEUR	GREASE NIPPLE
53	950015099	5	TAMPA ROL 30211 D55 NILO RING	JOINT MÉTALLIQUE	NILO' S RING
54	950023055	2	ANEL VEDADOR FOSFATIZADO 30x55	RONDELLE D'ÉTAINCHÉITÉ	SEALING WASHER
55	951330205	2	ROL. 30205 CÓNICO	ROULEMENT	BEARING
56	951330209	5	ROL. 30209 CÓNICO	ROULEMENT	BEARING
57	951330211	5	ROL. 30211 CÓNICO	ROULEMENT	BEARING
58	990141220	5	ETIQ. PONTO P/ LUBRIFICAÇÃO	ETIQUETTE LUBRIF.	LUBRIF. STICKER
59	990150008	1	ETIQ.PREV.PERIG.VAR./CONS.MANU	ETIQUETTE DE PREVENTION	SAFETY STICKER
60	990150022	1	ETIQ.PREV.AFAST.6M/PROJ OBJE	ETIQUETTE DE PREVENTION	SAFETY STICKER
61	990150025	1	ETIQ.PREV.DESLIG.MOTOR INTERV	ETIQUETTE DE PREVENTION	SAFETY STICKER
62	990200010	1	CH. IDENT. ALF. AG. MONTADAS	PLAQUE D'IDENTIFICATION	IDENTIFICATION PLATE
63	990216710	2	AUTOC. GANCHO	AUTOC. CROCHET	HOOK STICKER


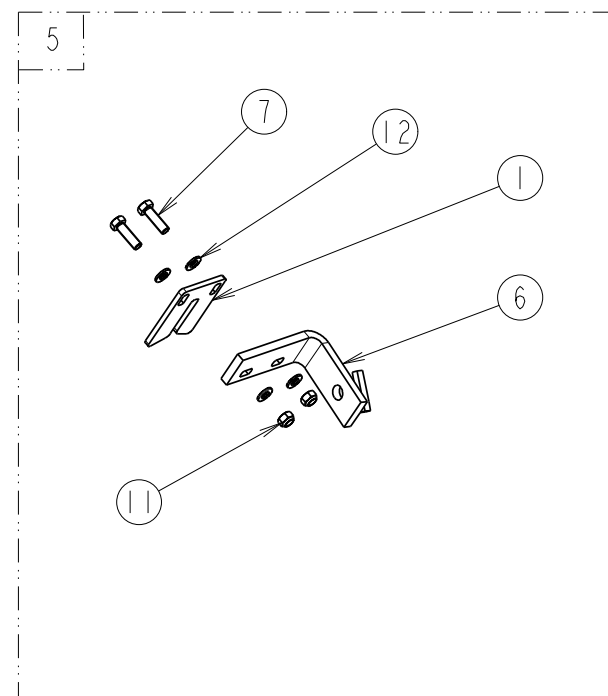
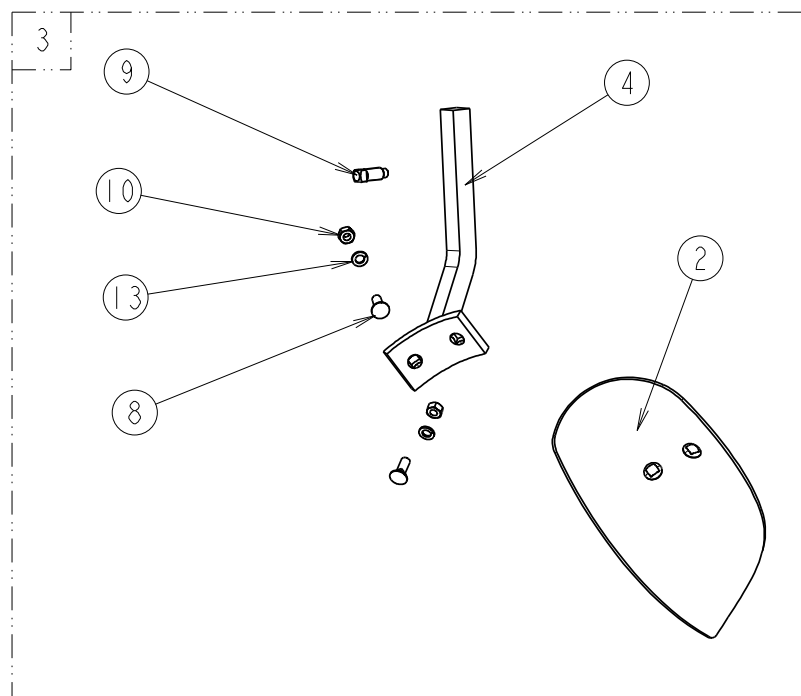
 GALUCHO INDÚSTRIAS METALOMECÂNICAS, S.A. S. JOÃO DAS LAMPAS - PORTUGAL	Exec.	CASTRO	Verif.	Alter.	CASTRO	Designa. LN5D-28F CHARRUA DE DISCOS	Série	LN-D
	Data	24-Jun-13	Data	Data	12/2015		Cod.	21577CP03

Fig. Ref. N°	Referência Code Codigo	Quantidade/Alfaia Quantité/Machine Quantity/Implement	Descrição	Designation	Description
1	215130320	1	RASPADOR DO DISCO	RASETTE	DISC SCRAPER
2	215130390	5	RASPADEIRA	RASETTE	SKIMMER
3	215701000	5	RASPADEIRA LN-D (CONJ)	RASETTE MIS	SKIMMER SET
4	215701010	5	SUPT DA RASPADEIRA LN-D	BRAS RASETTE	SKIMMER ARM
5	215702000	1	RASPADOR DA RODA GUIA LN-D	RASETTE MIS	SCRAPER SET
6	215702010	1	CONJ SUPORTE DO RASPADOR	RASETTE SUPORT	SCRAPER SUPPORT
7	910111240	2	PARAF. CS RT 8.8 M12x40	VIS HEXAGONAL	HEXAGONAL SCREW
8	910131235	10	PARAF. CE AQ 8.8 M12x35	VIS À LA TÊTE PLATE	FLAT HEAD SCREW
9	910155839	5	PARAF AJUST 5/8BSWx39	VIS	SQUARE SCREW
10	911118120	10	PORCA SEXT. 8 M12	ÉCROU HEXAGONAL M12	HEXAGONAL NUT M12
11	911150120	2	PORCA S AUTOBL M12 ZN	ÉCROU INDESSERRABLE M12 ZN	SELF LOCKING NUT M12 ZN
12	912000140	4	ANILHA 13-M12	RONDELLE 13-M12	FLAT WASHER 13-M12
13	912020120	10	ANILHA MOLA 12 ZN	RONDELLE ÉLASTIQUE 12	SPRING WASHER 12



GALUCHO - INDÚSTRIAS METALOMECÂNICAS, S. A.

(Fundada por JOSÉ FRANCISCO JUSTINO)

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