

## **INSTRUCTIONS BOOK**

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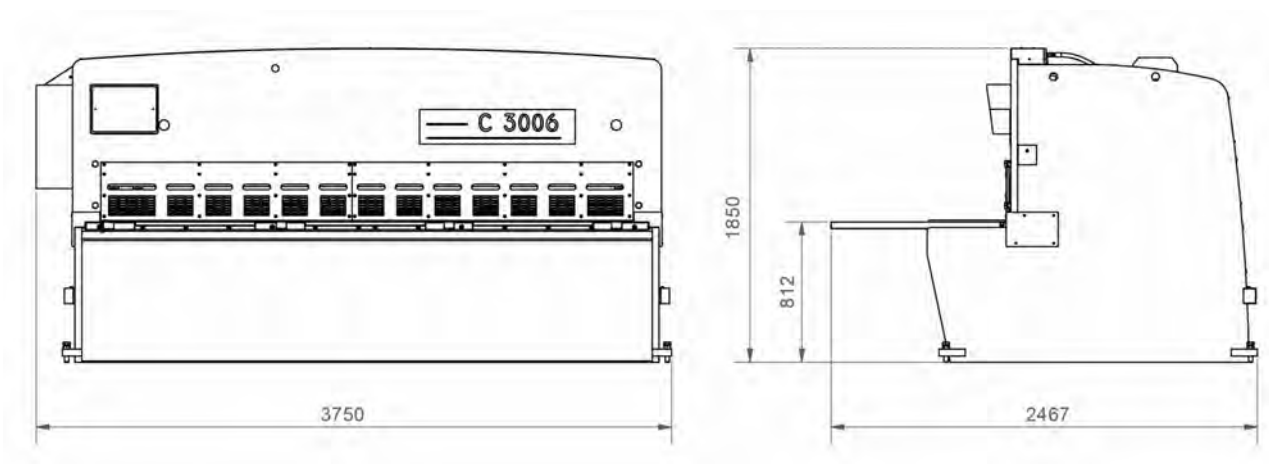
## **TECHNICAL ANNEXES**

## 1. CHARACTERISTICS OF THE MACHINE

### 1.1. Identification of the machine

<b>Trademark</b>	Nargesa
<b>Type</b>	Hydraulic shear
<b>Model</b>	C3006

### 1.2. General dimensions



*Picture 1. External dimensions of the machine*

### 1.3. Descripción de la máquina

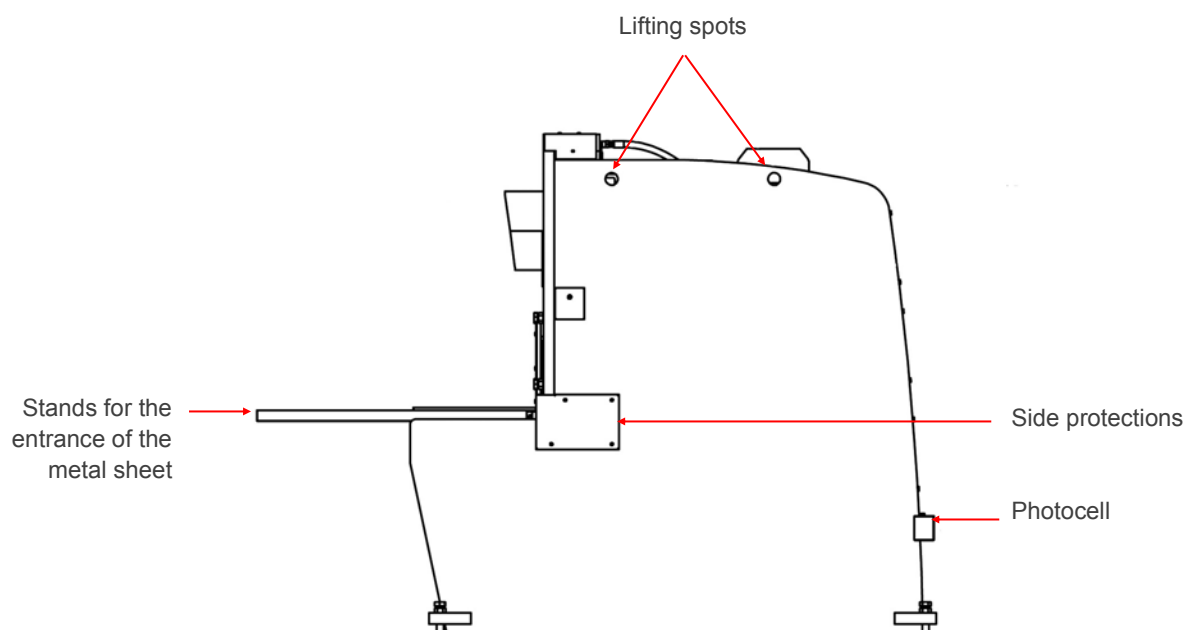
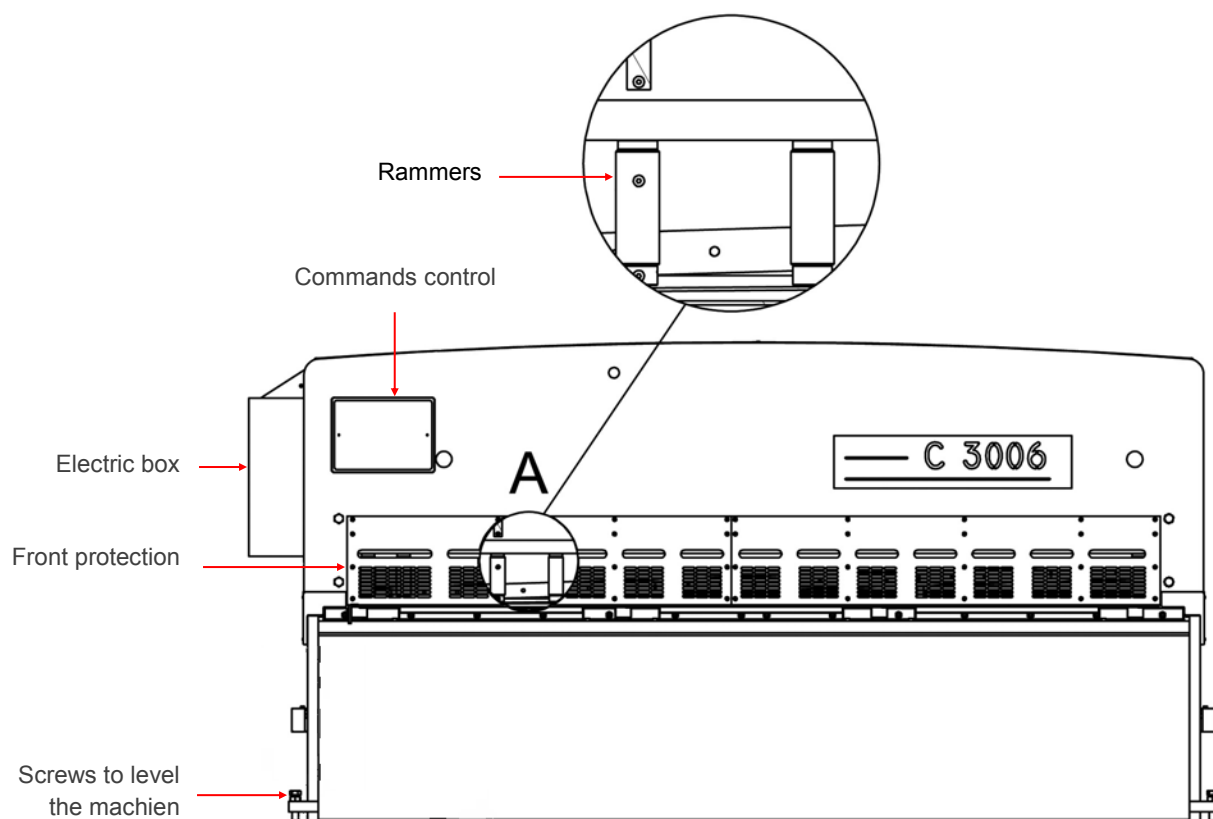
The guillotine C3006, has been designed specifically for cutting metal sheets.

The manufacturer will not take any responsibility for the damages caused to the machines or the operatives using it at any other operation different from the ones previously specified.

The C3006 is according to the European regulations and normative for the manufacturing of machinery.

**PRADA NARGESA S. L is not liable for any damage that might occur due to misuse or failure by users to comply with the safety standards.**

## 1.4. Identification of the machine





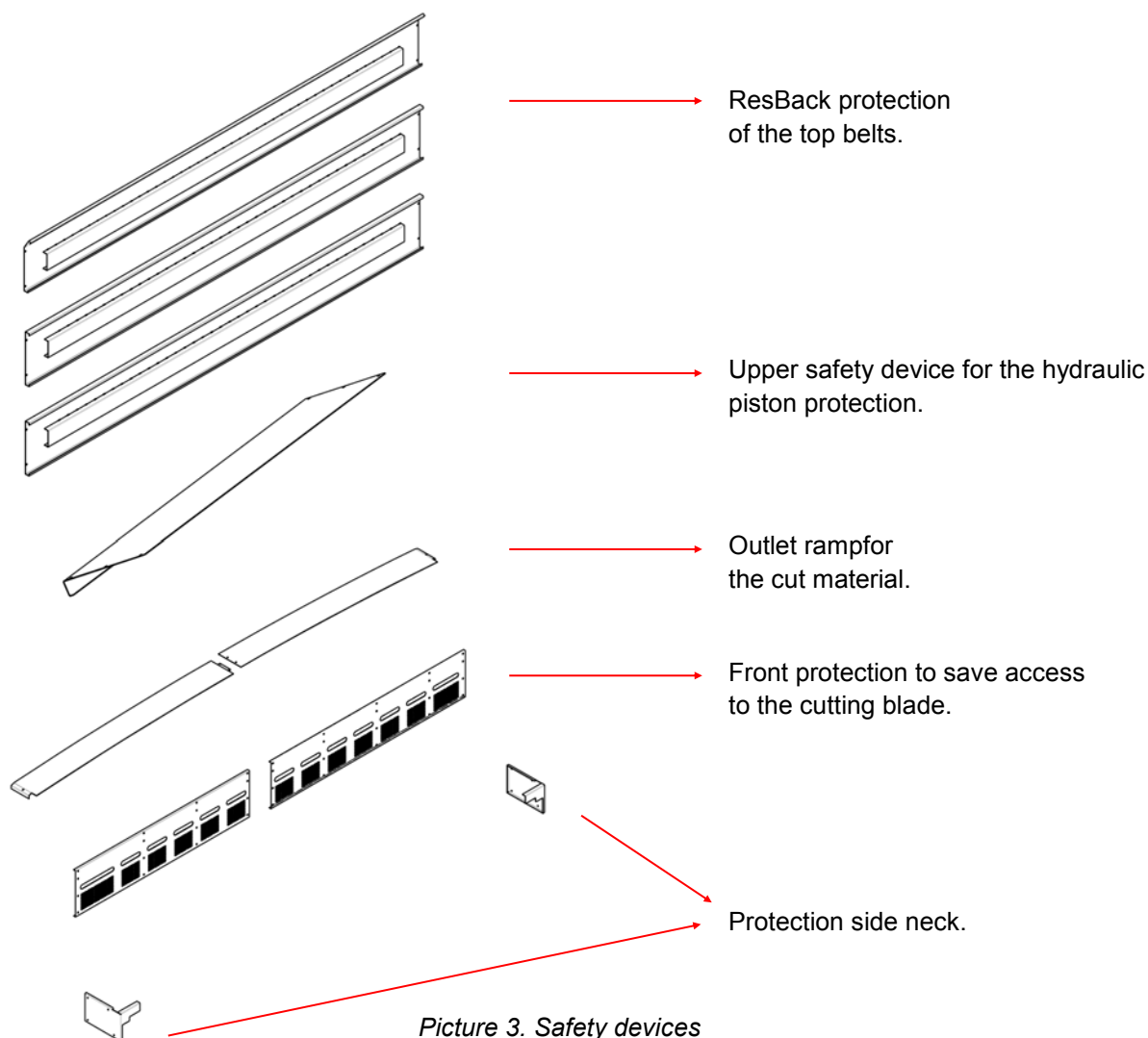
Picture 2. Nameplate

### 1.5. General features

Engine power	9,2 KW / 12 CV
Three-phased tension	230 / 400 V
Cutting Capacity: mild steel	6 mm (450N/mm <sup>2</sup> )
Cutting capacity: stainless steel	4 mm (700N/mm <sup>2</sup> )
Nº of hammers	15 units
Cutting length	3030 mm
Neck	173 mm
Gauge displacement	700 mm
Strokes per minute	12 strokes
Position accuracy and repeatability	+/- 0,1 mm
Dimensions	3750x2000x1850 mm
Weight	8000 Kg

### 1.6. Description of safety devices

The fixed safety devices the guillotine C3006 has are lateral to avoid any handling, the front protection avoids from acceding to the rammers side, Protections in the back side of the machine covering the belts and pulley of the back top, the outlet ramp for the material and the upper protection cover of the piston moveable part.



Picture 3. Safety devices

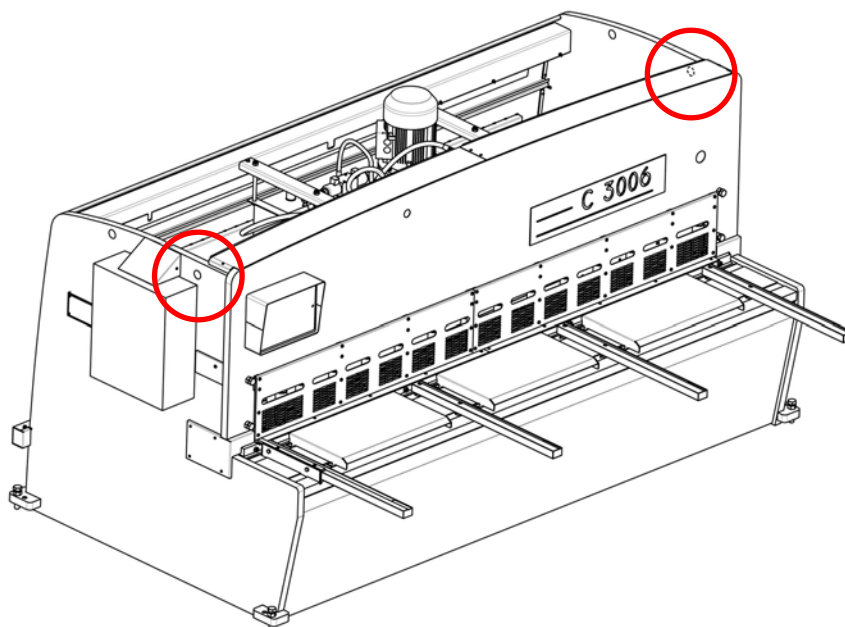
Protection covers must not be removed to do the maintenance works. This job must be carried out by highly qualified technicians. **PRADA NARGESA** will not accept any responsibility for the damages caused by not bearing in mind to what has been previously exposed on this book.



## 2. TRANSPORTATION AND STORAGE

### 2.1. Transportation

The lifting of the machine will be carried out by a crane, using the clamping points indicated for that. The machine will be never lifted by any other side but the indicated one.



*Picture 4. Transportation of the machine*

### 2.2. Storage conditions

The machine will not be stored in a place that hasn't got the following requirements:

- \* Humidity between 30% and 95% without water condensation.
- \* Temperature from -25 to 55°C or 75°C for a length of time not exceeding 24h (these must be considered storage conditions)
- \* It is advisable not to pile up machines or heavy objects on top of it

### 3. MAINTENACNE

#### 3.1. General maintenance

- The oil container level must be checked every 1000 hours of work.

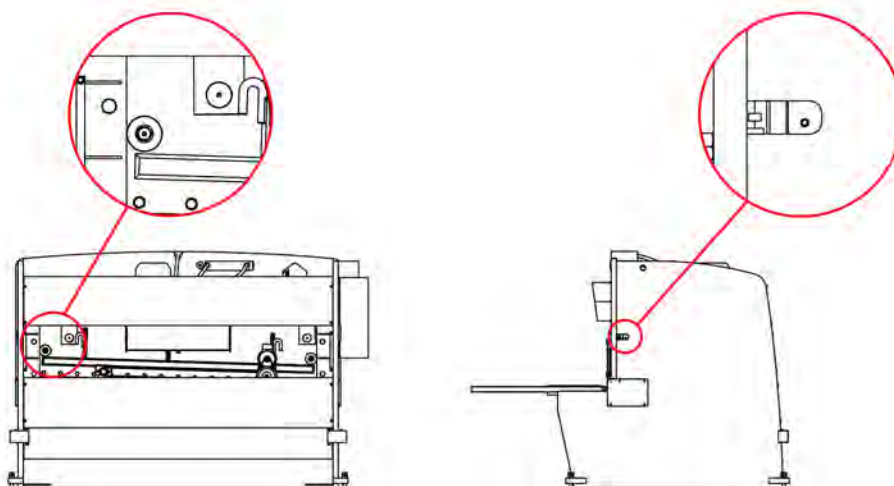
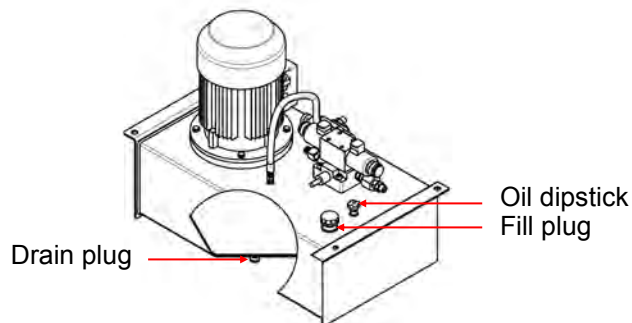
The peephole to the oil level is located in the upper part of the container. In case there is a lack of oil, just fill it up to the peephole mark.

- Replace the hydraulic oil container every 4000 hours of work.
- Oil: CEPESA HYDRAULIC HM 68

**WARNING: Stop the machine to make the maintenance.**

Once the oil has been changed, it is necessary to start up the machine and activate the pedal in intermittence by increasing the pressure time gradually until the circuit is full.

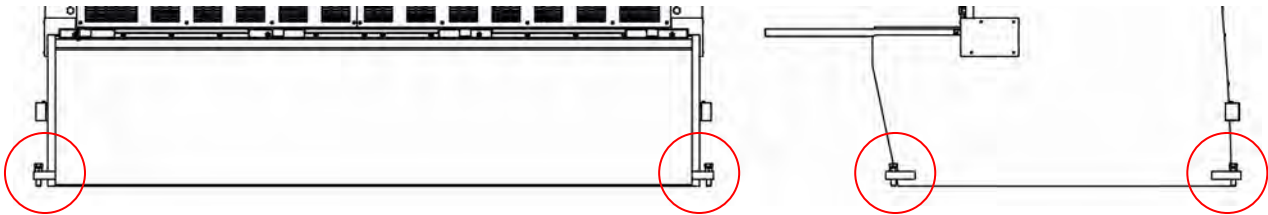
- Grease up the bolts periodically according to the level of use.
- If it is a steady and daily use, they must be greased every month.
- Lubricate the top spindles weekly with grease or oil.
- Lubricate all guides greasers every month.



## 4. INSTALLMENT AND START UP

### 4.1. Location of the machine

The machine will be placed properly so that it doesn't have to be moved, in case this was not possible then it is necessary to follow the rules described in the Transport section. It must be placed on a flat and levelled surface to avoid vibrations and any sort of movement while it's performing. It is possible to level the machine by using the screws at the bottom of the machine, at each corner.

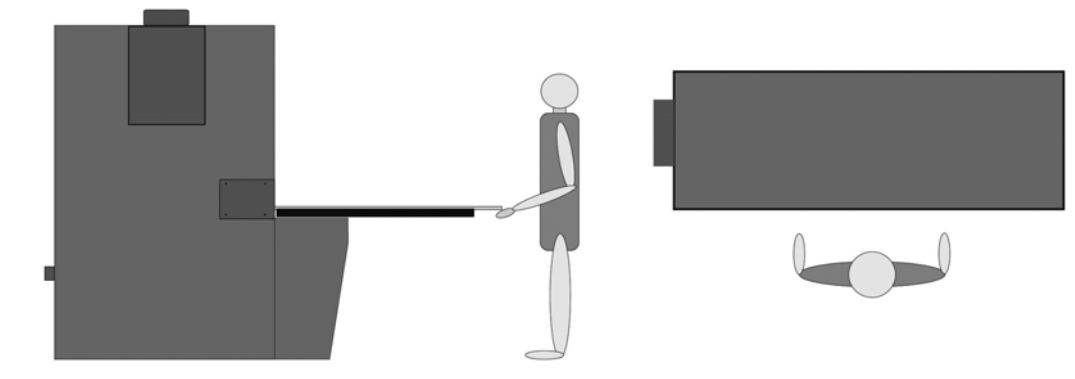


Picture 5. Anchor points of the machine

### 4.2. Dimensions and working site

The dimensions of the machine are to be considered when the machine is put down, as well as the operative working zone and the possible different sizes of the part to be worked.

The machine will be only used by one operative, who will be located at the front side of the machine and never in a lateral of it since he has to keep control over the whole set of the machine, moreover the main protection devices are designed for the frontal use of it.



Picture 6. Working site

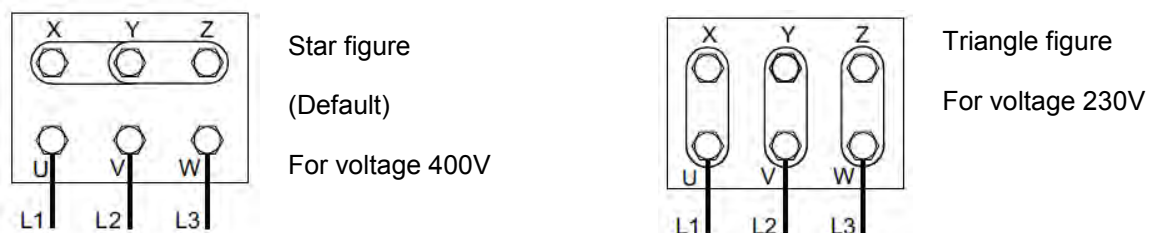
### 4.3. Admissible outer conditions

It is advisable to work under the following atmospheric conditions:

- Room temperature between +5 °C and +40 °C without exceeding an average temperature of +35 °C within 24 hrs
- Humidity between 30% and 90% without water condensation

#### 4.4 Connection to power supply

The guillotine C3006 is equipped with two three-phased engines 230 / 400 V: one of them is for the top (0,37KW), which must be always connected triangularly and another one (9,2 kW) connected star like to be connected to a 400v + neutral supply. It must connected to an only supply in the indicated source. If the line tension is not the one indicated then a change of the engine bobbins will be carried out. As shown in the pictures below:



*Picture 7. Change of engine connections*

#### **IMPORTANT**

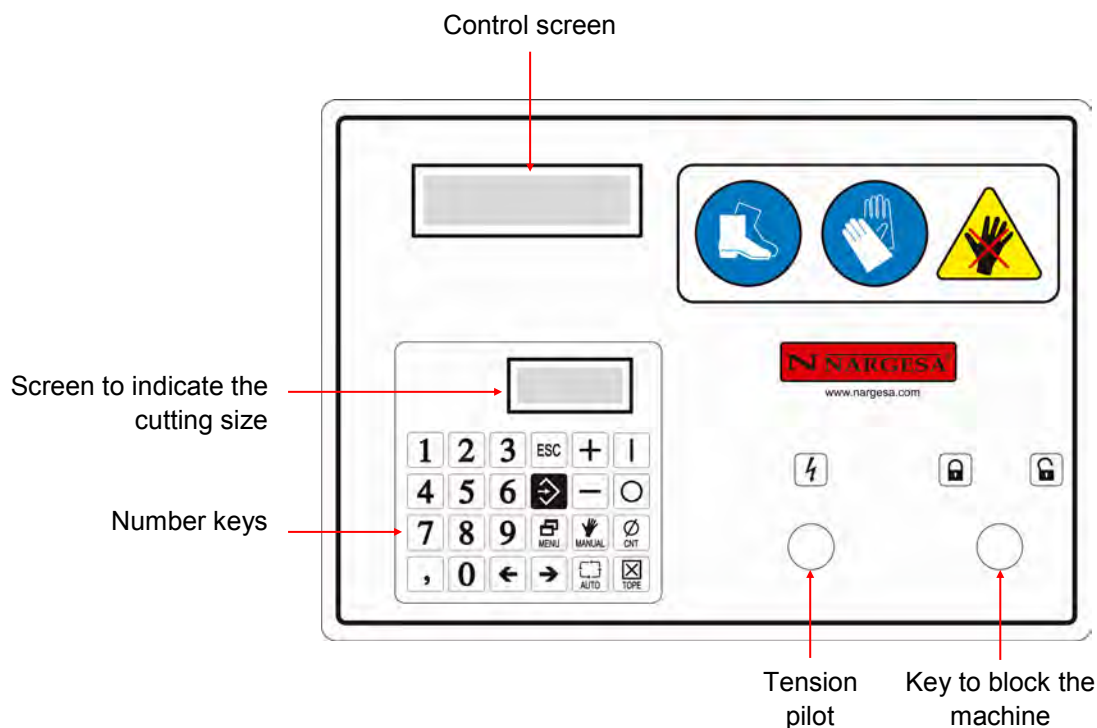
**This machine must be connected to a power supply with ground wire.**

## 5. HANDLING BOOK

### 5.1. Introduction

This manual is designed for the user of the Guillotine C3006, since it has got important information about the use of it and the peculiar features of the machine. Therefore it is advisable to follow step by step the points detailed in this book so a good understanding of its performance could be achieved.

### 5.2. Control panel



	To cancel one operation		Select the going down of the blade manually
	Enter key to validate the insertion of sizes		Select the going down of the blade automatically
	To create the cutting memory or adjust the blades.		Go key
	Navigation keys		Stop key
			Delete the orders
	Keys to edit or remove memories.		In case the top size has to be corrected, do it by using this key with the code: 44223311.

### 5.3. Feeding of the guillotine

In order to power on the machine, it is enough just by set the Go switch in the position of Connected. Then it will show up a label on screen as the one below:



*Picture 8. Message of activation of the machine*

The 7 fragments displays are checked automatically showing a sequence of numbers in regression. Once this routine revision has been carried out all 7 fragment displays will turn off and will deactivate LCD display light at the same time, however the same label of Picture 8 will be seen.

Right now the machine is in a StandBy mode, it happens when it is activated but in rest position awaiting any command the user orders.

### 5.4. Activation of the machine

With the machine already started and in StandBy, it could be activated to work with the steps detailed below.

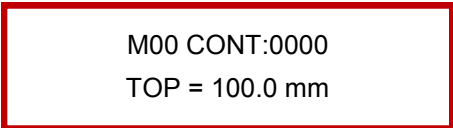
Press the key ON to proceed properly. Once you do it you will see a label like the one below and just in case you finish giving power to the machine as it was described in the section below you will see in the LCD display an initialization label as the one below



*Picture 9. C3006 initialization label*

At the same time it will be seen intermittently in the 7-fragments displays the total length of the top while this is moved at a moderate speed, getting apart from the shears blade in order to be located in the highest working figure. Once this top is located in the indicated positions, then the intermitence of the 7-fragments displays will disappear and these ones will show the value of the top route length.

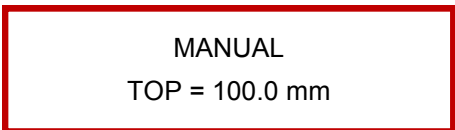
Likewise, there will be a label in the screen showing the following message which will show the in the memory of the current top the cutting meter associated to this memory and the position of the top corresponding to the visualized memory.



M00 CONT:0000  
TOP = 100.0 mm

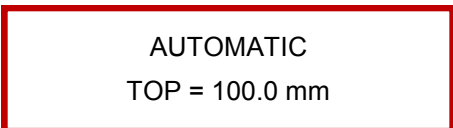
*Picture 10. Information of the top memory 0*

Apart from the information indicated in the previous picture in the upper picture of the LCD display it could be seen the performance way of the shears, intermitently intercalated with the memory of the current top. Such a mode allows to make cutting operations with the shears in both, the automatic mode and the manual mode. So, depending on the performance mode currently selected, it will be seen on the screen a label of Picture 11 or that of Picture 12, intercalated with the one on Picture 10



MANUAL  
TOP = 100.0 mm

*Picture 11. Information of the Shears in manual mode.*



AUTOMATIC  
TOP = 100.0 mm

*Picture 12. Information of the Shears in automatic mode.*

In case the machine hasn't been completely fed then it will show directly in the LCD display all information shown in Picture 10, since in this case it is not necessary that the top goes back to the starting point again on default. Likewise it will be possible to see the current top position of the machine on the 7-fragments display.

### **5.5. Surfing through the top memories**

There are 10 preset memories of the top, all of them with the counter to 0 and the position of the top gradually increased regularly in gaps of 10mm.

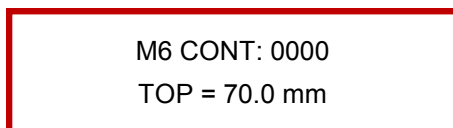
To go through the different memories, it is necessary to press the Navigation keys, silkscreen printed with:



To the pressure of each of these keys there will appear on screen the information according to the current memory of the top.

To find the desired memory faster, keep the Navigations keys pressed for more than 1.5 sec. Keeping the key pressed it will pass to the next memory every 0.25 sec.

An example of a top memory could be the one below:



M6 CONT: 0000  
TOP = 70.0 mm

*Picture 13. Information of the memory of the top 6.*

## **5.6. Positioning the top**

Press the Return key at the sight of Picture 13 for the top to be located in the indicated figure every (70.0 mm)

Once this has been accried out the top will beging it positioning until it reaches the specified figure. We can see the position of it in the 7-fragments display as it is moving. Like this we get to know in real time the location of the top in our shears.

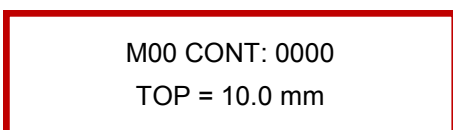
Therefore we can select the desired memory of the top amog the 16 possible ones and once it is displayed on screen, press the return to confirm the top at which it must be set in the figure shown on the screen.

### **5.6.1. Introducing the desired figure**

Despite the 10 preset memories of the top, it is quite probable to require intercalated which are not reflected on these memories.

In order to enter the desired figure just insert the new value for the top positioning by using the number keyboard. Once this value has been inserted, confirm it by pressing the return key, placing the top in the new inserted position.

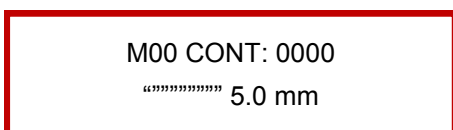
Let's see an example of the steps to follow, with the new inserted figure of 443.2 mm:



M00 CONT: 0000  
TOP = 10.0 mm

*Picture 14. Information of thetop of the memory 0*

At pressing the first number ( 5 in our sample), the message on the screen changes into this other one:

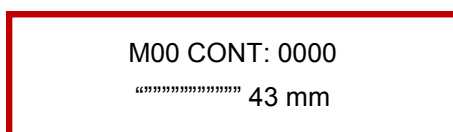


M00 CONT: 0000  
\*\*\*\*\* 5.0 mm

*Picture 15. Inserting a new figure*



Now we insert the second number followed by the third one, shown in this screen:

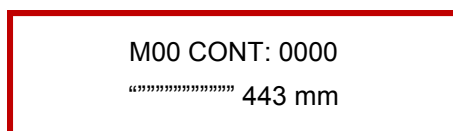


*Picture 16. Inserting the new figure.*



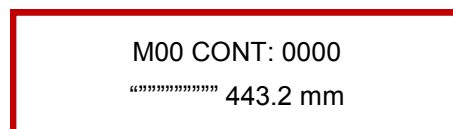
*Picture 17. Inserting the new figure.*

Next we press the key according to the Decimal Point, what enables us to see on the screen what follows:



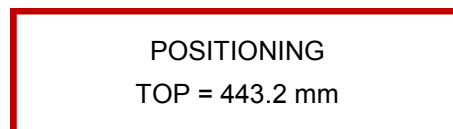
*Picture 18. Inserting a new figure*

Finally, we insert the final number (2, in this example), getting a new figure as it can be seen in Picture 19:



*Picture 19. Inserting a new figure*

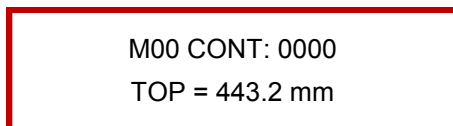
Once these simple steps are carried out, we press the Return Key to confirm the value that has been inserted. Then unless the new inserted figures is not higher than the total length of the top, it could be seen on the LCD displays the information reflected in the following picture:



*Picture 20. Inserting a new figure*

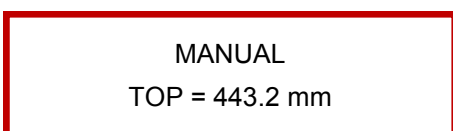
Right now the top will activate moving towards the specified position, what can be seen by taking a look at the 7 fragments display. When the top reaches the desired figure it stops, and it is reflected in the seven fragments displays.

Now that the top is in the new position, the information shown in the display is the one below:



M00 CONT: 0000  
TOP = 443.2 mm

*Picture 21. Information of the memory of the top 0*

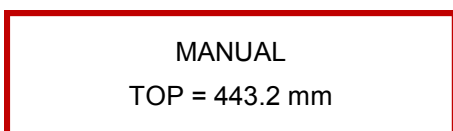


MANUAL  
TOP = 443.2 mm

*Picture 22. Information of the guillotine in manual mode.*

### **5.6.2. Cancelling the introduction of a figure**

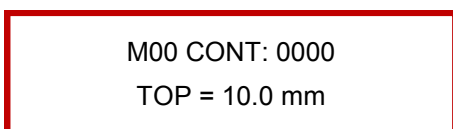
In case we have gone wrong while inserting the new figure we can cancel the operation pressing the ESC key



MANUAL  
TOP = 443.2 mm

*Picture 23. Inserting the new figure.*

When we do that the memory of the current top shows up on screen again, with the value that it had before the modification we were going to make.



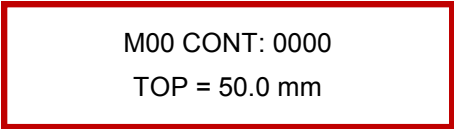
M00 CONT: 0000  
TOP = 10.0 mm

*Picture 24. Information of the memory of the top 0*

### 5.6.3. Considerations to bear in mind

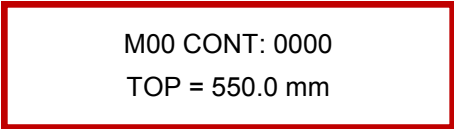
It is impossible to insert a figure higher than the total effective length of the top. It is like that because it is not possible to put the top beyond the physical limits that it has itself.

Therefore, if the total effective length of the top is 500.0 mm, we will see the memory of the current top with the value it had before, although we can insert on the screen a value higher to this one, such as 550.0 mm, when we press the Return Key to confirm the new figure, we see the memory of the current top again with the value that it had before its modification.



M00 CONT: 0000  
TOP = 50.0 mm

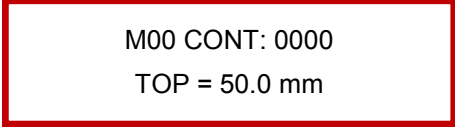
*Picture 25. Information of the memory of the top 0*



M00 CONT: 0000  
TOP = 550.0 mm

*Picture 26. Modifying the memory of the top 0*

When pressing the key return to confirm and due to the fact that the inserted figure is higher to the total (500.0 mm), the top will not move and in the screen we will see the label on Picture 25 again:



M00 CONT: 0000  
TOP = 50.0 mm

*Picture 27. Information of the top memory 0*

### 5.7. Operation mode

As it has been pointed out before, the shears has two modes of performance, in order to make the cutting operations. These are: Manual mode and Automatic mode.

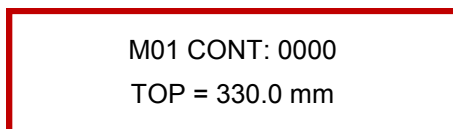
In the memories of the top, the performance mode of the machine is Manual on default. This performance mode is the same for each of the 10 memories the top has and that could be changed if desired. Just follow the steps detailed below if the performance mode of the shears wants to be changed:

If your intention is to work with the machine in the automatic mode, press the AUTO key. Once this has been done you will see how the shears blade will go up til the upper rest position.

If on the other hand your intention is to operate in Manual mode, the only thing to do is to press the Manual key. In this case, unlike the previous one, the blade will not move.

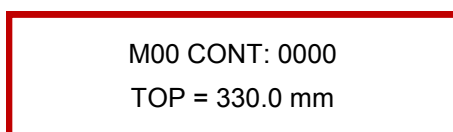
### 5.7.1. Manual mode

If your choice is to make the cutting operations with the shears in Manual mode, then proceed by following the information indicated in the following pictures:



M01 CONT: 0000  
TOP = 330.0 mm

*Picture 28. Information of the memory of the top. 1*



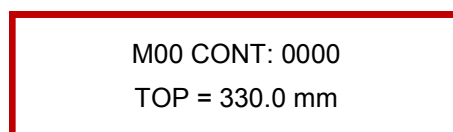
M00 CONT: 0000  
TOP = 330.0 mm

*Picture 29. Information of the shears in manual mode.*

Once the cutting sheet is introduced, press the pedal for the blade to go down. In the manual mode, the blade goes down while you keep the pedal pressed down, in such a way that if you loose it, then the blade changes its movement the other way around and starts going up until it reaches the upper rest position. Then once we get to know this performance principle, if a sheet need to be cut, the user has to press the pedal until the blade reaches the lower position of its vertical route. Once it is there and therefore it has cut the sheet, it won't go up again until you stop pressing the pedal. If you do it the shears blade will start moving until it reaches the upper rest position.

You have to know also that if you press the pedal while the blade is going up, the blade will invert its movement and will go down again.

On the other hand and as a remarkable point, you must be conscious that every time you press the pedal to make one cutting operation, it will automatically increase the cutting meters associated to the memory of the top that is performing. This will show in the following picture:



M00 CONT: 0000  
TOP = 330.0 mm

*Picture 30. The memory meter of top 1 has been increased*

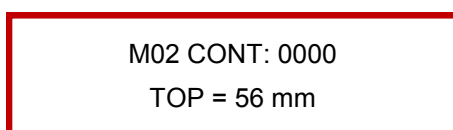
Therefore, if the pedal is pressed several times to make a cutting operation, the counter meter will increase the same number twice, since the machine will take for granted that you have made all those cuts. This kind of performance is based in the need to count all the times the pedal has been pressed, because several times the machine's rented to other people and the rental price depends on the number of cuts made. So the operative will make a reasonable use of it, since the more times he presses the pedal to make the same number of cuts of sheet, the more expensive the rental will be.

If you desire to make more cuts in this same memory of the top, follow the steps described in this section. In case you want to make the steps in different sizes, follow the indications described in section 5.6.1. Introducing the desired figure. And once you have done it make again all steps mentioned in here.

### 5.7.2. Automatic mode

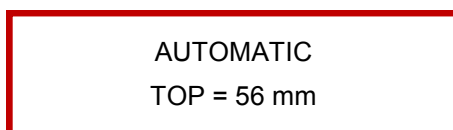
The automatic mode is usually used when multiple cuts on sheet need to be made in the same figure, Since it allows to make these operations with only one action, pressing the control pedal of the blade in the machine.

In order to make more understandable for you, do it by following this example:



M02 CONT: 0000  
TOP = 56 mm

*Picture 31. Information of the memory of the top 2*



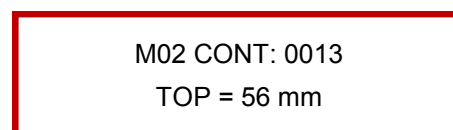
AUTOMATIC  
TOP = 56 mm

*Picture 32. Information of the shears in automatic mode.*

According to the information the LCD shows in both pictures please, insert the sheet you want to cut. Once this step has been made press the control pedal to make the blade goes down above the sheet and make the cut. In this case you can press and loose the pedal, and besides increasing the cuts meter of the memory of the current top in one unit, it will make a whole cutting cycle. That is to say the blade will go down to the lower vertical position cutting the sheet. Once at this point it will go back again automatically up to the upper rest position, and will remain in this position until the pedal is pressed again.

Extrapolating this way of performance to the need of making multiple cuts on the same figure, just press the pedal and keep it like that. If you do it that way the cuts will be sequentially made and the only thing left to do is insert the sheet to be cut.

Working as described, in automatic mode, the cutting meter will be increased in one unit each time the pedal is pressed or, in the case it remains pressed down, then everytime the shears blade reaches the upper part.



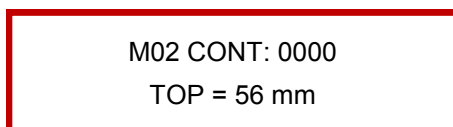
M02 CONT: 0013  
TOP = 56 mm

*Picture 33. The meter of the top memory 2 has been increased.*

### 5.8. Deletion of the cutting meter

Another interesting choice for the machine is the possibility it has to erase the meter for the cutting operations made in the different memories of the top. Therefore, in case the meter requires to be deleted, follow carefully the explanation below.

First and by means of the Navigation keys locate in a place on the top memory which cutting meter is to be deleted.. For instance, locate memory number 2 which shows the following information:

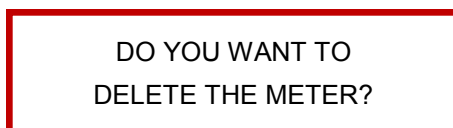


M02 CONT: 0000  
TOP = 56 mm

*Picture 34. Information about the memory of the top 2*

As it could be seen the meter of the top memory nº 2 informs that 13 cutts have been made. In order to eliminate this meter , just press the CNT key.

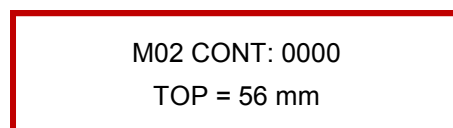
If you do so, a label will show up on the screen with the following information:



DO YOU WANT TO  
DELETE THE METER?

*Picture 35. Access screen to delete the cutting meter.*

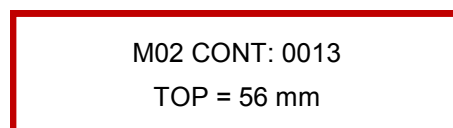
If now you press the Return key, you will be confirming that you want to delete the current meter: it will be deleted and will go back to the current top memory once the meter has put to 0.



M02 CONT: 0000  
TOP = 56 mm

*Picture 36. Information of the memory of top 2 with the meter already deleted.*

If on the other hand, when the message is displayed on Picture 35, you press the Esc key, it will go back also to the current top memory without having deleted the meter.



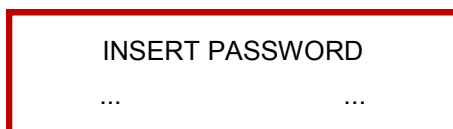
M02 CONT: 0013  
TOP = 56 mm

*Picture 37. Information of the top memory 2 after cancelling the meter deletion*

Therefore, each time you want to delete the meter of the current memory, just follow the steps described in this section.

### 5.9. Correct the top

The choice to correct the top of the machine allows you to make the right adjustment of the top positioning. In order to go on with this operation, whenever you are at any of the ten memories of the top, just press the TOPE Key. When you do that in the LCD display will show the information detailed in the following picture:



*Picture 38. Control screen to accede the correction of the shears top*

Here to be able to accede to the correction of the top, you must insert PassWord 44223311 and press the Return key.

If the password inserted is not the correct one, when you press the return key, the effect will be that one occurring when you press the Esc key, that is to say, it will go back immediately to the memory of the top it was before pressing the TOPE Key to correct the top of the Guillotine.

In case you have inserted the correct PassWord we have indicated, you'll see how it will show up the following message on the LCD display, at the same time the top starts moving looking for the figure detailed in it:



*Picture 39. Information of the positioning of the top for the correction.*

Likewise, the top will move to locate on the figure 100.0 mm (Correction figure), its current position could be seen in the 7 fragments display. In the moment the top reaches that figure, it stops and in the screen it will show up a label like the one below:



*Picture 40. Pantalla para introducir la corrección del tope*

When you spot the previous message you should check up if the top is really at figure 100.0mm, helped by an accurate tool. If it is so, then just press the Return key to confirm the correction.

In case the current figure is different from 100.0mm, it is necessary to insert the figure you have inserted and press the Return Key to confirm the correction.

When you do that the machine will re-start following the process described in section 5.3. Feeding of the Guillotine C3006

Once this operation is finished if you want to try again the accuracy of the Top, you can follow the steps described up to now in that same section.

On the other hand if when you see the message in Picture 33, you press the Esc key, it go back to the memory of the top where it was before the machine top correction was made.

### **5.10. Menus of the block**

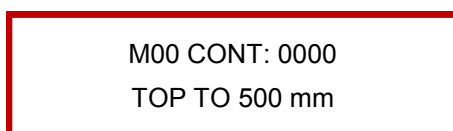
Apart from the so mentioned 10 memories of the top, the Guillotine C3006 has 50 blocks of memory. Each of them may have a maximum of 10 cells and at the same time each of these cells may store a cutting figure for the top.

The blocks have no cells on default, so it is you the one to create them according to your needs. It works like that due to the great variety of combinations that might be required as for cutting figures when using the machine. It is due to this reason that it will be much more practical to work with the blocks you desire, and that have been created according to the work to be made, than to have blocks already created which will not fit your needs and that will have to be modified sooner or later.

Definitely and in such a way that it could be easier to grasp, you should understand the blocks as a set of top memories that are grouped among them and which allow the user, once they have been created, to make different cuts on a same sheet, with no need to insert a new working figure after each cutting operation.

Now that you know the utility and basic composition of the blocks of memories, follow carefully the next explanation where it is sharply detailed how to accede and work with them.

Locate on each of the 10 memories of the top you have, in such a way that you can see on the LCD display one information as the one in the picture below:



*Picture 41. Information of the memory of the top. 0*

Once you do this, press the MENU key and you will see as the information shown on the screen changes from the one shown in the previous picture into this other one:



*Picture 42. Access screen for the menu to operate with blocks*



What can be seen now on the LCD display, is obviously, the screen to accede the menu to operate with blocks. However, if instead of pressing the Return key, you press any other Navigation key, you'll see that you can move into the menu in order to edit the blocks shwown below:



*Picture 43. Access screen to accede the menu and edit blocks.*

And a third menu which comes to be useful for allowing you to make the adjustmen of the guillotine blades, as we are going to be able to notice later on.

Through this simple way, you can accede and go into both blocks menus the machine offers.

So, we advise you to pay attention to the following comments, in order to familiarize with the menus, aiming at having a better understanding on how useful the machine can be.

Finally, bear in mind that in case you wish to go back to the memory of the top you were before acceding the blocks menus, just press the ESC key and you will achieve it.

#### **5.10.1. Menu to edit blocks**

This menu is useful for editing the different blocks the Guillotine C3006 has, that is to say, it allows you to create cells and introduce the different positions of the top to make a whole sequence of sucessive cuts, as well as defining the perfomance mode of these, Manual or Automatic.

#### **5.10.2. Selection of the block**

Taking as a reference the information shown in picture 43 if you press the Return key you will be able to accede the menu to edit blocks The screen below will show up when you accede the menu:



*Picture 44. Detail of the starting screen of the menu to edit blocks*

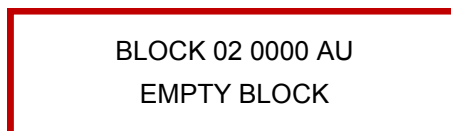
In this screen you can make the selection of the block you desire to edit among the 50 ones available, by pressing the arrow keys on the keyboard:

The selected block will appear on screen at each pressing made on these keys. In order to find quicker the desired block, just keep the key pressed for more than 1.5 Sec. As you do so, every 0,25 ses it will go to the next block or the block before.

Once the block to be edited has been selected, it is required topress the Return key. When you do that the information according to this block will appear on screen.

The 50 existent blocks have the cuts meter set to zero on default, Automatic cuttin mode and no defined cell.

We advise you to follow the sample below so you can have an easier understanding of the blocks edition:



*Picture 45. Information about the block edition 2*

In the upper row of the previous screen you can see the number of the block being edited at the moment. The cutting meter set to 0 on default is located at the right side of it, and then there is the performance mode of the block.

(AU = Automatic or MA = Manual). The lower row indicates that there is no defined cell. In case it was any defined cell in the edited block, the lower row of the LCD display will show the first cell.

### **5.10.3. Definition of the performance mode**

As it was already exposed in section 5.7. Operation mode there are two operation modes that can be applicable to the carrying out of the different cutting operations. These modes extrapolate beyond the simple operation in the top memories and have also their function in the memory blocks.

Some of them set the differences in the performance of the shears when the user presses the pedal in order to make the cuts on the metal sheet. Moreover, when working with blocks, the performance of the different operations comes to be something different from how it used to be made in the top memories, when it comes to Automatic mode.

In order to make clear any doubt regarding the two existent modes of performance, just follow the information below:

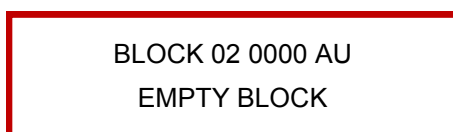
*Manual performance mode:* The guillotine blade goes down while you keep pressed the control pedal. When you let it loose, the blade stops. If the pedal is pressed, once the blade reaches the lower position and the top is in the new cutting figure, the blade remains in this position awaiting the pedal to be released which controls its movement. When we do that it goes up til the upper rest position. Besides, if the pedal is pressed while the blade is going up, this will invert its movement and it goes down again until the cutting position.

*Automatic performance mode:* For the blade to be able to go down and make the cutting operation on the sheet it is necessary to press and release the pedal, since if it isn't released, the blade will remain still. Once the blade reaches the descent maximum position and cuts the sheet off the top will go to a new working figure and the blade starts to move upwards if the pedal is not pressed until it reaches the upper rest position. If the control pedal of the blade is pressed while this one is going up, the blade will stop waiting for the pedal to be released, it is then when the blade will go down again to make a new cut.

Now that you know the peculiarities of each performance modes of the shears, you should know how use each of them as required.

As it has said in the previous section, the 50 existent blocks have been preset for its performance in automatic mode, because it more usual to work with memory groups. Nevertheless, you can change this performance mode for the Manual one.

In order to do get to know how to use both performance modes available correctly, go to a block and edit it.  
The screen showing up must indicate the information similar to the one below:

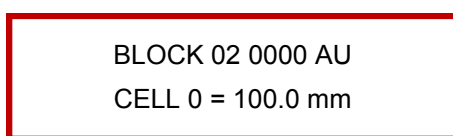


*Picture 46. Information about the edition of block 2*

Once we reached this point press the Manual and Automatic keys and if you see the upper right part of the LCD screen, you will notice as it is commuting the performance mode according to the key you are pressing.

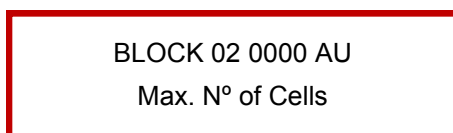
#### **5.10.4. Adding cells**

In order to add one cell to the block you are editing it is enough just by pressing the key +. It is to bear in mind that each new cell added will be always inserted next to the current one and with a top position of 100.0mm on default. If the block is empty, the cell to be added is the first one on the block.



*Picture 47. Adding a new cell to the current block.*

You can repeat these steps and keep on adding new cells, but you must be concious that there is a limit. Therefore if you try to add a number of cells higher than 10, the operation won't be permitted and an error message will appear in the lower row of the LCD display, just like the one shown in the follwing picture, during one second time. Once the message has dissapeared, the lower row of the display will show the current cell again.

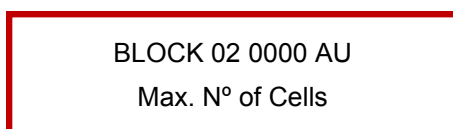


*Picture 48. Attempt to insert more than 10 cells per block*

#### 5.10.5. Eliminating cells

In order to delete one cell of the block you are editing just press the key (-) . It is to bear in mind the fact that the eliminated cell which is displayed in the lower row of the LCD display, will be moving automatically the cells next to the one eliminated.

If you try to eliminate any cell when the block is empty, the operation won't be able to be carried out and it will appear on the low row of the LCD display an error message like the one shown in the following picture, during 1 sec time. Once this error message disappears, the lower row of the LCD display will show a message indicating that the block is empty again.



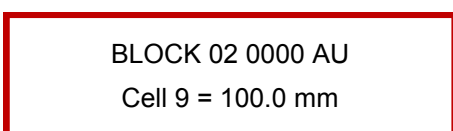
*Picture 49. Attempt to eliminate cells with the block empty.*

#### 5.10.6. Edition of cells

Despite the fact that when adding cells this are preset to put the top to 100.0mm, it is quite probable to require intermediate figures which are not reflected in these memories.

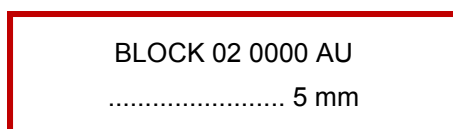
So, to enter the desired figure it is enough just by inserting the the new value for the top positioning using the number key. Once the desired value has been introduced, press the Return key to cofirm the new position.

Let's see an example of the steps to follow, the new figure is 443.2 mm:



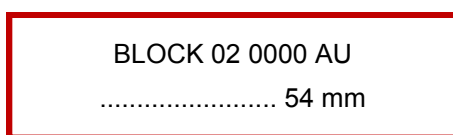
*Picture 50. Edition of the memory block 2*

When pressing the first number (5 in this case), the message on screen changes into this other one.



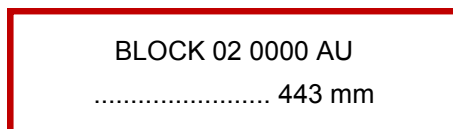
*Picture 51. Inserting a new figure*

Then insert the second number (4), followed by the third one (3), these are shown on screen:



BLOCK 02 0000 AU  
..... 54 mm

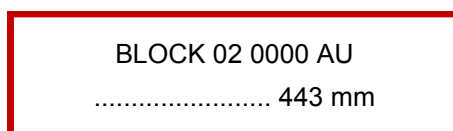
*Picture 52. Inserting a new figure*



BLOCK 02 0000 AU  
..... 443 mm

*Picture 53. Inserting a new figure*

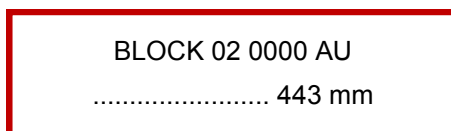
After press the key according to the Decimal point and it will be seen on screen what comes below:



BLOCK 02 0000 AU  
..... 443 mm

*Picture 54. Inserting a new figure*

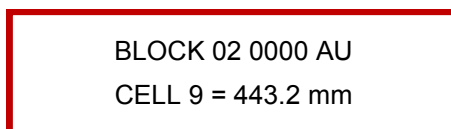
Finally insert the last number (2, in this case), you will get a new figure, as it can be seen in Picture 55:



BLOCK 02 0000 AU  
..... 443 mm

*Picture 55. Inserting a new figure*

Once these simple steps are made, press the Return key to continue in order to confirm the inserted value. You could see on the display the information shown in the picture below, whenever the new inserted figure is not higher than the top length:



BLOCK 02 0000 AU  
CELL 9 = 443.2 mm

*Picture 56. Detail of block 2 with the new figure in cell nº 9*

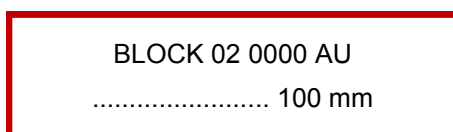
Any time you want to cancel the operation while you are inserting a new figure, just press the ESC key. Then you will see the block again on the screen, as well as the cell you were before deciding to insert a new figure.

### 5.10.7. Deletion of the cutting meter

Another interesting choice of this machine is the chance it gives you to delete the cuts meter from the different blocks. It is to be kept in mind in this case that the meter will indicate the number of times the machine has completed one given block, that is to say. It doesn't show the number of cuts according to the amount of cuts of sheet made but according to the, complete blocks that have been carried out.

Knowing this peculiarity and according to the action naming this section, follow the information below if you want to delete the counter:

First of all, go to the edition mode on the block from which you want to remove the cuts meter. For instance, find block number 2, which shows the following information:

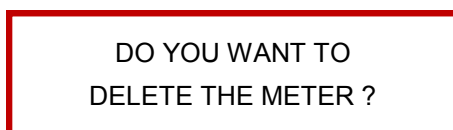
A screenshot of a screen displaying the information for memory block 2. The text is centered and reads: "BLOCK 02 0000 AU" followed by a dotted line and "100 mm".

BLOCK 02 0000 AU  
..... 100 mm

*Picture 57. Information from memory block 2*

As you can see, the meter of the memory block n° 2 informs that this has been completed only once. In order to eliminate this meter, just press the CNT key.

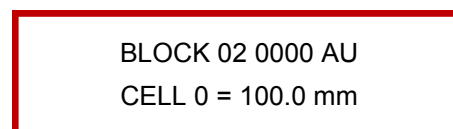
If you do so, you will see a message with the information below appearing in the screen:

A screenshot of a screen displaying a confirmation message. The text is centered and reads: "DO YOU WANT TO" followed by "DELETE THE METER ?".

DO YOU WANT TO  
DELETE THE METER ?

*Picture 58. Access screen for the deletion of the meter of cuts*

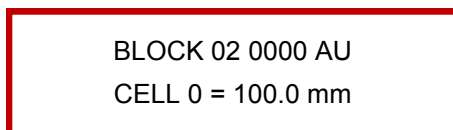
If now you press the Return key you will be confirming that you want to delete the current meter, you will erase it and will go back to the current block and cell but with the meter already set to 0.

A screenshot of a screen displaying the information for memory block 2 after the meter has been deleted. The text is centered and reads: "BLOCK 02 0000 AU" followed by "CELL 0 = 100.0 mm".

BLOCK 02 0000 AU  
CELL 0 = 100.0 mm

*Picture 59. Information of the memory block 2 with the meter already deleted.*

If on the other hand you press the Esc key while you are seeing the message of picture 58 on screen, you'll go back to the current block and cell but without having deleted the meter.



BLOCK 02 0000 AU  
CELL 0 = 100.0 mm

*Picture 60. Information from the memory block 2 after cancelling the deletion of the meter.*

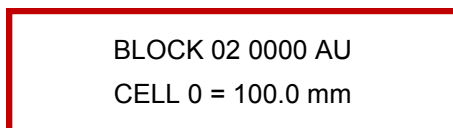
Therefore, each time you wish to erase the meter of the current memory block, just follow the steps described in this section.

### **5.11. Menu to operate blocks**

This menu allows you to make sequences of cuts previously set through the edition of the different existent blocks. As it has been previously commented each block has 10 cells as much, the maximum sequence of cuts has also a max. Capacity of 10 successive cuts. We have also to keep in mind that the performance mode (Manual or Automatic) is the same for all cells in the same block.

#### **5.11.1. Block selection**

The following screen appears when acceding the menu for operating with blocks:



BLOCK 02 0000 AU  
CELL 0 = 100.0 mm

*Picture 61. Detail of the starting screen of the menu for operating with bloc*

In this screen you can make a selection of the block you desire to operate with, pressing the arrow keys on the keyboard:

There will appear the selected block at each pressing of these keys. In order to find the desired block quickly, keep the key pressed for more than 1.5sec. Keeping the key pressed, every 0.25 sec it will go to the next or the previous block.

Once the desired block has been selected, press the Return key, and you will start working with this block. In case this selected block hasn't got defined cells in the LCD display will appear one error message during 1 sec indicating that the block is empty.



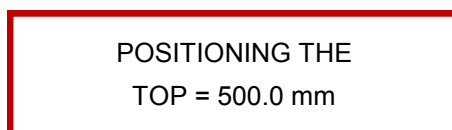
ATTENTION  
EMPTY BLOCK

*Picture 62. Attempt to with a block without defined cells*

When the error message disappears the menu for the selection of the block to work with will show up again.

### 5.11.2. Operating with one block

When working with a given block, the Guillotine C3006 gets the top in the position according to the value in the first cell of this block. During this process the positioning message will show up on the LCD screen.

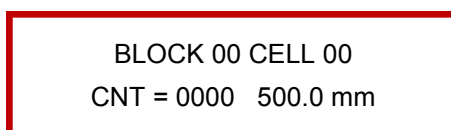
A rectangular LCD screen with a red border. The text on the screen is centered and reads: "POSITIONING THE" on the first line and "TOP = 500.0 mm" on the second line.

POSITIONING THE  
TOP = 500.0 mm

*Picture 63. Positioning of the top*

It is to bear in mind that the position value appearing in the lower row will change in each case depending on the position that the top is going to be set.

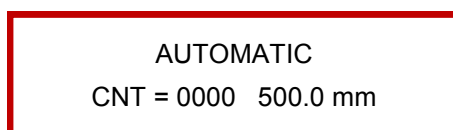
Once the top has been set, it will appear the information regarding the first cell of the block that has been operating with. There is an example in the following picture:

A rectangular LCD screen with a red border. The text on the screen is centered and reads: "BLOCK 00 CELL 00" on the first line and "CNT = 0000 500.0 mm" on the second line.

BLOCK 00 CELL 00  
CNT = 0000 500.0 mm

*Picture 64. Information regarding the working block and cell.*

As you can see, there are the block and cell operating with in the upper row, indicated in the lower part of the LCD display, the cuts meter of the block and the position of the top in the current cell. The block performance mode, (Manual or Automatic) shows up intermittently in the upper part of the LCD display.

A rectangular LCD screen with a red border. The text on the screen is centered and reads: "AUTOMATIC" on the first line and "CNT = 0000 500.0 mm" on the second line.

AUTOMATIC  
CNT = 0000 500.0 mm

*Picture 65. Detail of the performance mode of the working block.*

At this moment what's left is just to make the cut, the performance mode from which it will change according to the defined performance mode (Manual or Automatic).

Something to keep in mind is that, apart from the performance mode, (Manual or Automatic), the positioning of the top in the figure indicated by the next cell will be performed whenever the blade finishes the descent movement. Without making the ascent movement. This one will only go up when the top has reached the correct working position.

When the Guillotine C3006 reaches the cutting lower position (after making the descent movement according to the last cut made), the acoustic pilot activates in order to indicate the end of the block. At this moment the cuts meter also increases and the top goes to the first block cell again.



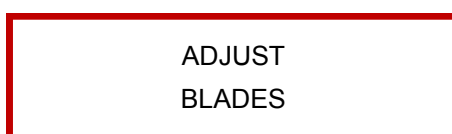
## 6. ADJUSTMENT OF THE BLADES

Whenever you are in any of the 10 preset memories of the top, you can accede to the menu for the Blades adjustment. In order to do that just press the Menu Key. Then you'll see the following message in the display:



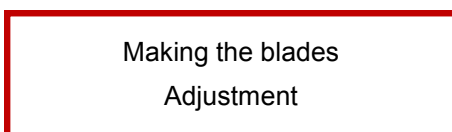
*Picture 66. Access screen for the Menu to operate with blocks*

Now with the help of the navigation keys go to the option indicated in the following picture:



*Picture 67. Access screen for the menu to adjust blades.*

When you see this information press the Return key and you will accede the menu to make the blades adjustment, the following message will show up on screen:



*Picture 68. Information screen for the blades adjustment.*

In order to make the blades adjustment of the machine just press the pedal for the big cutting part to descend gradually. If you stop pressing the pedal while it is going down, this one will stop. You may go on with the adjustment by fastening the pedal again.

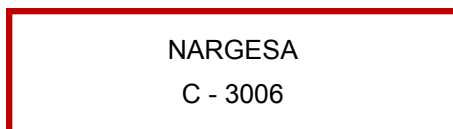
Know that once you have reached the lower rest position of the big cutting part, this one will not go on descending even if you keep the pedal pressed. Likewise, while you keep the pedal pressed, you will never get it back to the upper rest position. So press the Return and Esc keys whenever the pedal is not pressed.

When you press the Return key, the big cutting part will move upwards until it reaches the upper rest position, whenever the pedal is not pressed. If you do so this part will descend again while the pedal is pressed. Once this part has reached the upper rest position, you could check up again the blades adjustment repeating the steps previously described.

If on the other hand you press the ESC key, the big cutting part will make an upwards movement until it reaches the upper rest position. In this case, it doesn't matter if you try to press the pedal since the actions you perform with it are not to be taken into consideration at the moment. Moreover, when the big cutting part is in its correct position, it automatically will go back to the preset top memory in which it will be before acceding to the menu for adjusting the blades.

## 7. STANDBY OF THE MACHINE

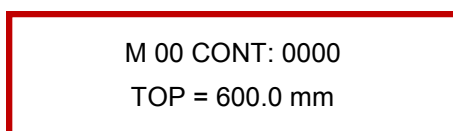
The StandBy mode is basically when the C3006 keeps the supply but it is inactive. That is to say, it is like “asleep”. Besides, here the 7 fragments displays are deactivated and you could see a message like the one below:



*Picture 69. Indication of the Standby mode of the machine*

In order to get to it, just press the Off key of the keyboard anytime, you will automatically deactivate the 7 fragment displays and the message read before will appear with the backlight of the deactivated LCD.

If you wish to activate the C3006 again, just press the ON key and you will automatically see the memory of the current top displayed on screen, as it is shown in the following picture without initializing the top.



*Picture 70. Information of the memory of the top 0*

## 8. UNUSUAL PERFORMANCE SITUATIONS

An unusual performance situation may happen anytime, and that includes the stop of any operation being carried out at that moment.

Unusual performance situations are divided into three big groups, Emergency situations, Shock situations and Error situations. Below you will find in detail the specific situations that lead to each of these three big groups:

Emergency situations:

- Activation of the Emergency Stop button.

- Interruption of the safety barrier.

Shock situations:

- Shock of the machine through the corresponding Shock key.

Error situations:

- Error in the upper route end of the blade.

- Error in the lower route end of the blade.

- Error in the Encoder reading.

So in case of having any of the previously described situations, the Guillotine C3006 goes to such a state that it aborts any operations that's being carried out at the moment, deactivating the 7 fragments displays and showing up a message on the screen indicating the unusual situation that has happened.

For safety reasons the new activation of the machine is not permitted until the unusual situation has been eliminated. In case of the emergency situations or Shock, it could be solved out just by reestablishing the emergency stop so that the safety barrier is not interrupted anymore or the machine is unblocked by using the key according to each particular case. Once the unusual situation has been solved out the C3006 will restart completely and enters in the StandBy mode (for a further activation see section 5.4. activation of the machine).

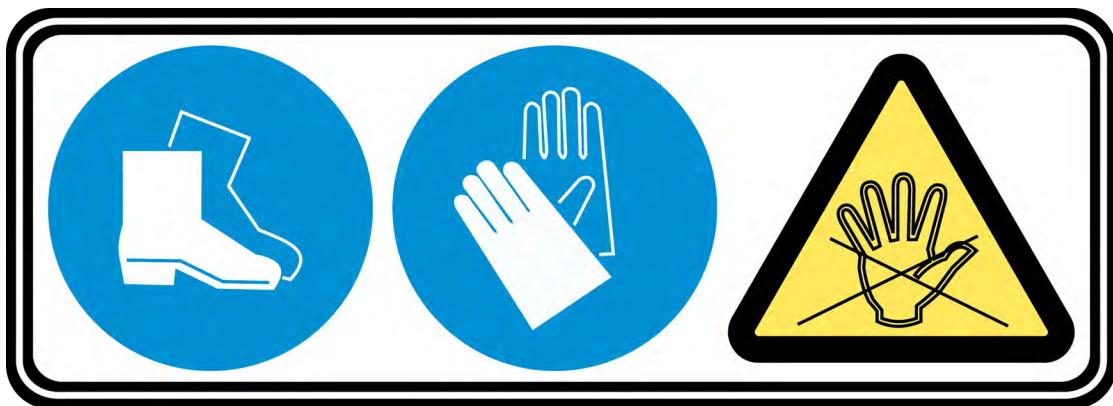
If an error situation occurs, the machine remains stopped to prevent from any possible damage or hazardous situations for the users and it will show up the message on screen. In this case, the machine can be unblocked only by unplugging it from the electrical supply and connecting it back again after. However in case of facing an error situation, we advise you not to hesitate at calling our Technical Service so the problem gets its fastest solution.

## 9. WARNINGS

- Do not handle any component with the machine activated.
- Do not use the machine for any other purpose but the ones described in this manual.
- Wear safety gloves for handling the machine components during the cutting processes.
- Wear safety glasses and safety shoes homologated by CE.
- Do not work without the protections provided by the machine.
- Do not use cutting tools that are not provided by NARGESA.
- Do not cancel any protection device provided by the machine.
- NARGESA SL will not accept any responsibility if an accident occurs due to a negligent use of the machine on the operative's side or for not bearing in mind the usage and safety rules described in this manual.

Description of the machine signals.

- Prohibition of placing hands.
- Compulsory wearing of safety shoes.
- Compulsory wearing of protection gloves.



## **10. ACCESORIES**

The main element for which this machine has been designed is the cutting of different kinds of metal sheet.

The blades are treated by various processes, which reinforces its liability and resistance at a normal use condition.

The guillotine C3006 has and upper blade and a lower blade each of them has got four exchangeable cutting corners.

The adjustment between the two blades should be 0.1 mm.

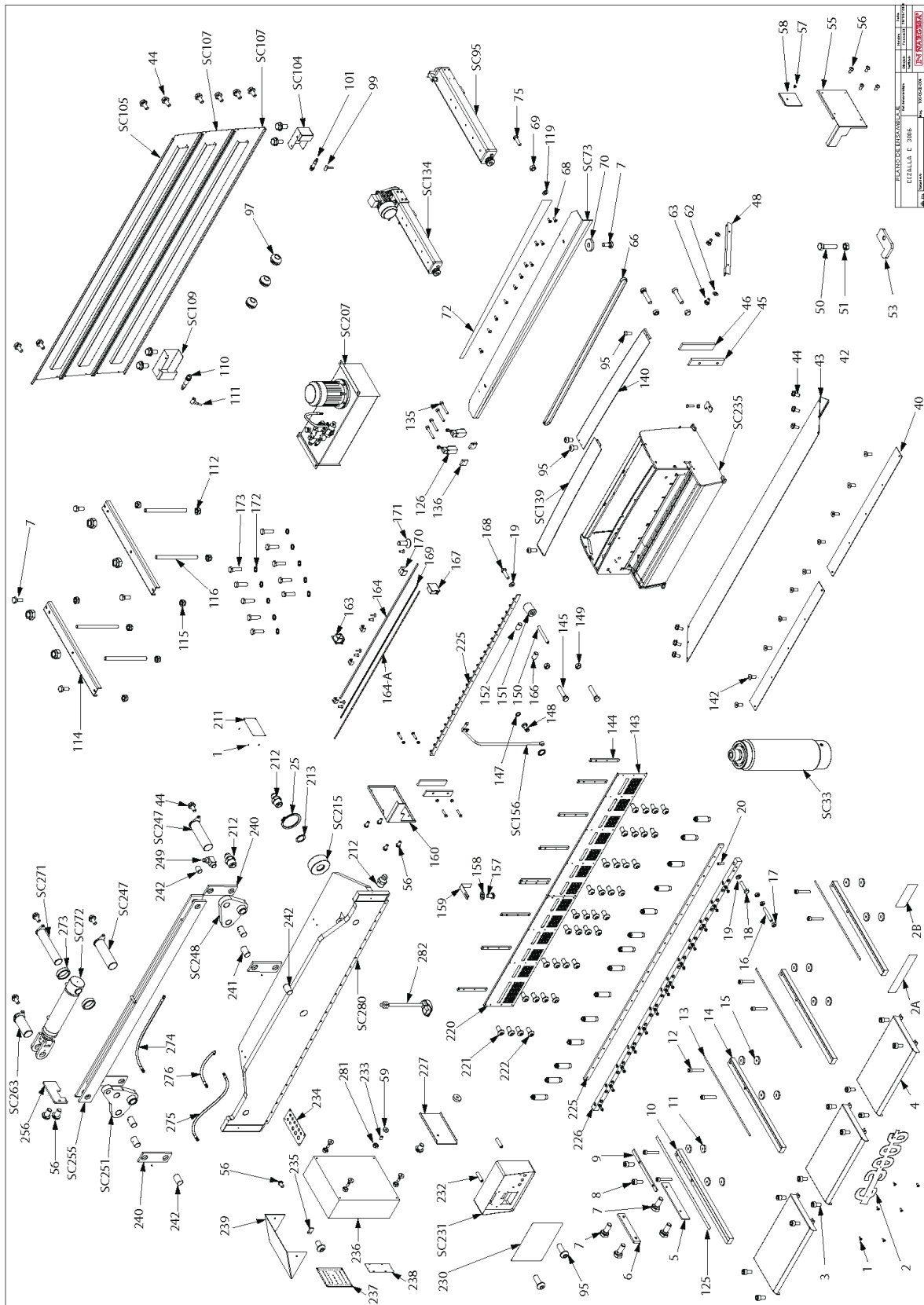
## **Technical annex**

### Hydraulic shear C3006

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List of parts  
Electric maps  
Hydraulic map

## A1. List of parts



ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
1		REMACHE CLAVO DIN 7337 DE A1 Ø3x8	020-D7337-3X8	7
2		LETRAS C 8008	120-06-02-00722	1
2A		CALCA NARGESA	122-CAL-0601-003	1
2B		CALCA ADVERTENCIAS CIZALLA	122-CAL-0601-004	1
3		TORNILLO ALLEN DIN 912 M10X20	020-D912-M10X20	18
4		MESA DE TRABAJO	120-06-02-00356	3
5		PASAMANO LATERAL GUIA ENTRADA	120-06-02-00372	1
6		PASAMANO TRASERO GUIA ENTRADA	120-06-01-00721	1
7		TORNILLO HEXAGONAL DIN 933 M10X25	020-D933-M10X25	12
8		TORNILLO ALLEN DIN 912 M8X20	020-D912-M8X20	2
9		SEPARADOR	120-06-02-00412	1
10		PASAMANO CON CINTA METRICA SOPORTE CHAPAS	120-06-02-00721	1
11		ARANDELA GRUESO PASAMANO CHAPAS	120-06-02-00354	4
12		TORNILLO ALLEN DIN 912 M10 X60	020-D912-M10X60	8
13		REGLA MILIMETRADA DELANTERA	122-06-01-CAL-001	4
14		PASAMANO SOPORTE CHAPAS DERECHO	120-06-01-00558	3
15		ARANDELA GRUESO PASAMANO CHAPAS Ø48xØ10.5x8	120-06-02-00353	12
16		VARILLA REGULACION CUCHILLA	120-06-02-00338	14
17		TUERCA DIN 934 M14	020-D934-M14	42
18		TORNILLO HEXAGONAL DIN 931 M14X65	020-D931-M14X65	25
19		ARANDELA DIN 125 1B M14	020-D125B-M14	50
20		TORNILLO ALLEN DIN 912 M16X50 8.8 PAVONADO	020-D912-M16X50	14
SC33		CONJUNTO PISOR CARRERA 22 mm	130-06-01-00508	15
40		CHAPA DELANTERA MESA	120-06-02-00340	2
44		TORNILLO HEXAGONAL DIN 9321 M8X16	020-D9321-M8X16	26




ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
45		PASAMANO GUIA TRANCHA	120-06-02-00317	2
48		PASAMANO GUIA TRANCHA	120-06-02-00335	2
48		ANGULO SOPORTE CHAPA SALIDA	120-06-01-00523	2
50		TORNILLO HEXAGONAL DIN 933 M24X100	020-D933-M24X100	4
51		TUERCA DIN 934 M24	020-D934-M24	4
55		TAPA LATERAL DERECHA	120-06-02-00580	1
56		TORNILLO ALLEN CABEZA REDONDA ISO 7380 M6X12	020-I7380-M6X12	18
57		TORNILLO ALLEN ISO 7380 M8X10 8.8 PAVONADO	020-I7380-M8X10	3
58		TAPA CABLES DERECHA	120-06-01-00570	1
62		ARANDELA DIN 125 B M10	020-D125B-M10	8
63		TORNILLO HEXAGONAL DIN 933 M10X16 8.8 PAVONADO	020-D933-M10X16	4
66		CORREA DENTADA HTD 3808-8M-20	030-CD-00010	1
68		TORNILLO ALLEN DIN 7991 M6X20	020-D7991-M6X20	12
69		TUERCA DIN 934 M6	020-D934-M6	14
70		ARANDELA INFERIOR CHAPA TOPE Ø35XØ10.5X6	120-06-02-00720	4
72		CHAPA FRONTAL TOPE C3006	120-06-02-00715	1
SC73		CONJUNTO CHAPA TOPE C-3006	130-06-02-00505	1
75		TORNILLO HEXAGONAL DIN 933 M6X25	020-D933-M6X25	2
SC95		TOPE CONDUCCION C3006	130-06-02-00501	1
97		PASAMURO DE GOMA Ø6XØ10XØ13	050-PSM-00001	7
99		CONECTOR M12 ACODADO CABLE 10 MTS	050-CNT-00002	1
101		RECEPTOR FOTOCELULA	050-FTR-00001	1
SC104		CONJUNTO PROTECCION CELULA SEGURIDAD IZQUIERDA	130-06-02-00324	1
SC105		CONJUNTO TAPA TRASERA SUPERIOR	130-06-02-00474	1
SC107		CONJUNTO TAPA TRASERA	130-06-02-00473	2

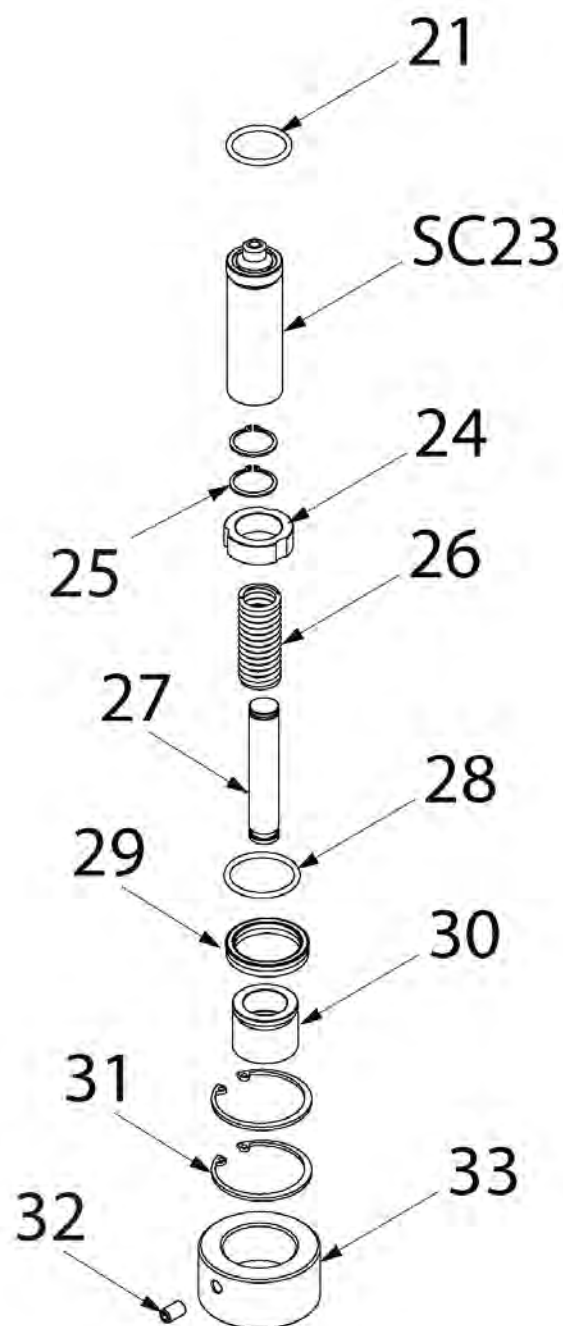
ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
SC108		CONJUNTO PROTECCION CELULA SEGURIDAD DERECHA	130-08-02-00323	1
110		CELULA SEGURIDAD	050-FTE-00001	1
111		CONECTOR M12 ACODADO 90 MTS	050-CNT-00001	1
112		TUERCA DIN 985 M18	020-D985-M18	8
114		SOPORTE GRUPO HIDRAULICO	120-08-02-00505	2
115		TUERCA AUTOBLOCANTE DIN 985 M10	020-D985-M10	4
116		VARILLA SUSTENTACION GRUPO HIDRAULICO	120-08-02-00330	4
118		ARANDELA BISELADA DIN 125 B M6 PAVONADA	020-D125B-M6-P	12
128		FINAL DE CARRERA CON RUEDA	050-FC-00003	2
134		ACCIONAMIENTO FINAL DE CARRERA TOPE	120-08-02-00724	1
SC134		TOPE MOTRIZ C3006	130-08-02-00500	1
135		TORNILLO ALLEN DIN 912 M4X30 PAVONADO	020-D912-M4X30	6
136		SOPORTE MICROS	120-05-05-00088	2
SC138		CONJUNTO TAPA SUPERIOR IZQUIERDA	130-08-02-00506	1
140		TAPA SUPERIOR DERECHA	120-08-02-00717	1
142		TORNILLO ALLEN DIN 7991 M6X16	020-D7991-M6X16	10
143		CHAPA PROTECCION FRONTAL DERECHA	120-08-02-00548	1
144		SOPORTE CHAPA PROTECCION FRONTAL	120-08-01-00550	9
145		TORNILLO AJUSTE TRANCHA	120-08-02-00425	8
147		JUNTA METAL GOMA 1/2"	040-JMG-00001	5
148		TORNILLO PARA ESFERA DE 1/2"	040-TES-012	1
149		TUERCA HEXAGONAL DIN 934 M22X1 C5	020-D934-M22X1 C5	8
150		SOPORTE REDONDO DEL HILO	120-08-01-00577	2
152		ESPIGA ALLEN DIN 913 M6X8	020-D913-M6X8	2
SC158		TUBO PISONES	130-08-01-00514	1

ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
157		TORNILLO ALLEN ABOMBADO ISO 7380 M8X10	020-I7380-M8X10	2
158		ARANDELA DIN 125-B M6	020-D125B-M6	5
159		TENSOR INTERMEDIO HILO	120-06-02-00583	1
160		TAPA LATERAL IZQUIERDA	120-06-02-00558	1
163		Tapa Lateral Con Agujero	050-GEN-00021	1
164		Perfil Porta Led	050-GEN-00023	1
164-A		Tira Led 20W Metro	050-LED-00004	1
167		Tapa Lateral Sin Agujero	050-GEN-00020	1
168		TORNILLO HEXAGONAL DIN 931 M14X50	020-D931-M14X50	25
169		Difusor Transparente	050-GEN-00024	1
170		Soporte Perfil Led	050-GEN-00022	6
171		TORNILLO ALLEN DIN 7991 M3X8	020-D7991-M3x8	12
172		ARANDELA GLOWER DIN 127 M12	020-D127-M12	10
173		TORNILLO HEXAGONAL DIN 931 M12X60	020-D931-M12X60	10
SC207		CONJUNTO GRUPO HIDRAULICO	130-08-02-00305	1
211		PLACA CARACTERISTICAS C-3006	122-06-02-00500	1
212		ENGASADOR DIN 71412 M8 RECTO	020-D71412-00002	8
213		ARANDELA GRUESO PATIN 42X30X1	120-06-01-00130	2
SC216		CONJUNTO PATIN	130-06-02-00504	2
220		CHAPA PROTECCION FRONTAL IZQUIERDA	120-06-02-00548	1
221		TORNILLO ALLEN CABEZA REDONDA ISO 7380 M8X25 PAVONADO	020-I7380-M8X25	18
222		TORNILLO ALLEN CABEZA REDONDA ISO 7380 M8X12 PAVONADO	020-I7380-M8X12	18
223		VARILLA CUADRADO PISONES	120-06-02-00532	1
225		CUCHILLA DE CORTE	140-06-02-00001	2
226		PASAMANQ SOPORTE CUCHILLA	120-06-02-00311	1



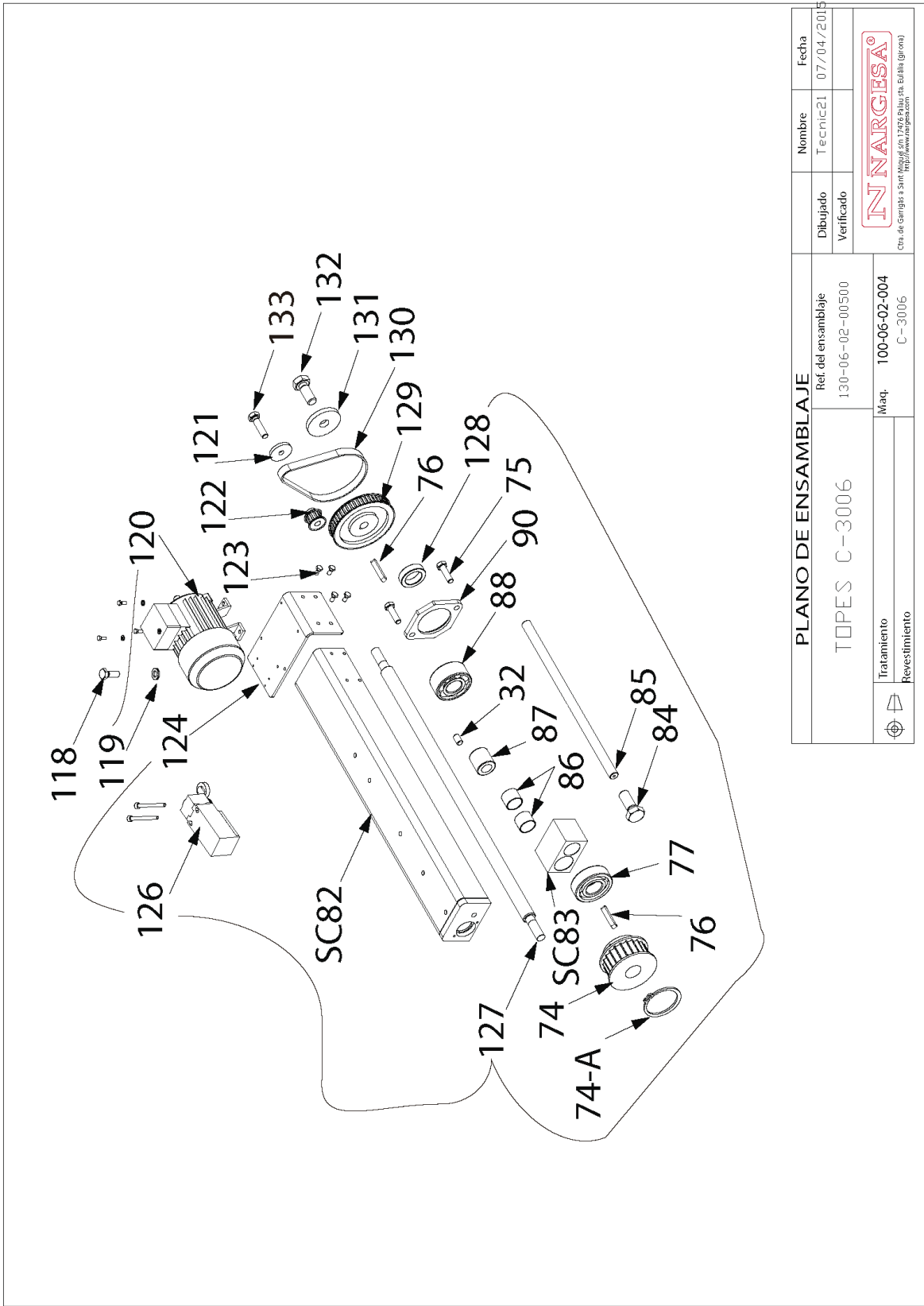
ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
227		TAPA CABLES IZQUIERDA	120-06-02-00570	1
230		CALCA FRONTAL CIZALLA	122-CAL-0601-001	1
SC231		CUADRO DE MANDOS FRONTAL	130-06-01-00506	1
233		ESPARRAGO ALLEN DIN 913 M8X20	020-D913-M8X20	4
234		CHAPA PRENSAESTOPAS	120-06-01-00723	1
SC235		ESTRUCTURA CIZALLA C-3006	130-06-02-00456	1
236		KIT INSTALACION ELECTRICA C-3006	050-KIE-0602-002	1
237		CHAPA INTERIOR CUADRO ELECTRICO	120-06-01-00722	1
238		CHAPA FUENTE ALIMENTACION 24 V.	120-06-01-00724	1
239		PROTECCION CABLES ELECTRICOS	120-06-01-00572	1
240		BIELA	120-06-02-00310	4
241		BULONES ARTICULACION BIELAS 94 MM	120-06-02-00336	6
242		TORNILLO ALLEN DIN913 M8X10	020-D813-M8X10	6
SC247		CONJUNTO BULON BIELAS C-3006	130-06-02-00479	2
SC248		BIELA TRIANGULAR	130-06-02-00401	1
249		ENGASADOR DIN 71412 M8 CODO	020-D71412-00001	4
SC251		BIELA TRIANGULAR DE ACCIONAMIENTO	130-06-02-00400	1
SC255		CONJUNTO BIELA TRANSMISION	130-06-02-00301	1
256		TOPE POSICION TRANCHA	120-06-02-00395	1
SC263		CONJUNTO BULON DELANTERO CILINDRO	130-06-02-00463	1
SC271		CONJUNTO BULON TRASERO CILINDRO	130-06-02-00466	1
SC272		CONJUNTO CILINDRO HIDRAULICO C-3006	130-06-02-00455	1
273		SEPARADOR EXTERIOR TRASERO CILINDRO HIDRAULICO	120-06-02-00723	2
274		MANGUERA FLEXIBLE DE 1/2" TG 1/2" - TG DE 1/2" LONGITUD 910 mm	120-06-02-00578	1
275		MANGUERA FLEXIBLE DE 1/2" TG-TG DE 1/2" LONGITUD 950	120-06-02-00577	1

ELEMENTO	DIBUJO	DESCRIPCIÓN	REFERENCIA	CANTIDAD
278		MANGUERA FLEXIBLE 1/2" TG 1/2"-CODO 90° TG 1/2" LONGITUD 730 mm	120-08-02-00575	1
SC280		TRANCHA	130-08-02-00450	1
281		TUERCA DIN 934 M8	020-D934-M8	4
282		PEDAL SIMPLE CON PARO DE EMERGENCIA	050-PED-002	1









PLANO DE ENSAMBLAJE		Nombre	Fecha
PISOR CIZALLA C3006	Ref. del ensamblaje	Dibujado	Tecnic21 10-09-2014
	130-06-01-00508	Verificado	
 Tratamiento  Revestimiento	No disponible	Marq. 100-06-02-004 C-3006	 <small>             Cía. de Herramientas Sólidas S.A. (Incorporada a Ertisa S.p.A.)              info@www.nargesa.com           </small>

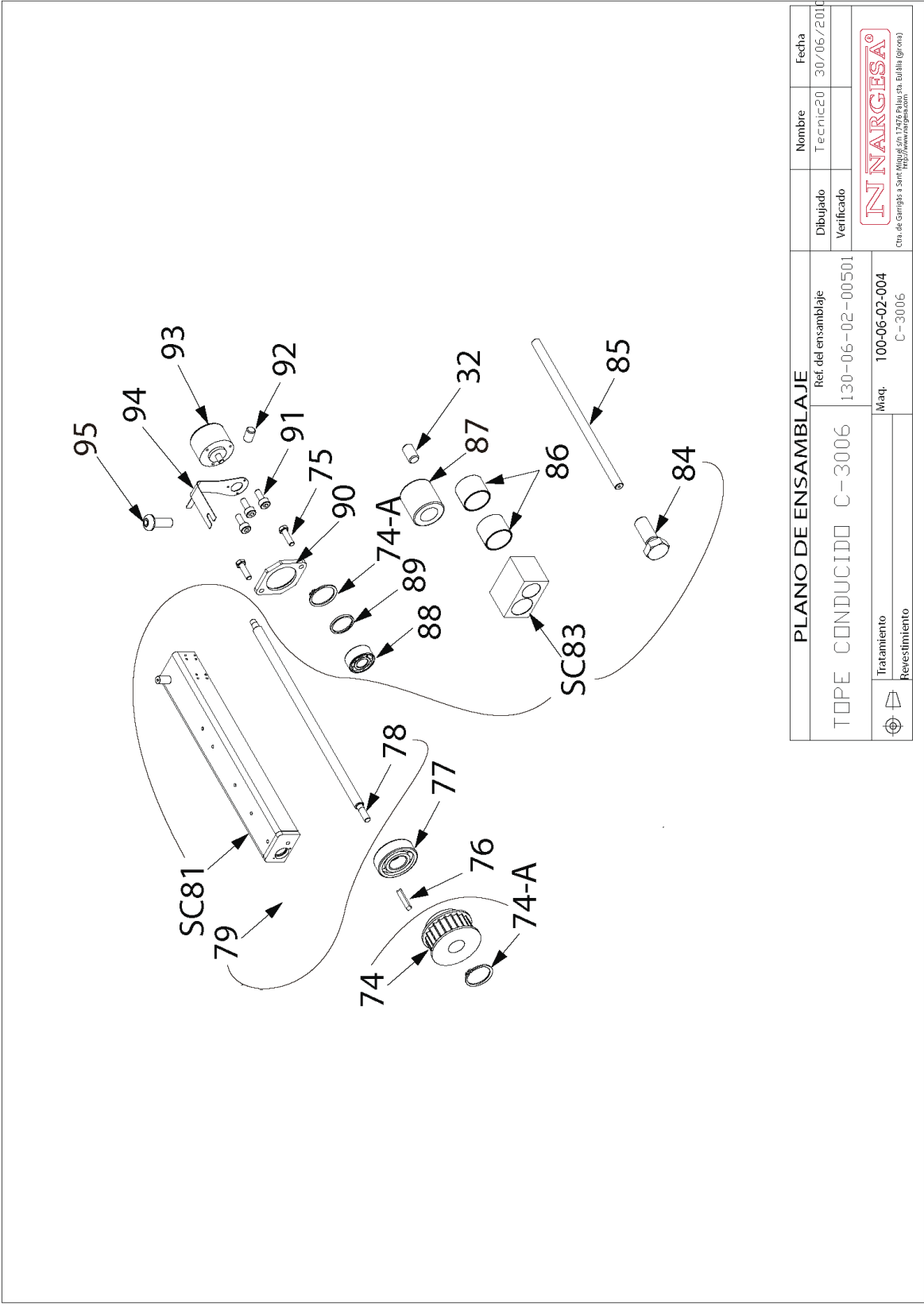
ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
21		JUNTA TORICA Ø32X3,5 90 Shore	040-JT-00012	1
SC23		CONJUNTO SOLDADURA CAMISA PISOR	130-06-01-00510	1
24		GUIA INTERIOR PISOR	120-06-01-00544	1
25		CIRCLIP DIN 471 EJE DE Ø30	030-D471-00004	2
26		MUELLE 5X42X100X10 ESPIRAS	120-06-01-00054	1
27		VASTAGO PISOR	120-06-01-00057	1
28		JUNTA TORICA Ø39X3,5 90 Shore	040-JT-00014	1
29		COLLARIN Ø30XØ38X7 tipo BA	040-BA-00003	1
30		DOLLA BRONCE PISOR	120-06-01-00545	1
31		CIRCLIP DIN 472 PARA AGUJERO Ø45	030-D472-00002	2
32		ESPARRAGO DIN 913 M6X10	020-D913-M6X10	1
33		BASE PISOR	120-06-01-00051	1





ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
74		POLEA DENTADA TOPE	120-06-02-00707	1
74-A		CIRCLIP DIN 471 EJE DE Ø20	030-D471-00010	1
75		TORNILLO HEXAGONAL DIN 933 M6X25	020-D933-M6X25	2
76		CHAVETA PARALELA DIN 6885A 5X5X32	030-D6885A-5X5X32	2
77		COJINETE DE BOLAS 6204 2RS	030-CJ-00012	1
84		TORNILLO HEXAGONAL DIN 933 M12X30	020-D933-M12X30	1
85		GUIA TOPE C3006	120-06-02-00705	1
86		DOLLA PARTIDA-35-39-30	030-DP-00015	2
87		TUERCA BRONCE TR 30X6 TOPE MANUAL MP3003_M	120-05-05-00122	1
88		COJINETE 3204 2RS Ø20xØ47x20.6	030-CJ-00004	1
90		FIJACION COJINETE FRONTAL C3006	120-06-02-00711	1
118		TORNILLO HEXAGONAL DIN 933 M6X16	020-D933-M6X16	4
119		ARANDELA BISELADA DIN 125 B M6 PAVONADA	020-D125B-M6-P	4
120		Motor Electrico d 0.37KW a 1400 rpm con patas B3 230/400 V Trifasico	050-ME-00012	1
121		ARANDELA DE GRUESO Ø23XØ5.5X3	120-06-01-00188	1
122		POLEA ACCIONAMIENTO MOTOR	120-06-01-00187	1
123		TORNILLO HEXAGONAL DIN 933 M8x16	020-D933-M8X16	4
124		SOPORTE MOTOR TOPE MP2003	120-05-01-00359	1
126		FINAL DE CARRERA CON RUEDA	050-FC-00003	1
127		HUSILLO MOTRIZ TOPE C3006	120-06-02-00700	1
128		SEPARADOR POLEA DELANTERA TOPE MP1400	120-05-03-00617	1
129		POLEA ACCIONAMIENTO TOPE	120-06-01-00198	1

ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
130		CORREA DENTADA 225 L 075	030-CD-00001	1
131		ARANDELA DE GRUESO Ø30XØ8.5X4	120-06-01-00197	1
132		TORNILLO HEXAGONAL DIN 933 M8X20	020-D933-M8X20	1
133		TORNILLO HEXAGONAL DIN 933 M5X20	020-D933-M5X20	1
SC33		CONJUNTO SOLDADO SOPORTE TUERCA TOPE	130-06-02-00507	1
SC32		ESTRUCTURA SOLDADA TOPE MOTRIZ	130-06-02-00503	1



ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
74		POLEA DENTADA TOPE	120-06-02-00707	1
74-A		CIRCLIP DIN 471 EJE DE Ø20	030-D471-00010	2
75		TORNILLO HEXAGONAL DIN 933 M6X25	020-D933-M6X25	2
76		CHAVETA PARALELA DIN 6885A 5X5X32	030-D6885A-5X5X32	1
77		COJINETE DE BOLAS 6204 2RS	030-CJ-00012	1
78		HUSILLO CONDUcido C3006	120-06-02-00701	1
84		TORNILLO HEXAGONAL DIN 933 M12X30	020-D933-M12X30	1
85		GUIA TOPE C3006	120-06-02-00705	1
86		DOLLA PARTIDA-35-39-30	030-DP-00015	2
87		TUERCA BRONCE TR 30X6 TOPE MANUAL MP3003_M	120-05-05-00122	1
88		COJINETE 3204 2RS Ø20xØ47x20.6	030-CJ-00004	1
89		ARANDELA FIJACION HUSILLO CONDUcido	120-06-02-00730	1
90		FIJACION COJINETE FRONTAL C3006	120-06-02-00711	1
91		TORNILLO DIN 7985 M3X4 PHILIPS	020-D7985-M3X4	3
92		ESPARRAGO ALLEN DIN 913 M5X8	020-D913-M5X8	1
93		ENCODER POSICION TOPE	050-ENC-00002	1
94		CHAPA SOPORTE ENCODER	120-06-01-00202	1
95		TORNILLO ALLEN ISO 7380 M6X16 8.8 PAVONADO	020-I7380-M6X16	1
SC81		ESTRUCTURA SOLDADA TOPE CONDUcido	130-06-02-00502	1
SC83		CONJUNTO SOLDADO SOPORTE TUERCA TOPE	130-06-02-00507	1

130-06-02-00400	Nº Despiece
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The drawing shows a triangular connecting rod (BIELA TRIANGULAR DE ACCIONAMIENTO) with four circular holes. Callouts point to various parts: 219 (two small cylindrical pins), 243 (two larger cylindrical pins), 251 (one small cylindrical pin), and SC251FM2 (the main triangular body).

PLANO DE ENSAMBLAJE			
BIELA TRIANGULAR DE ACCIONAMIENTO	Ref. del ensamble	Nombre	Fecha
	130-06-02-00400	Técnico 20	05/07/2010
	Verificado		
Tratamiento	Maq.	C-3006	
Revestimiento			

Este plano es propiedad de Prada Nargesa S.L. No podrá ser reproducido, comunicado a terceros o utilizado para otro fin que no sea el acordado sin su permiso escrito.

ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
SC251FM2		MECANIZADO BIELA TRIANGULAR DE ACCIONAMIENTO	130-06-02-00400FM2	1
251		DOLLA PARTIDA-40-44-50	030-DP-00017	1
243		DOLLA PARTIDA-60-65-60	030-DP-00028	2
218		DOLLA PARTIDA-60-65-50	030-DP-00028	2

130-06-02-00401	Nº Despiece
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SC248FM2

219

243




219

243

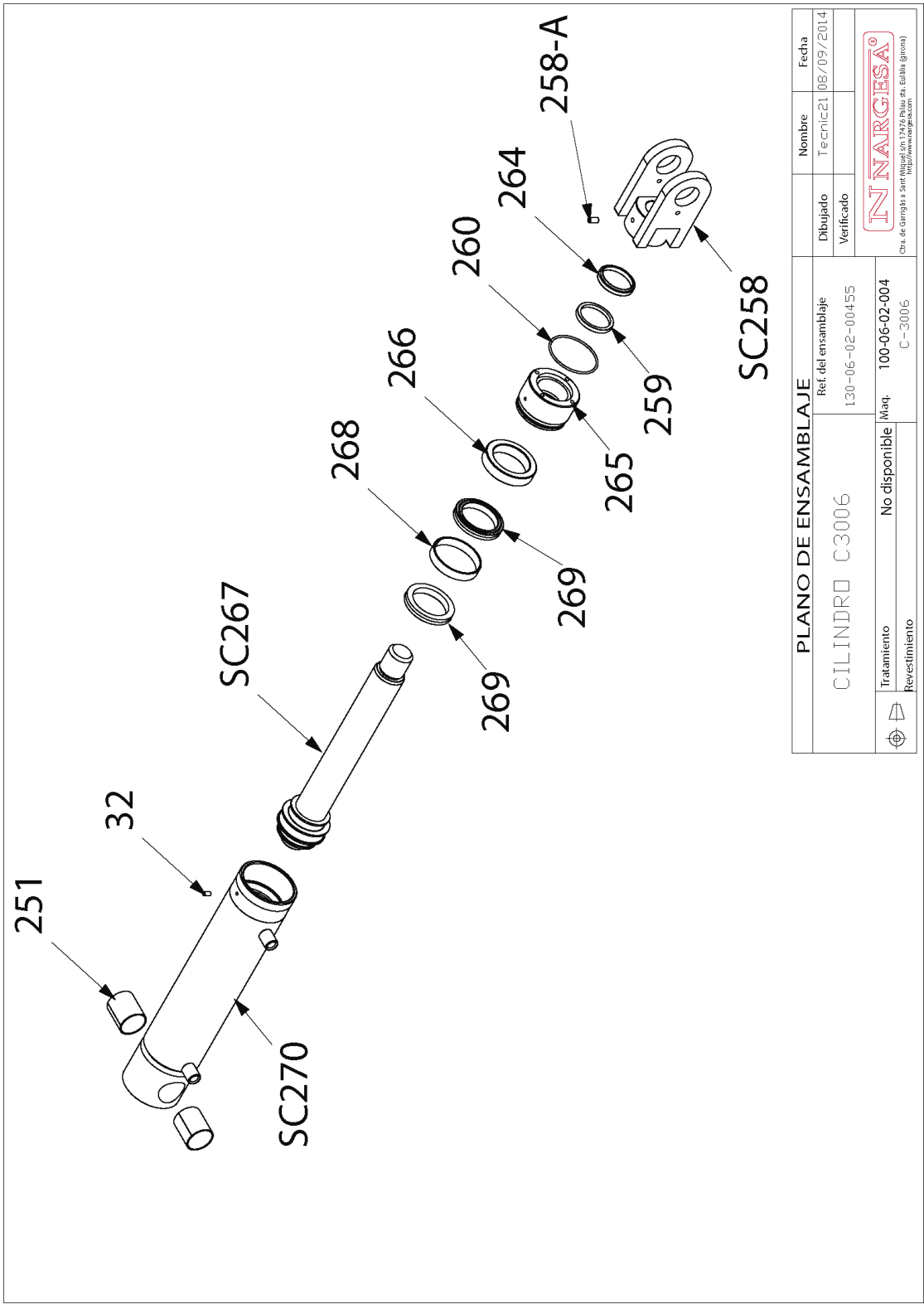
  

<b>PLANO DE ENSAMBLAJE</b>		Nombre	Fecha
BIELA TRIANGULAR	Ref. del ensamblaje	Técnico	06/07/2010
	130-06-02-00401	Verificado	
<div> <div> </div> <div> Tratamiento </div> </div> <div> <div> </div> <div> Revestimiento </div> </div>	Maq.	<b>N NARGESA®</b> <small>Ctra. de Garrigal a Sant Miquel s/n 17474 Palau de Eulàlia (Girona)  <a href="http://www.nargesa.com">http://www.nargesa.com</a> </small>	
	100-06-02-003		
	C-3006		

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ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
SC248FM2		MECANIZADO CONJUNTO SOLDADO BIELA TRIANGULAR	130-06-02-0040FM2	1
243		DOLLA PARTIDA-60-65-60	030-DP-00029	2
219		DOLLA PARTIDA-60-65-50	030-DP-00028	2

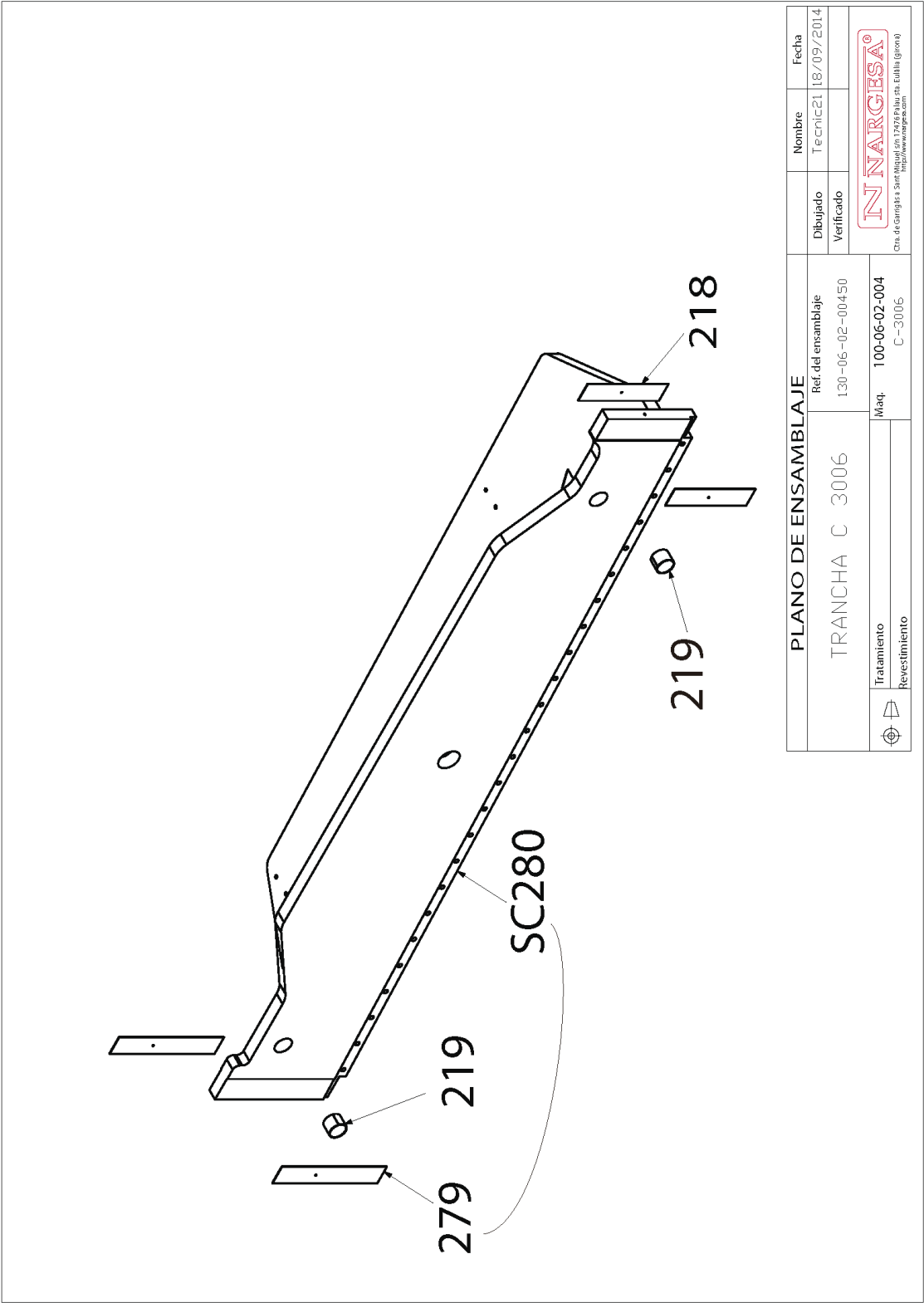





PLANO DE ENSAMBLAJE			
CILINDRO C3006	Ref. del ensamble		Nombre
	130-06-02-00455		Técnico21
Tratamiento	No disponible		Verificado
	Max. 100-06-02-004		Fecha
Revestimiento	C-3006		08/09/2014

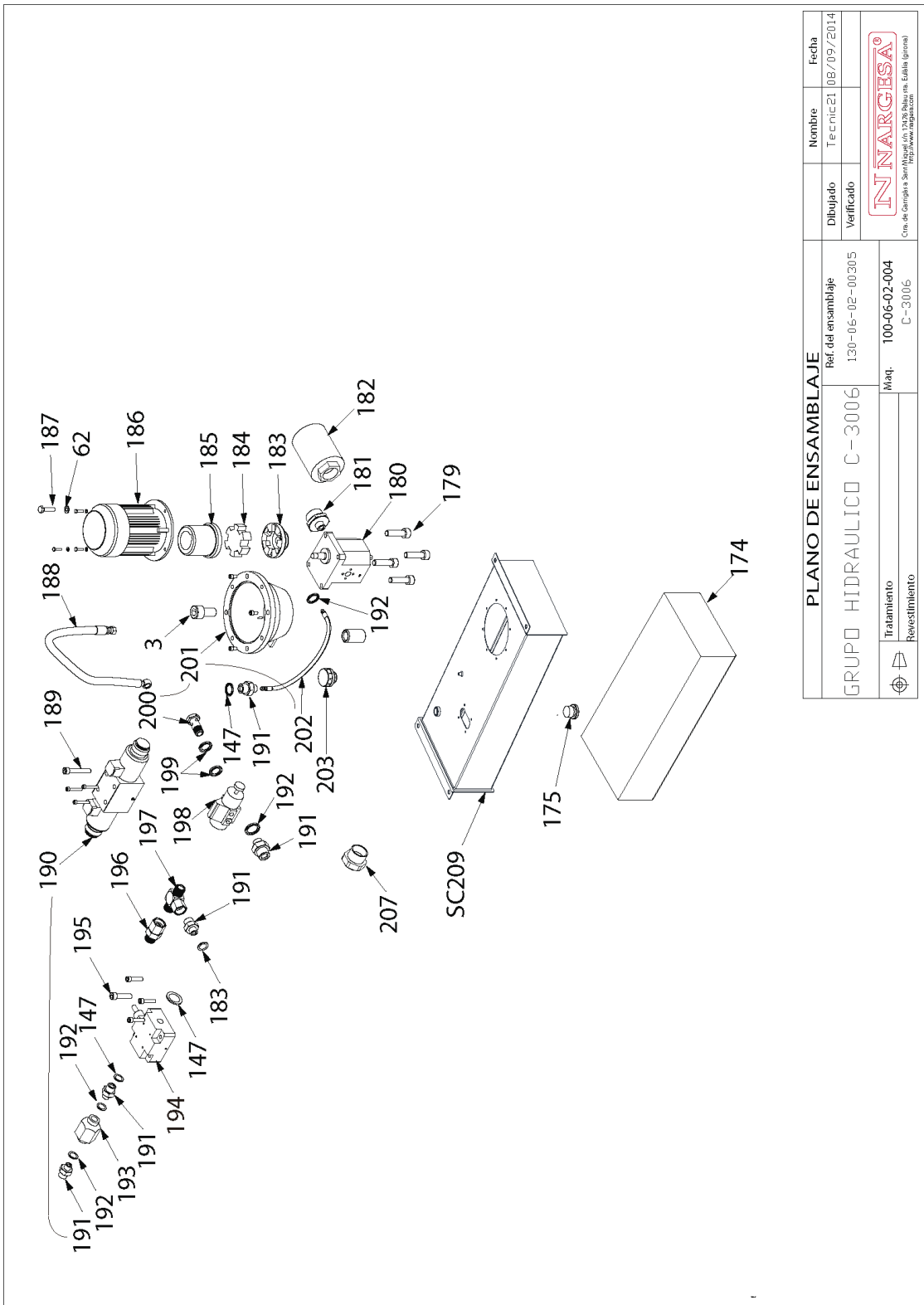
**N NARGESA®**  
Ctra. de Gringás a San Mateo con 12426 Pánu de Eulalia (gringás)  
Ingeniería y Manufactura





ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
251		030-DP-00017	DOLLA PARTIDA-40-44-50	2
32		020-D913-M6X10	ESPARRAGO DIN 913 M6X10	1
258-A		020-D913-M8X16	ESPARRAGO ALLEN DIN 913 M8X16	1
259		040-BA-00006	COLLARIN BA Ø50XØ60X7.3	1
260		040-JT-00021	JUNTA TORICA Ø74X4	1
264		040-RAS-00004	RASCADOR Ø50xØ60X7/10	1
265		120-06-02-00351	DOLLA DE BRONCE	1
266		120-06-02-00375	TOPE DELANTERO CILINDRO HIDRAULICO	1
268		040-GUI-00001	GUIA 80-75-15	1
269		040-JC-00001	JUNTA DE CILINDRO Ø80XØ60X12	2
SC267		130-06-02-00311	CONJUNTO VASTAGO SOLDADO	1
SC270		130-06-02-00307	CONJUNTO CAMISA CILINDRO CIZALLA	1
SC258		130-06-02-00461	HORQUILLA CIZALLA	1



PLANO DE ENSAMBLAJE		Nombre	Fecha
Ref. del ensamblaje		Técnic21	18/09/2014
TRANCHA C 3006		Verificado	
Ref. del ensamblaje			
130-06-02-00450		Ctra. de Garrigás a Sant Miquel s/n 17478 Palau de l'Oblit (giroc)	
		<a href="http://www.nargesa.com">http://www.nargesa.com</a>	
Tratamiento	Maq.	100-06-02-004	
Revestimiento		C-3006	

ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
218		REGLA BIPLAST 335X80X2	120-06-02-00329	2
219		DOLLA PARTIDA-60-65-50	030-DP-00028	2
279		REGLA BIPLAST 435X80X2	120-06-02-00328	2
SC280		CONJUNTO SOLDADO TRANCHA C2006	130-06-02-00450FM2	1

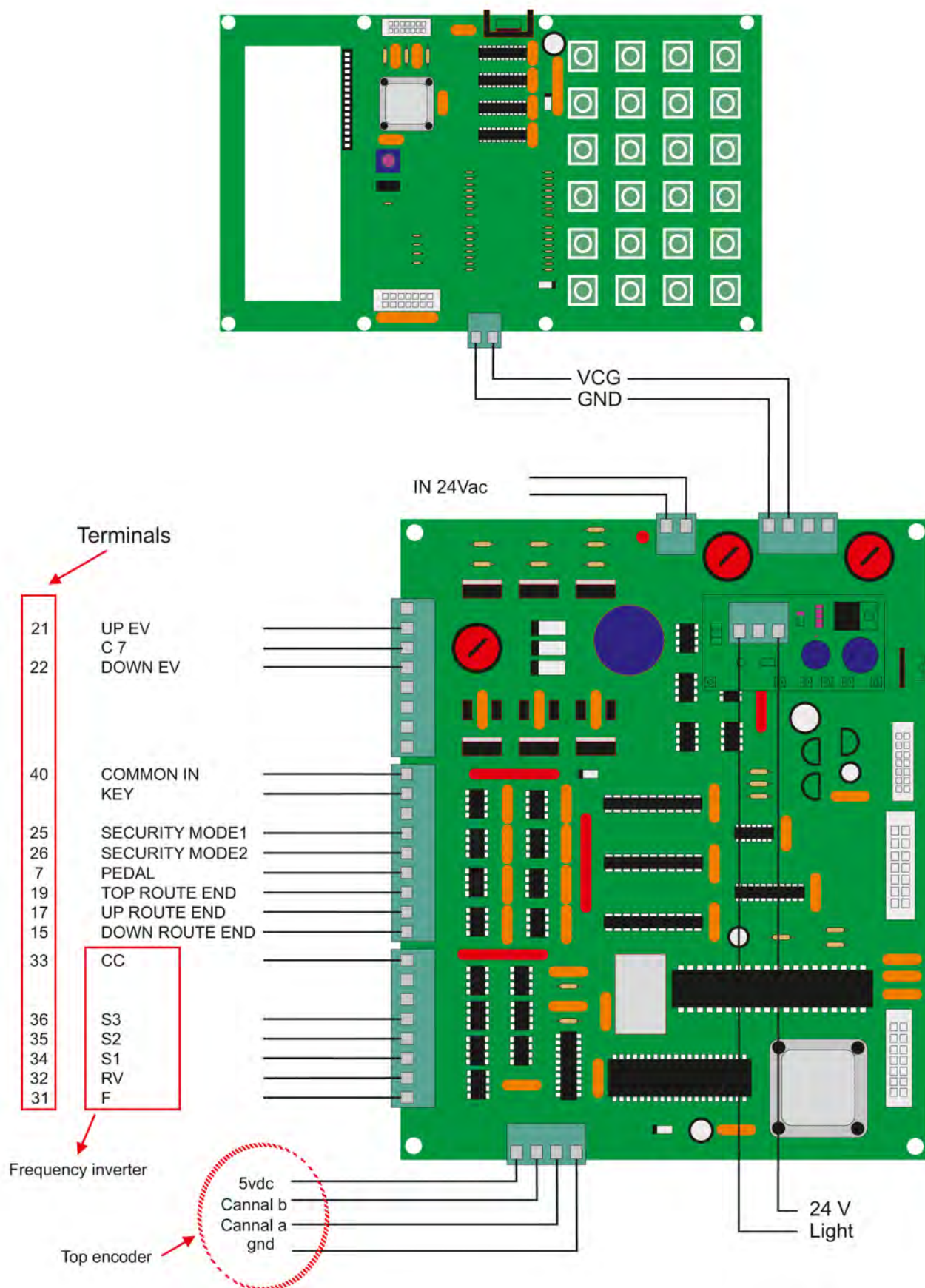


ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
174		ACEITE HIDRAULICO HM68 - 85 LITROS	120-06-02-00727	85
175		TAPON ALLEN 1/2"	040-TVA-00001	1
176		MANGUITO TAPON VACIADO 1/2" GAS	120-06-02-00422	1
179		TORNILLO ALLEN DIN 912 M8X30	020-D912-M8X30	4
180		Bomba Hidraulica de 22 Litros Carcasa De Aluminio	040-BH-00001	1
181		RACOR REDUCIDO 1 1/4-1/2 MACHO MACHO	040-RRMM-00011	1
182		FILTRO DE ASPIRACION 1 1/4"	040-FL-00001	1
183		ACOPLAMIENTO LADO BOMBA 7.5/10/12 Cv	040-AE-00003	1
184		ESTRELLA ACOPLAMIENTO 7.5/10/12 Cv	040-AE-00004	1
185		ACOPLAMIENTO LADO MOTOR 7.5/10/12 Cv	040-AE-00002	1
186		MOTOR ELECTRICO DE 9.2 KW A 1400 RPM BRIDA B5	050-ME-00004	1
187		TORNILLO HEXAGONAL DIN 933 M10X40	020-D933-M10X40	4
188		MANGUERA HIDRAULICA 1/4" ESFERA 1/4"-TUERCA GIRATORIA 1/4" LONGITUD 450 mm	120-06-02-00367	1
189		TORNILLO ALLEN DIN 912 M6X40	020-D912-M6X40	4
190		Electrovalvula TN10 CETOP 5	040-ELV-00001	1
191		RACOR REDUCIDO 1/2-3/8 MACHO MACHO	040-RRMM-00004	5
192		JUNTA METAL GOMA 3/8"	040-JMG-00004	5
193		Regulador De Caudal Unidireccional En Linea 3/8"	040-RC-00001	1
194		VALVULA LIMITADORA DE PRESION	040-VLP-00001	1
195		TORNILLO ALLEN DIN 912 M10X45	020-D912-M10X45	4
196		RACOR GIRATORIO MACHO HEMBRA 1/2"	040-RG-00001	1

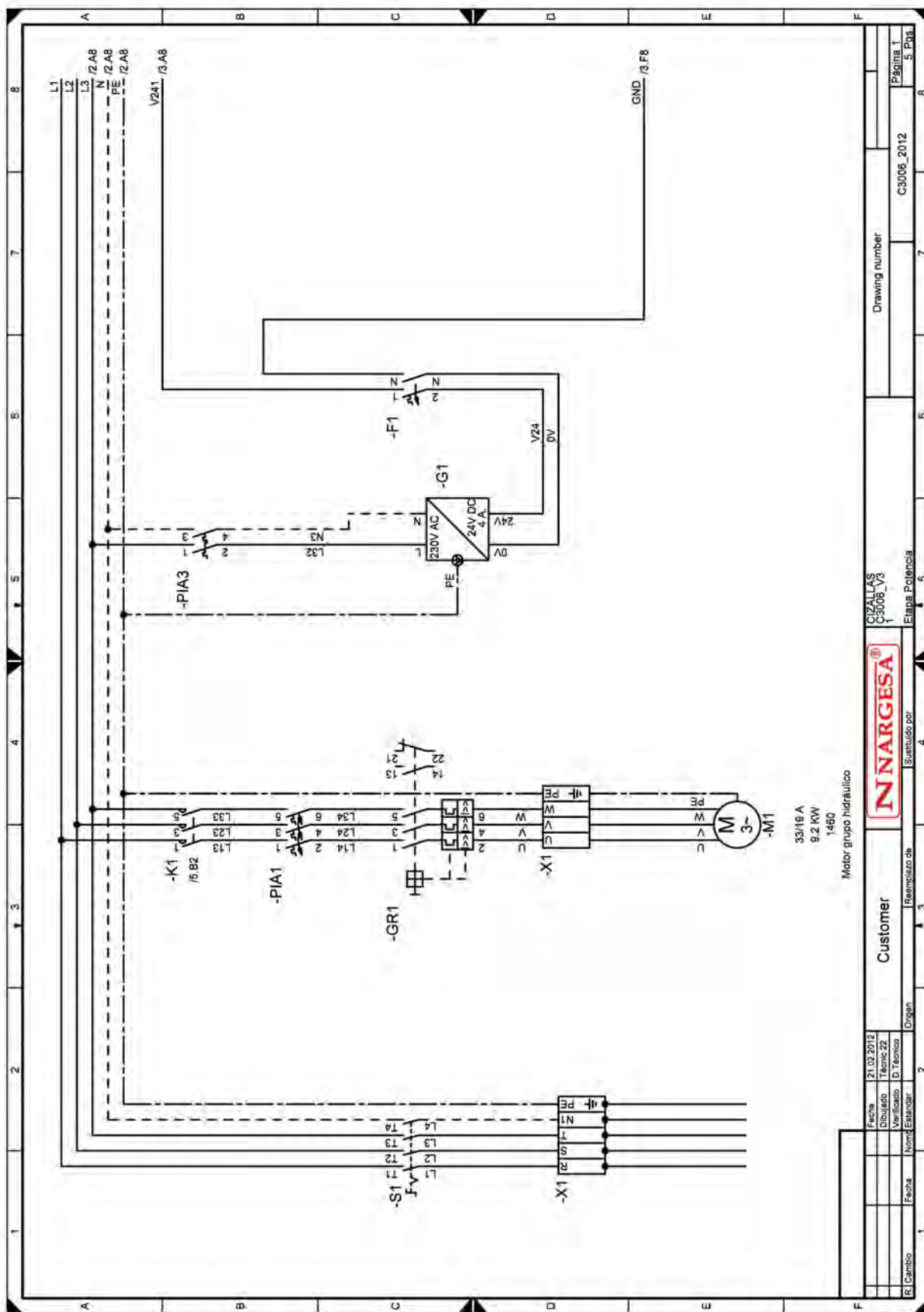
ELEMENTO	DIBUJO	DESCRIPCION	REFERENCIA	CANTIDAD
197		FIGURA "T" TUERCA GIRATORIA CENTRAL 1/2"	040-TGC-00001	1
198		VALVULA DE SECUENCIA	040-VS-00001	1
199		JUNTA METAL GOMA 1/4"	040-JMG-00002	2
200		TORNILLO PARA ESFERA DE 1/4"	040-TES-014	1
201		CAMPANA ACOPLAMIENTO BOMBA TIPO L MOTOR 7.5/10/12	040-CA-00001	1
202		MANGUERA HIDRAULICA 3/8" MACHO 3/8" TUERCA GIRATORIA 3/8" L=640 mm	120-06-02-00369	1
203		TAPON DE LLENADO 1" CON FILTRO	040-TLL-00001	1
207		VISOR NIVEL ACEITE 3/8" GAS	040-NA-00001	1
SC209		DEPOSITO GRUPO HIDRAULICO	130-06-02-00304	1

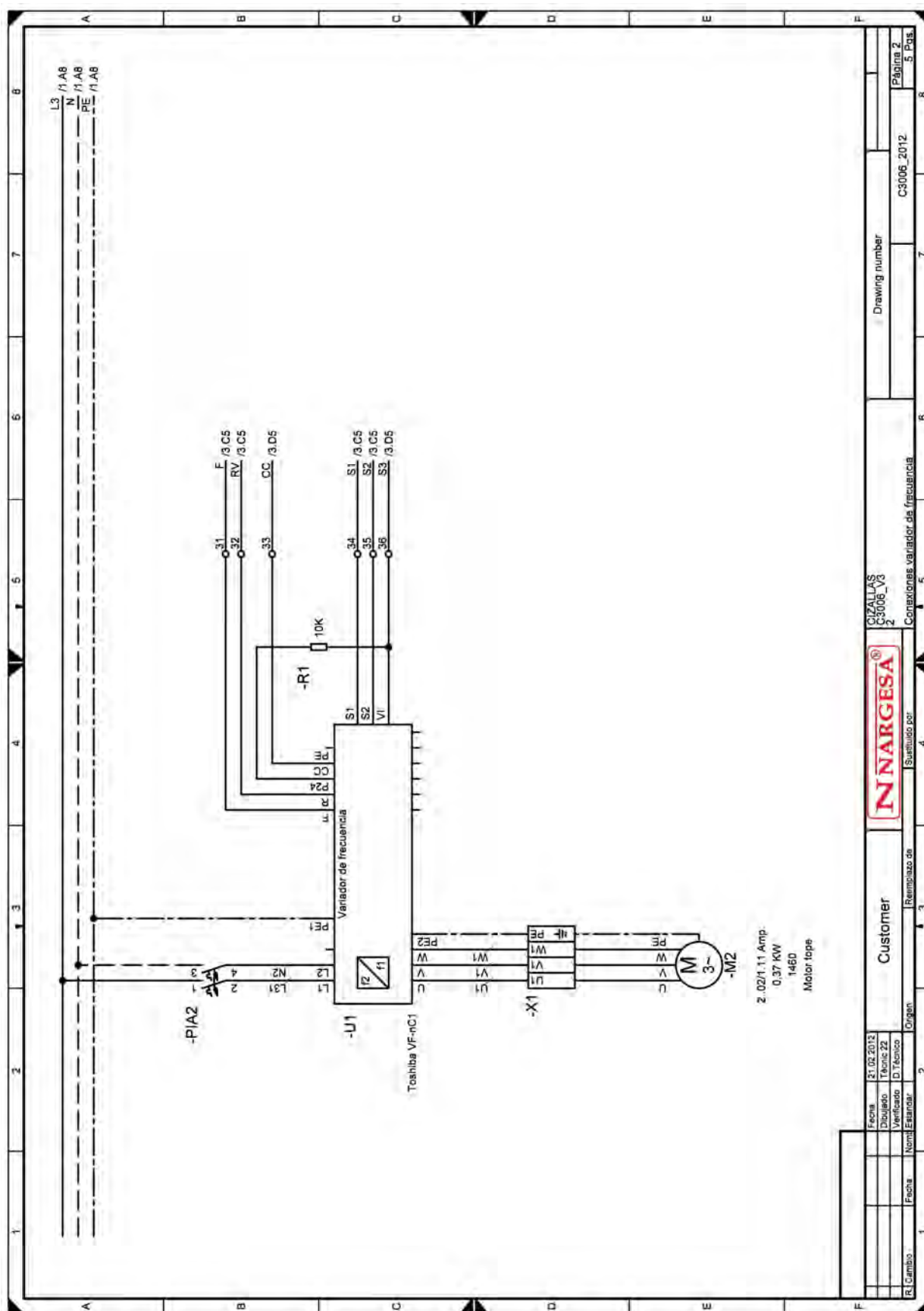


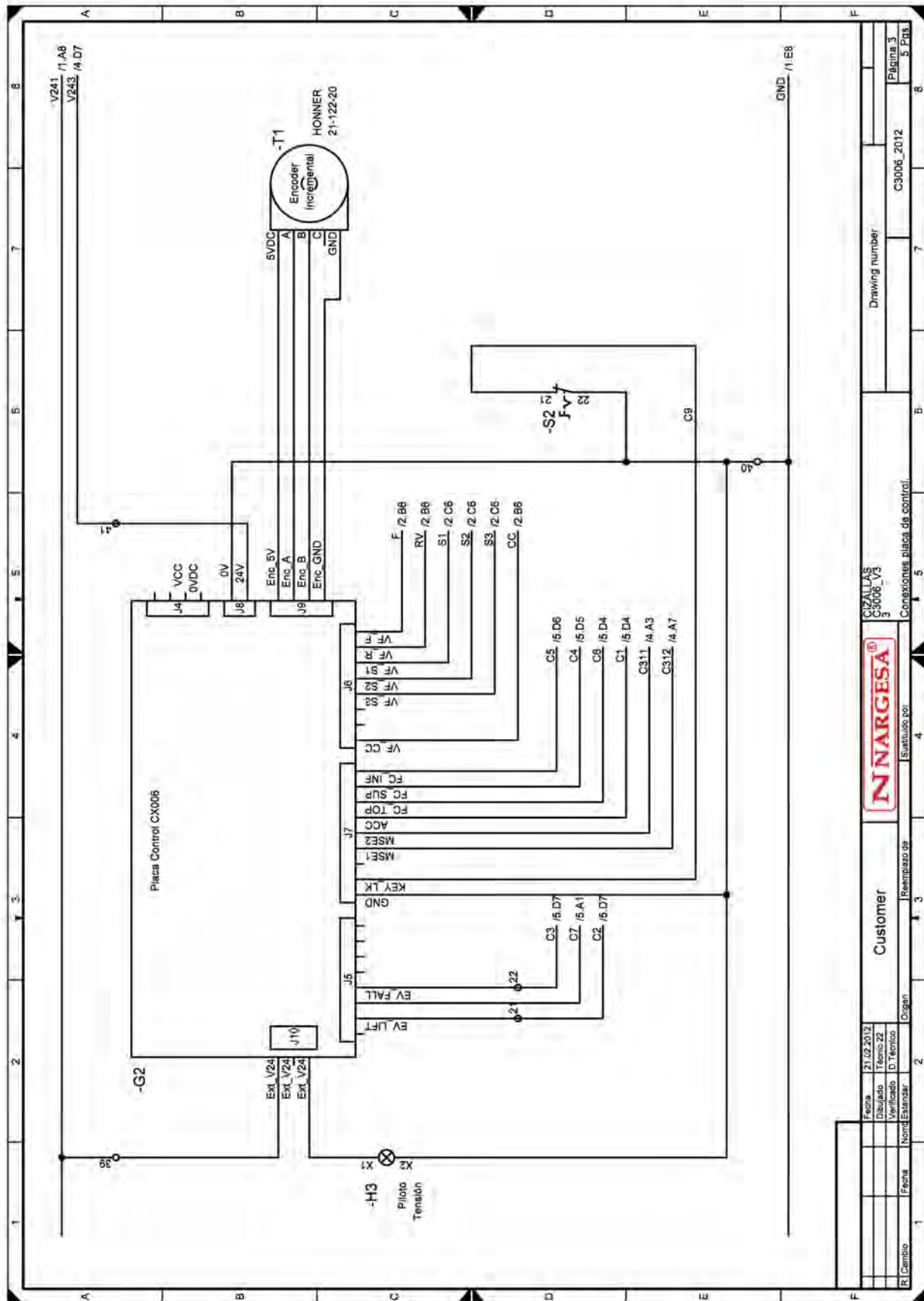
## A2. Electric maps

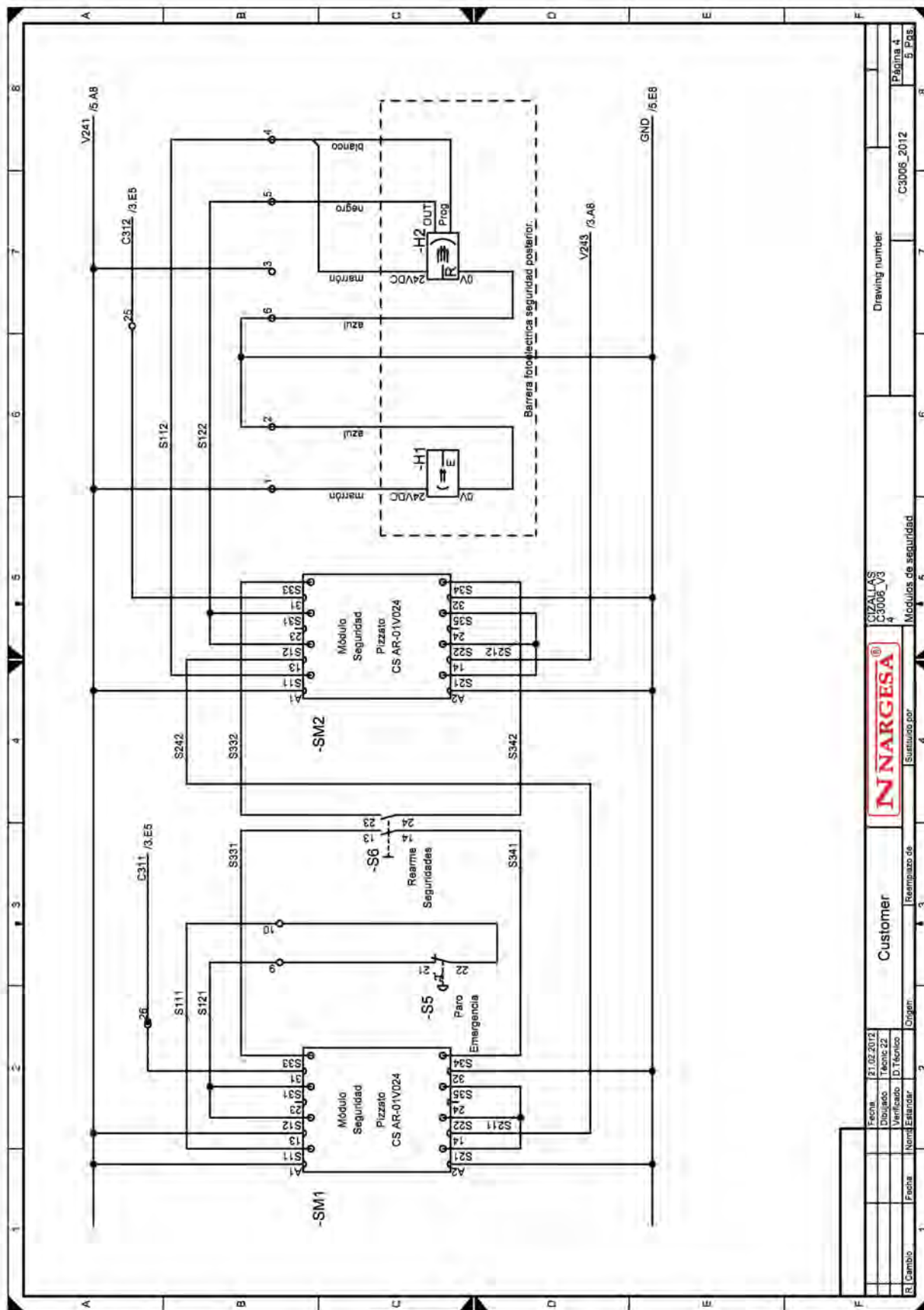


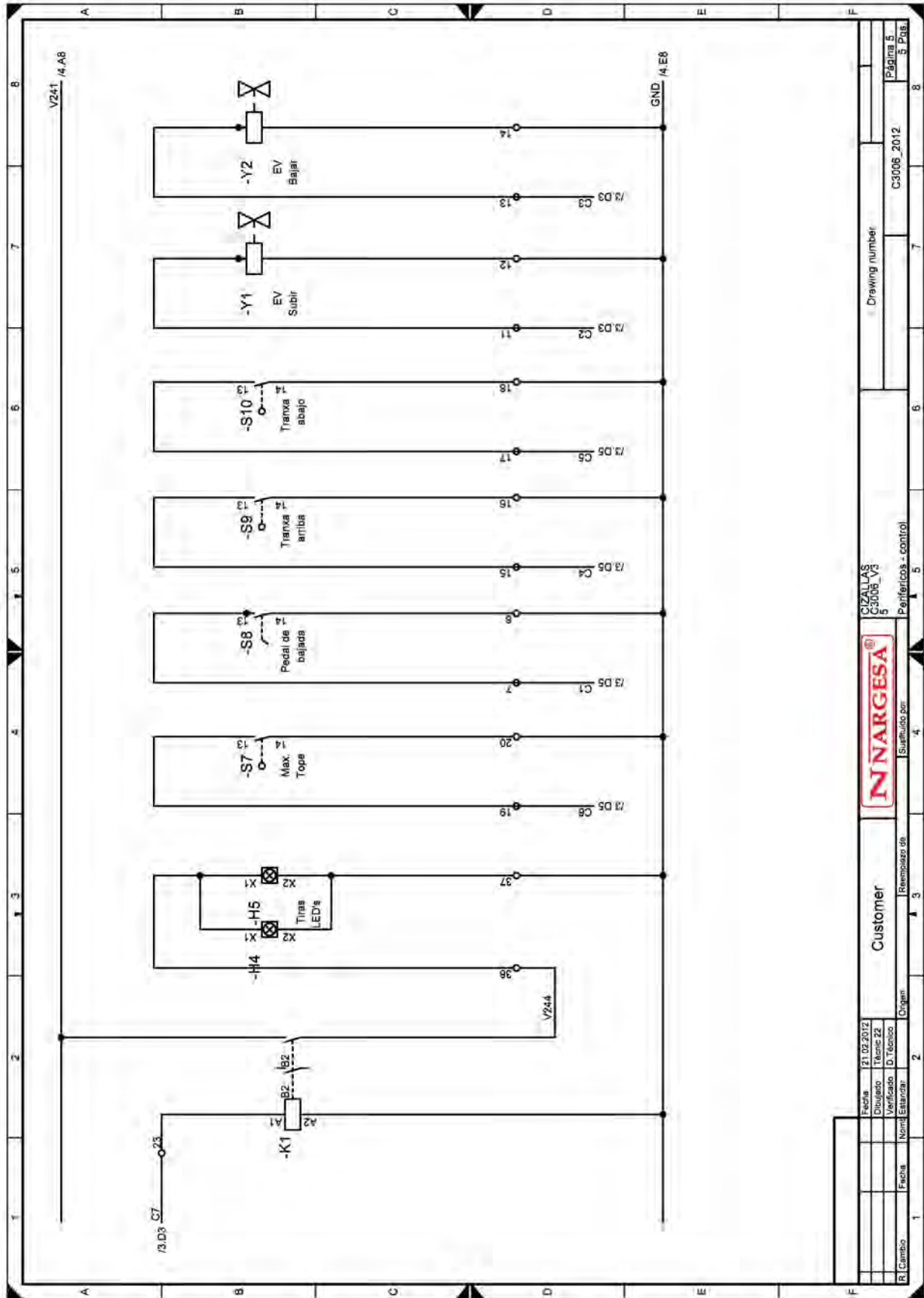




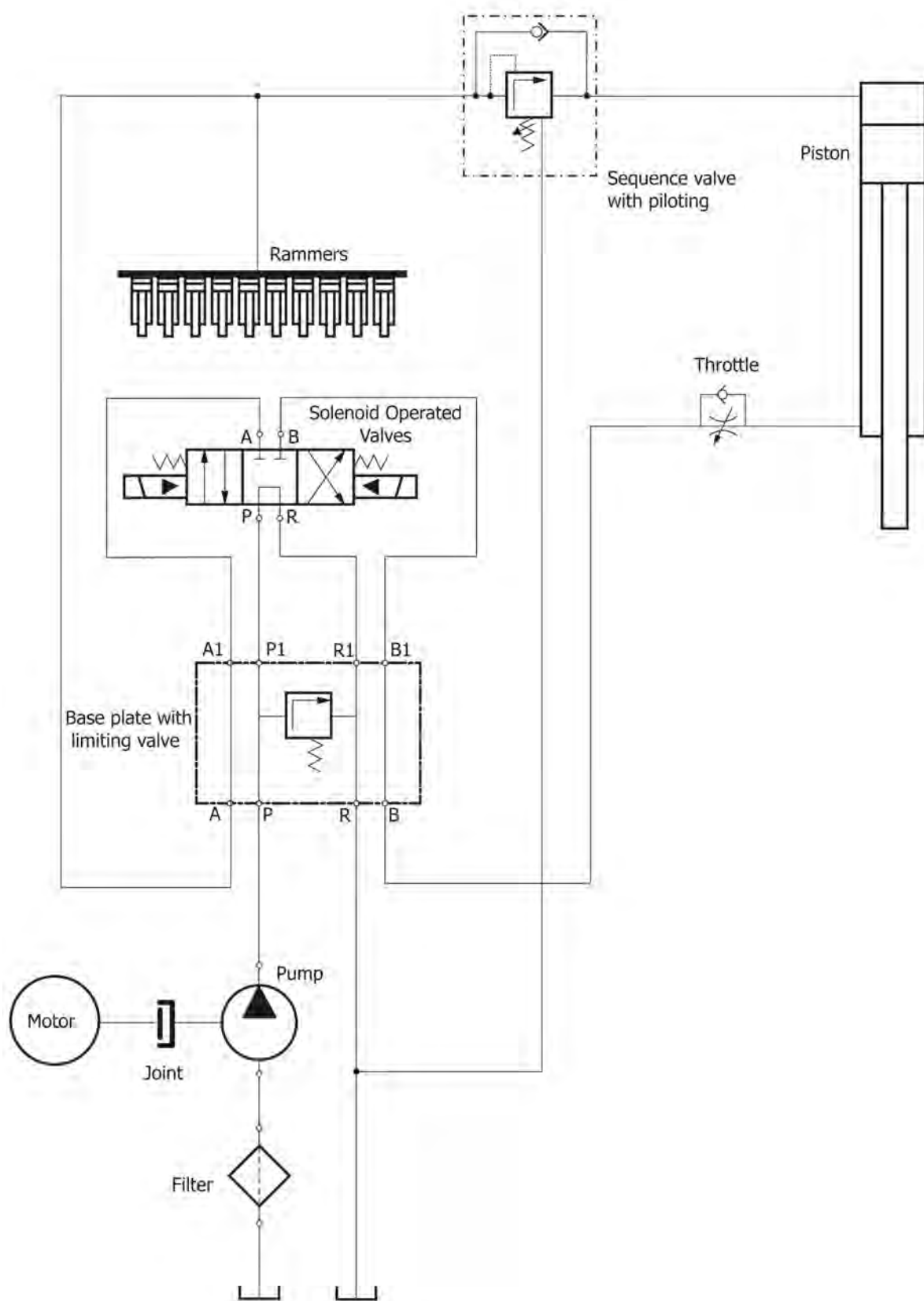








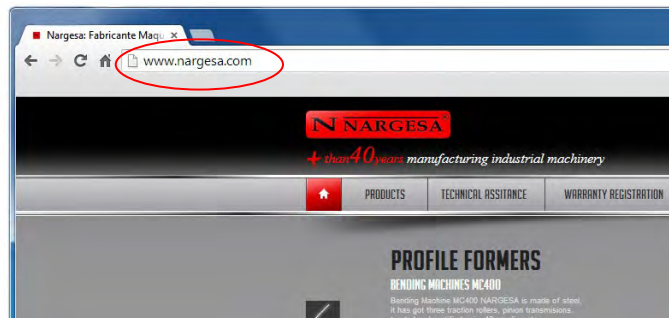
### A3. Hydraulic map





## WARRANTY REGISTRATION

1. Among [www.nargesa.com](http://www.nargesa.com) on our site



2. Select the menu **Warranty Registration**

3. Complete the form with your details and press **Send**



4. The window **Message Sent** confirms your data has been successfully sent to Prada Nargesa SL. Your machine has been registered and has a warranty of three years in total.

