ROBINO & GALANDRINO

USER'S MANUAL

part P2

SPECIFIC ROULES FOR MACHINE TYPE

RECORD 10000

ROBINO & GALANDRINO spa
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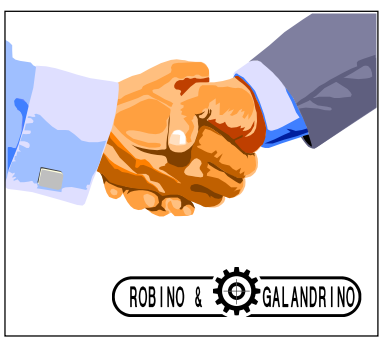
Reference : P2-64


ROBINO & GALANDRINO

INTRODUCTION

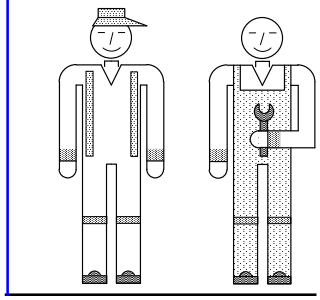
This part of the User's manual deals with the characteristics of your machine, modes of operation and work practices.

Machine operators should refer to the following table and adhere to and follow the procedures and general instructions described in Part 1 of this Manual.

In case of discrepancies between this section of the manual and the general procedures and instructions given in Part 1, contact the manufacturer's technical assistance office for advice.

CONTENTS OF SECTIONS

Specific roules

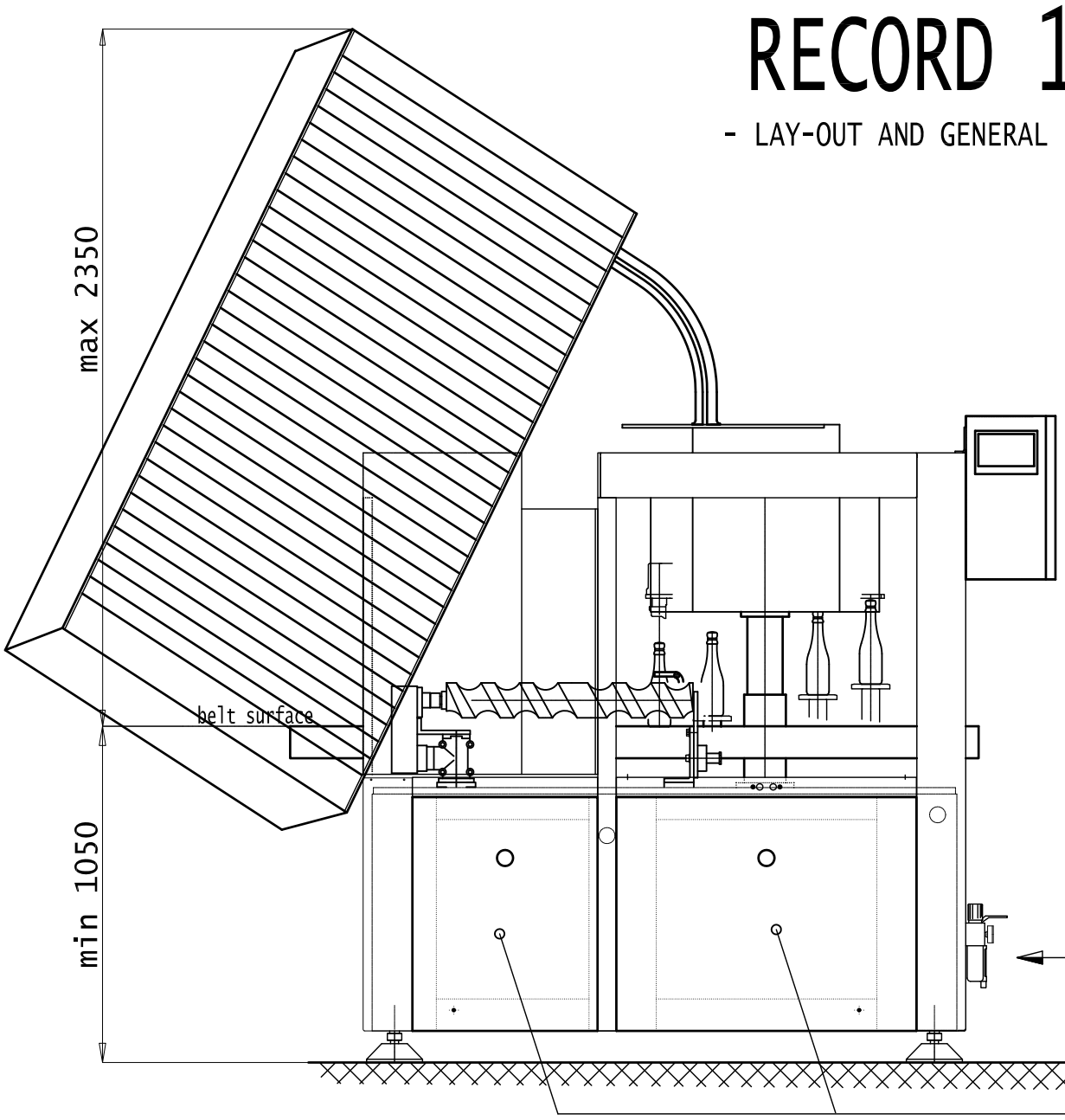



ROBINO &
GALANDRINO

RECORD 10000

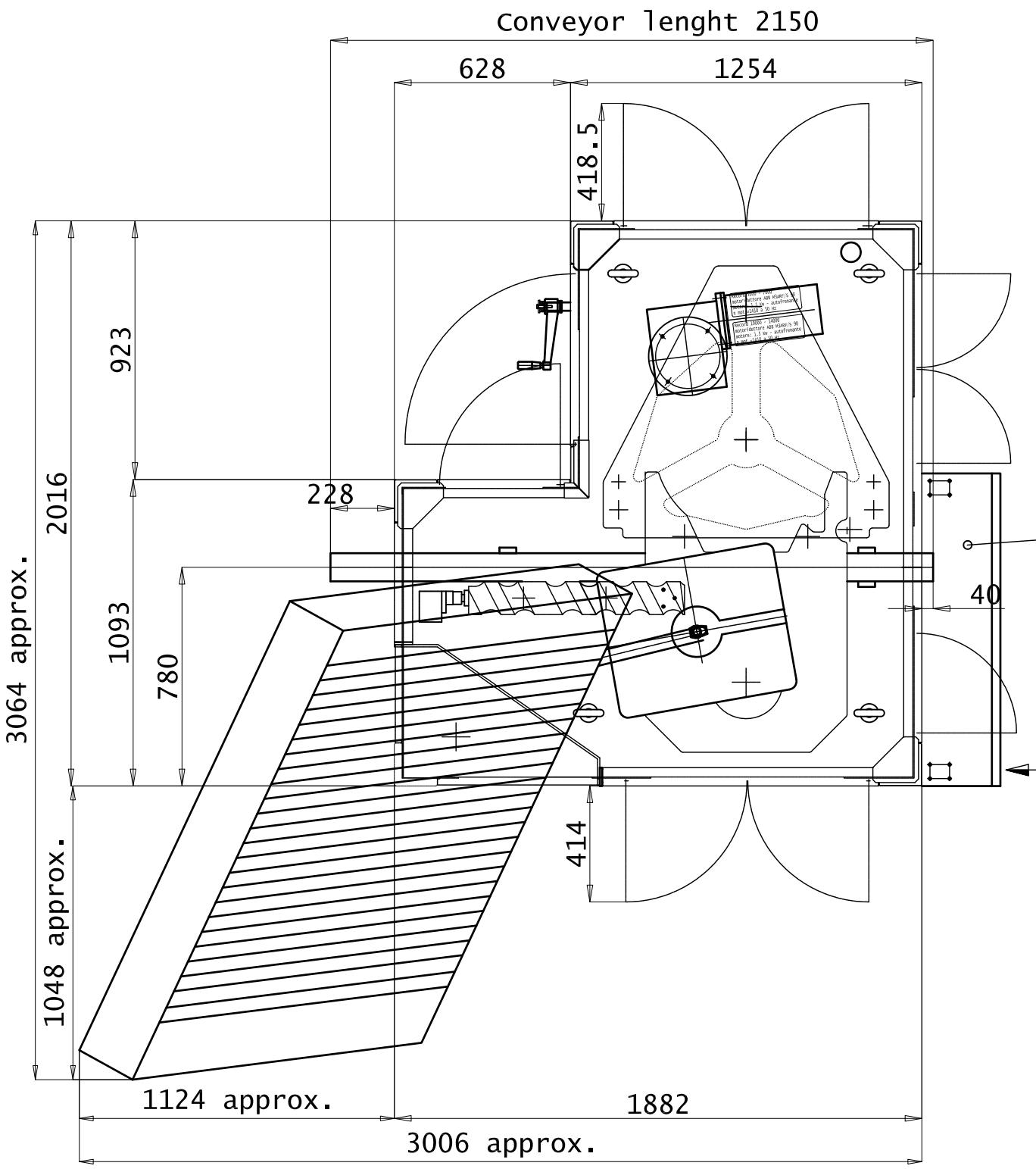
- LAY-OUT AND GENERAL INFORMATION -

- Maximun hourly outputaria .....: b/h 10000
- Linear speed of the conveyor (at the max. output) :29 m/min.circa
- Electric motor .....: Kw 1.5
- Standard supply voltage .....: Volt 380 / 400
- Auxiliary voltage .....: Volt 24 Vdc
- Total installed power.....: Kw 2
- Weight.....: circa Kg. ....
- Noise .....: 85 dB



pneumatic connection on the side of the frame through a TAP 1/2" gas

IMPORTANT:
It is forbidden to start the machine without the safeties doors on machine base



electrical connection in the board

Electrical control panel

The machine is fitted with an inverter controlled gearmotor. In order to regulate machine speed (on the basis of the various equipment) it is necessary to operate using a potentiometer on the electrical control panel.

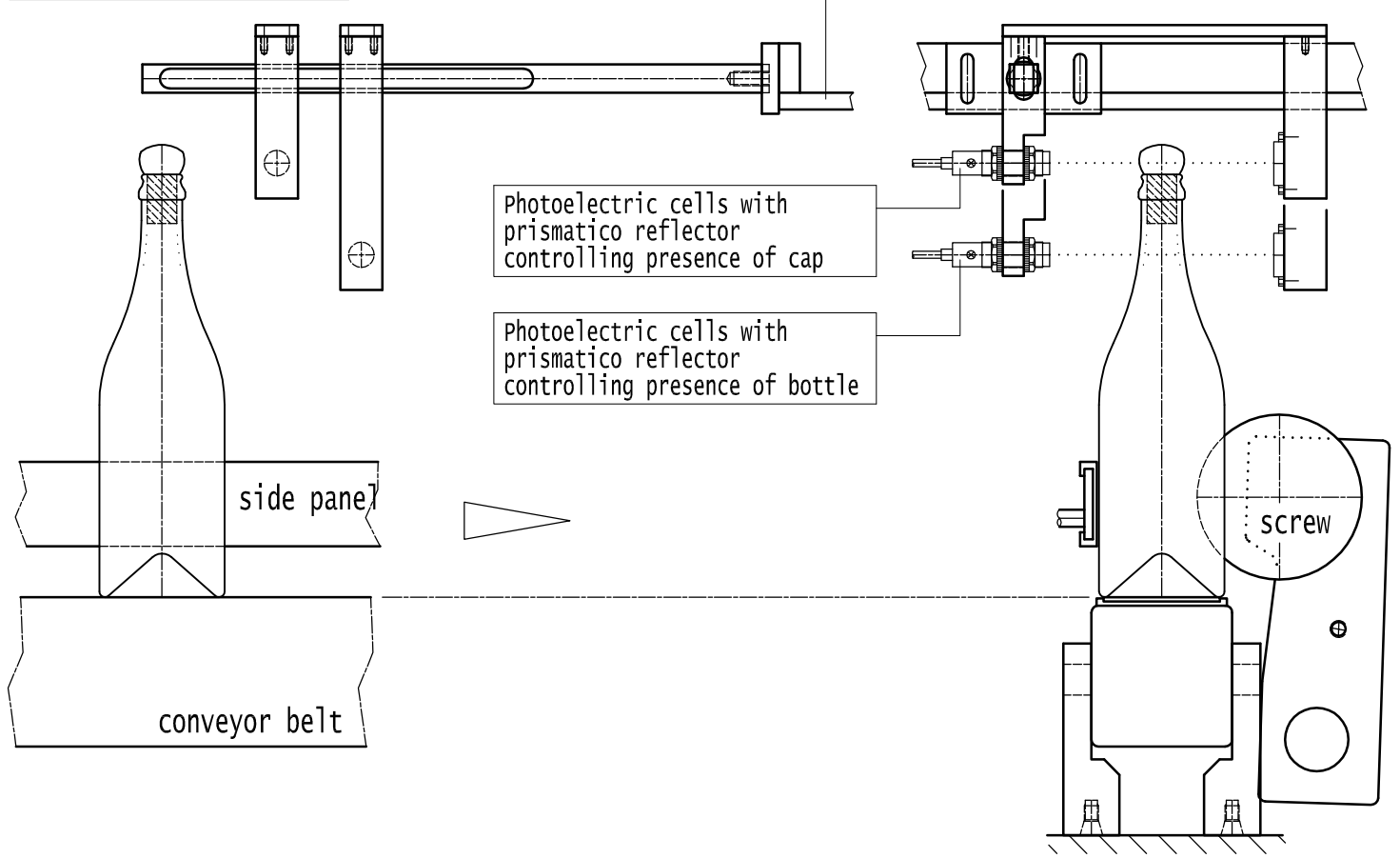
- RIGHT-HAND MACHINE - direction of bottle movement from left to right

- PHOTOELECTRIC CELLS BEFORE AND AFTER WIRE HOODER -

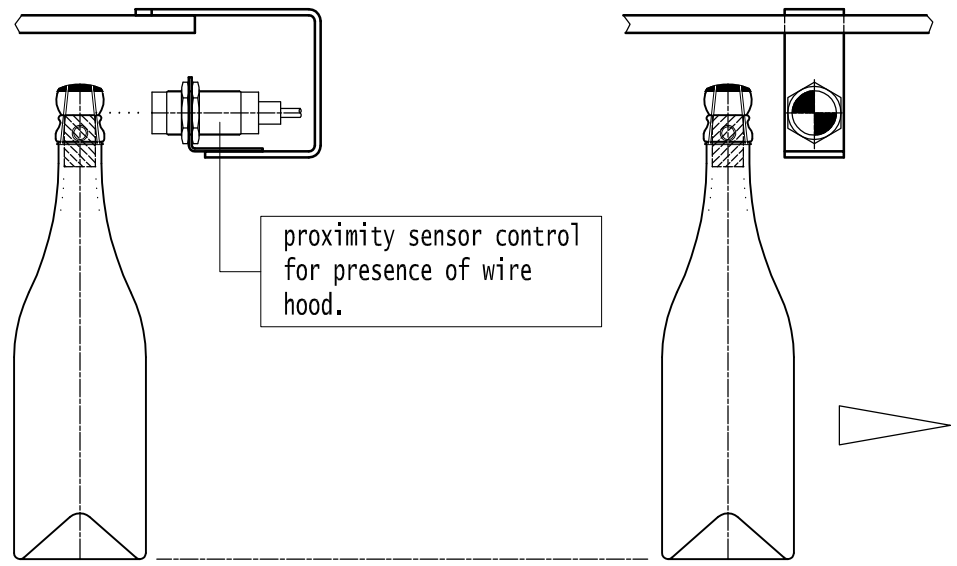
N.B.: These photoelectric cells are installed onto the machine at CUSTOMER'S REQUEST.
- PHOTOELECTRIC CELLS at the ENTRANCE are there to check the BOTTLES and CAPS (WIRE HOODS are not put onto BOTTLES without CAPS).
- The PROXIMITY sensor at the EXIT are there to check that the WIRE HOOD has been distributed onto all the BOTTLES. (The MACHINE stop if the set minimum number of WIRE HOODS not distributed has been exceeded:check to see if it is working correctly).
- N.B.: The MACHINE can be starded up again by pressing the "ON"button on the control panel.
-
- The ⊗ symbol indicates the SREW for regulating the sensitivity of the PHOTOELECTRIC CELLS and PROXIMITY sensor.
- Some of the PHOTOELECTRIC CELLS or PROXIMITY sensor are mounted inside eyelets for regulation purposes.
-

N.B. Draiwings show a RIGHT HAND MACHINE bud they are valid for the LEFT-HAND version.

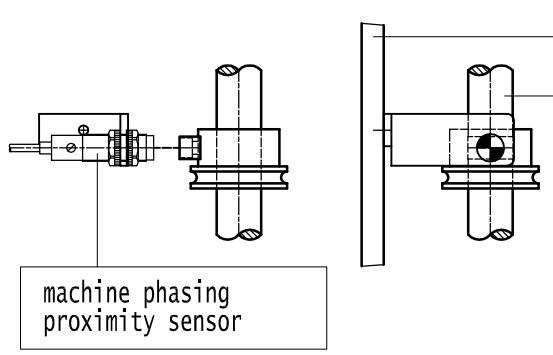
Machine entrance



Machine exit (after bending device)

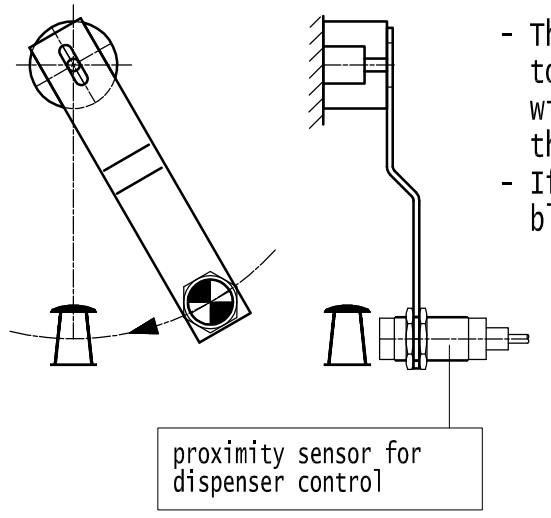


Back part of dispenser

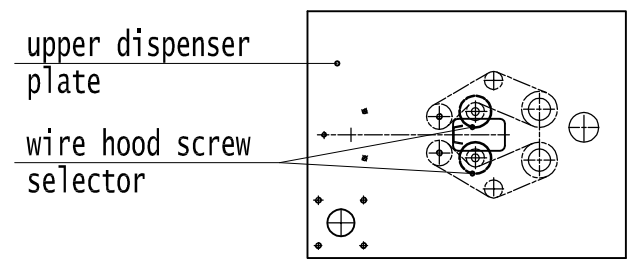


- This proximity sensor serves to phase the machine to prevent the wire hood from being distributed onto a bottle without a cap
-

Front part of dispenser (heads)



- This proximity sensor is designed to verify that there is a wire hood in the heads so that the dispenser works properly.
- If then rapidly checks if wire hoods are blocked in the selector screws.



RECORD 6 - RECORD 12

- CHAIN DRIVE REGULATION -

- instructions -

- The first ceck on the CHAIN tension must be after about 15 days from when the machine started working.
- This control is necessary as it may be possible to find that chains have slackened due to the streching effect occuring after the machine has been running for a few days.
-
- Afterwards check the CHAIN tension about every 6 months.
-

N.B. Long chains become slocker more rapidly than the short ones.
For this reason they must be checked more frequently.

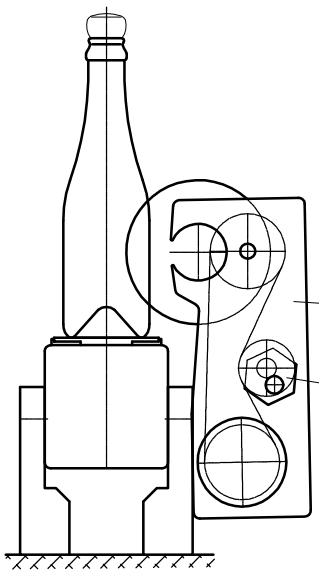
-

N.B. The CHAINS must not be tightened up too much when regulation them,to avoid compromising the duration of the supporting bearings.

-
- The draiwing at the side give the psition of the CHAIN TIGHTENERS on the machine.
-

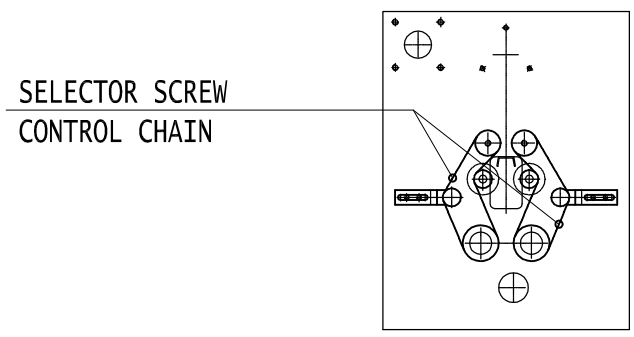
N.B. The draiwing represents a RIGHT HAND MACHINE but it also valid for a LEFT HAND one.

SCREW DRIVE

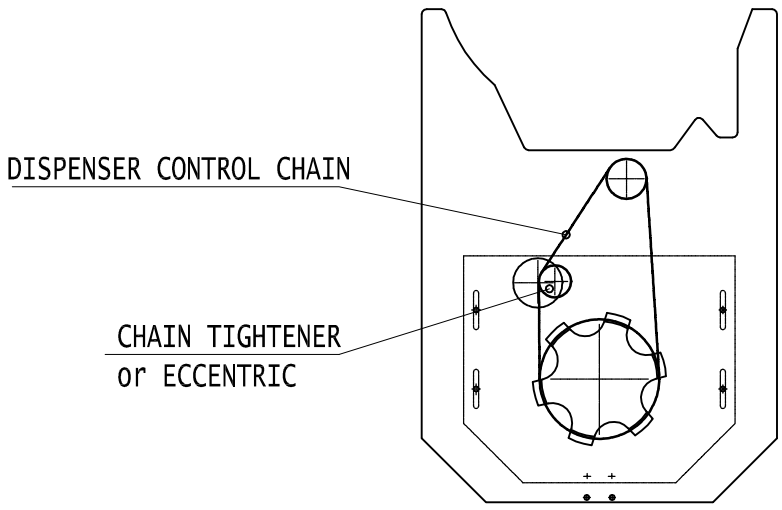


N.B. Regulate the tension of this chain with the side screw coneyor blocked (screw M12 key 19)

UPPER DISPENSER PLATE WITH SCREW DRIVE

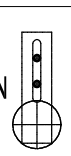


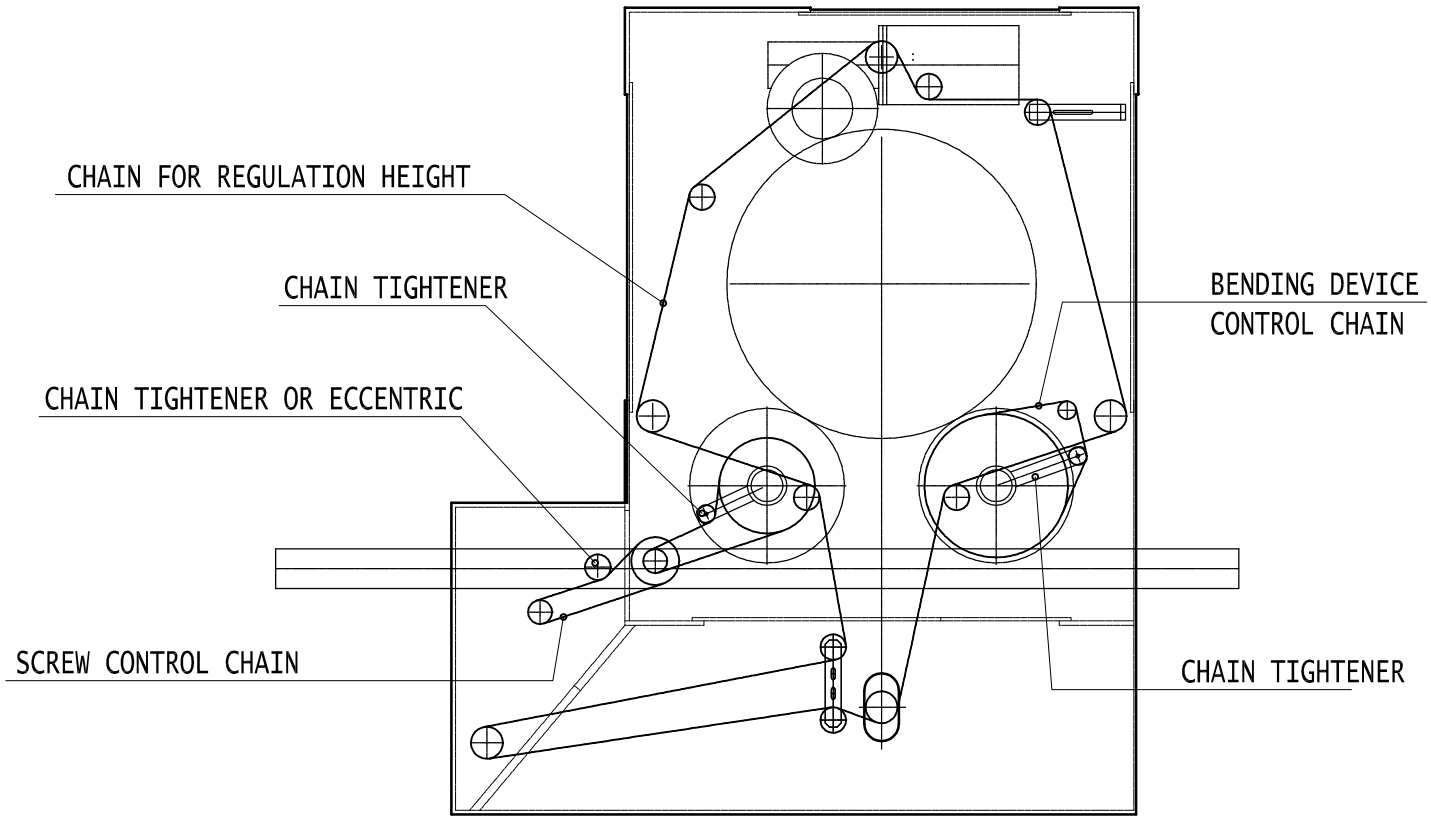
LOWER DISPENSER PLATE WITH DRIVE



BEDPLATE WITH DRIVE INSIDE

CHAIN TIGHTENER WITH REGISTRATION EYELETS



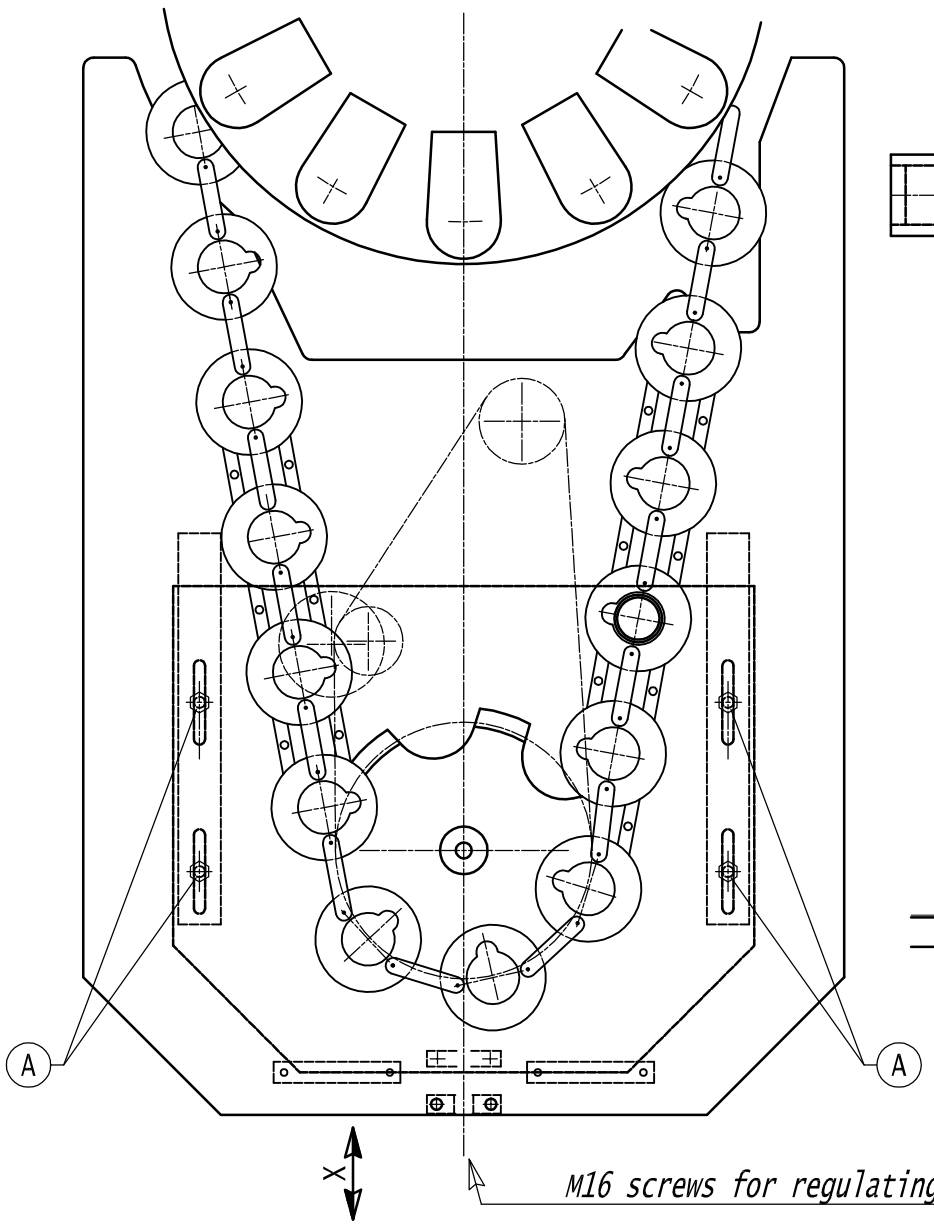


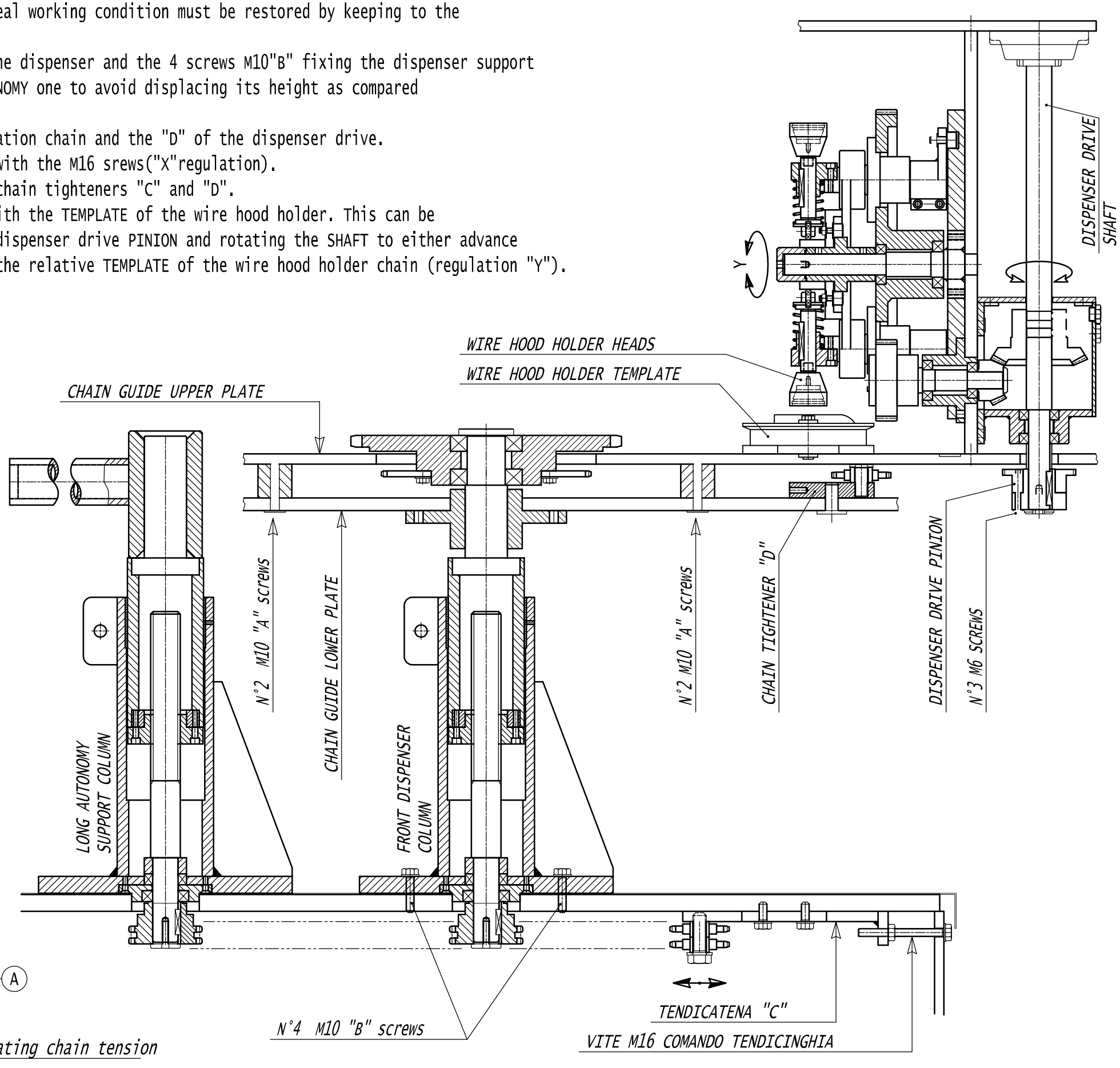
- CHAIN REGULATION FOR WIRE HOOD HOLDER -

When the WIRE HOOD HOLDER CHAIN is a little slack its ideal working condition must be restored by keeping to the following instructions:

- a) loosen the 4 screws "A" fixing the UPPER PLATE of the dispenser and the 4 screws M10"B" fixing the dispenser support FRONT COLUMN (be careful not to touch the LONG AUTONOMY one to avoid displacing its height as compared to the dispenser).
- b) Then loosen chain tightener "C" of the height regulation chain and the "D" of the dispenser drive.
- c) Regulate the tension of the wire hood holder chain with the M16 srews("X"regulation).
- d) Screw up the "A" and "B" srews again and block the chain tighteners "C" and "D".
- e) You will now see that the HEAD and is not aligned with the TEMPLATE of the wire hood holder. This can be remedied by loosening the 3 M6 screws blocking the dispenser drive PINION and rotating the SHAFT to either advance or delay the HEADS,putting them back in phase with the relative TEMPLATE of the wire hood holder chain (regulation "Y").
- f) Fix the dispenser drive PINION back onto the SHAFT.

LAY-OUT DISPENSER PLATE





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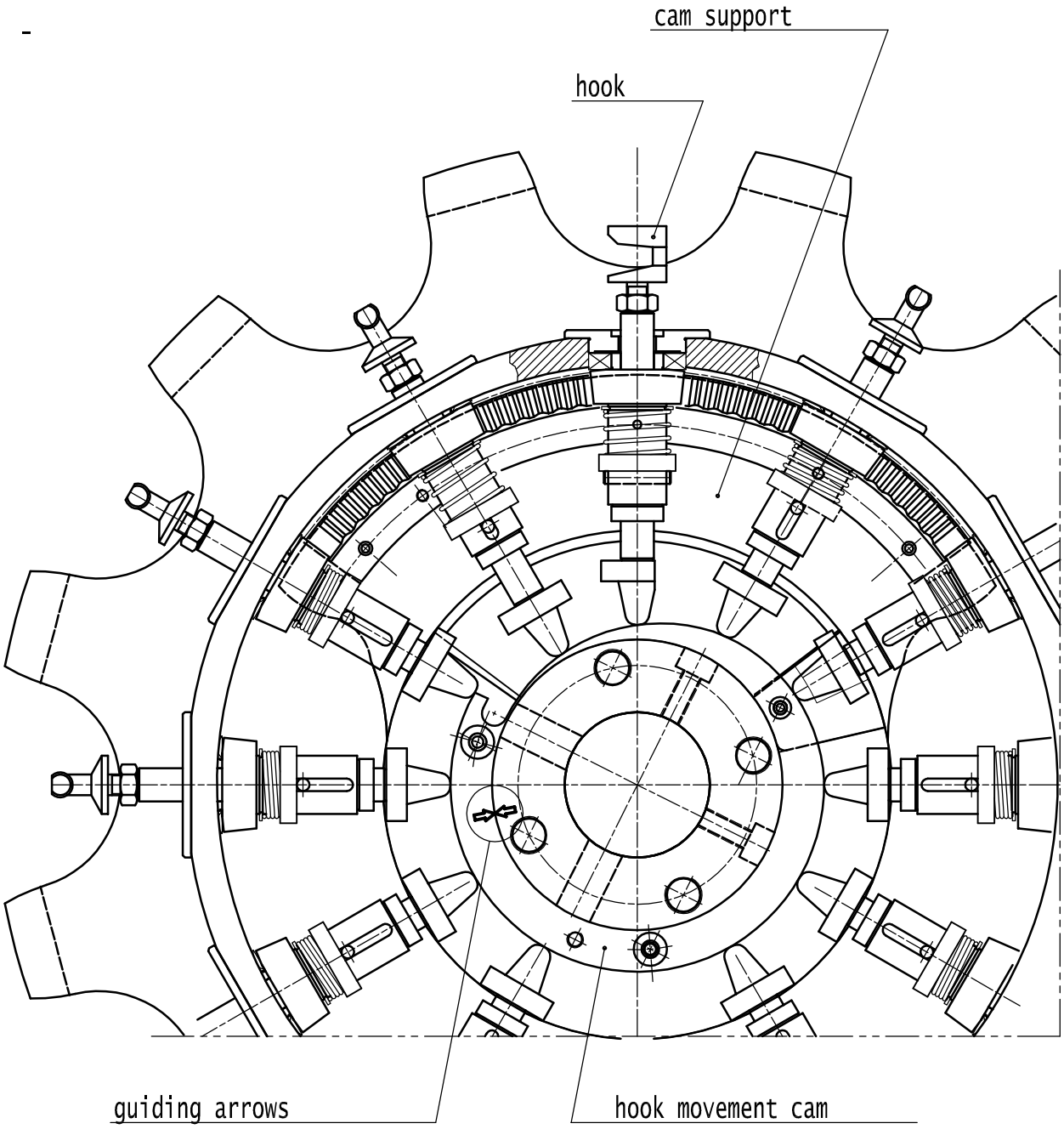
- HOOK MOVEMENT UNIT REGULATION -

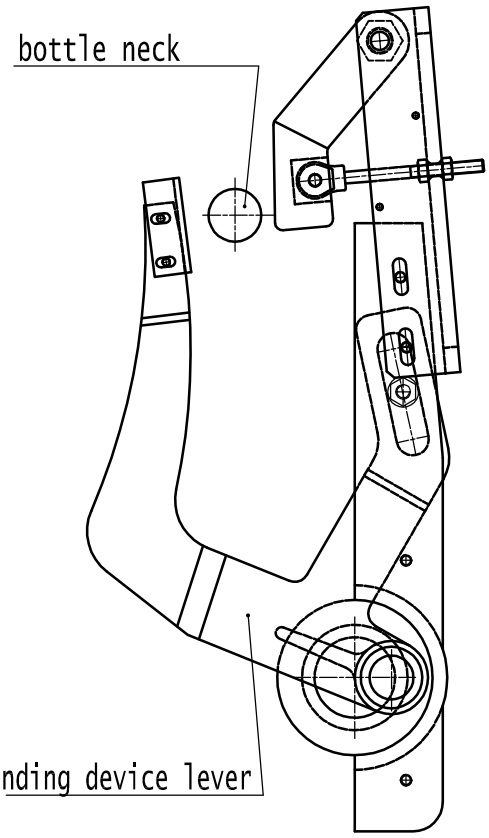
Interference between hooks and relative cams
could cause them to go out of phase.
A sensor will stop the machine if this should occur.
The CAM with its SUPPORT will then have to be
restored to its working position,indicated by two
arrows,witch must be aligned whit each other.
Using a lever,push the CAM SUPPORT sideways
and turn it around until it reaches the
right position.
-
-

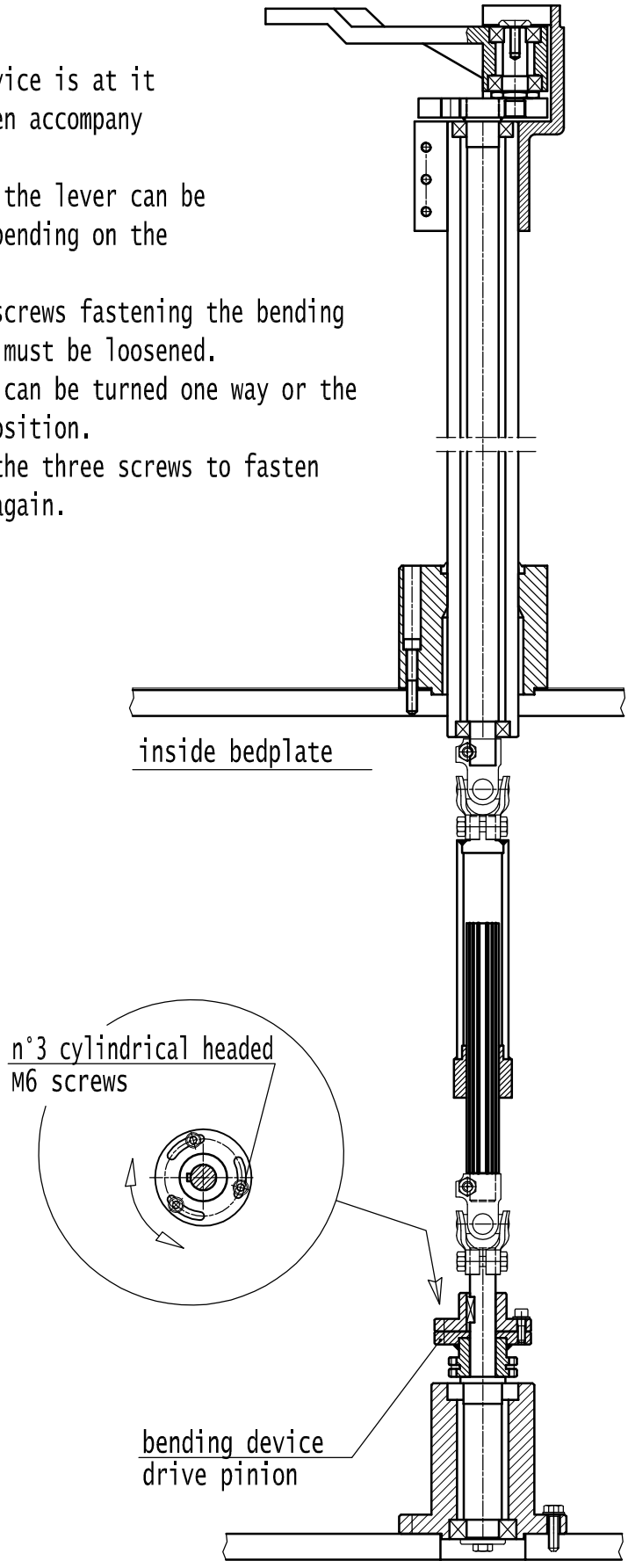


- BENDING DEVICE REGULATION -

Once the lever of the bending device is at it nearest to the bottle it must then accompany the bottle for a small distance.
To achieve ideal sinchronization the lever can be started in advance or delayed,depending on the situation.
The three cylindrical headed M6 screws fastening the bending device drive PINION to the shaft must be loosened.
At this point the bending device can be turned one way or the other until it is in the right position.
After this operation tighten up the three screws to fasten the bending device drive pinion again.

LAY-OUT OF BENDING DEVICE





- LUBRICATION PROGRAMME (specific for RECORD) -

- EVERY WEEK:
- Add oil to the TRAY for lubricating the CAM of the wire hood dispenser, remembering to empty the COLLECTOR CUP.
- Lubicate the cylinders

- EVERY MONTH:
- Grease points marked with "M"
- Clean and oil clamp slide RODS.
- Also lubricate the CENTRAL COLUMN SLIDE DRUM for size change proceeding as follow :

a) take the column to its highest level (following instructions given in the paragraph "CHANGE OF BOTTLE HEIGHT")
b) grease the outside of the slide drum of the central column using a brush
c) put the column back to the desired height remembering to tighten all the screws,which had been unscrewed previously.

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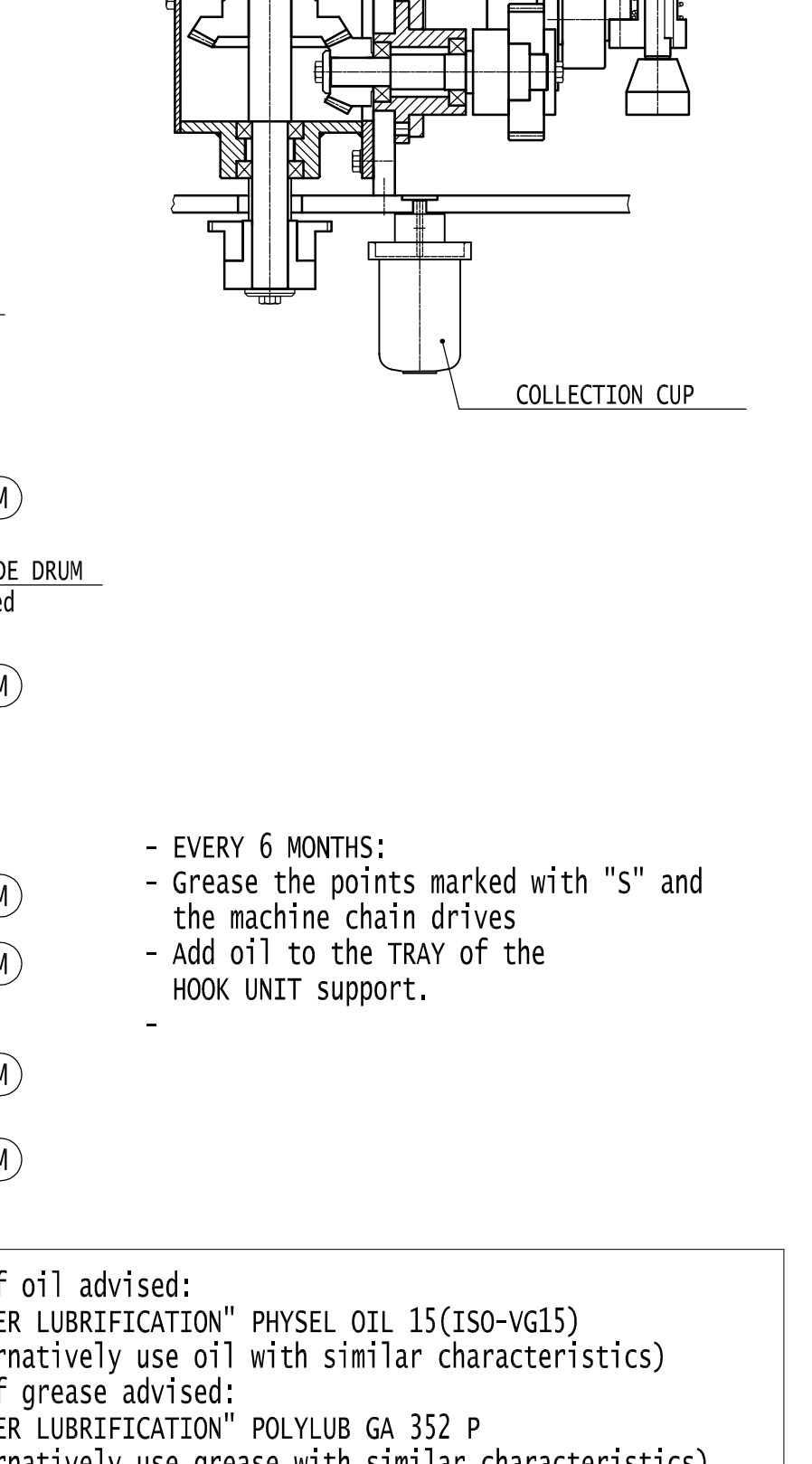
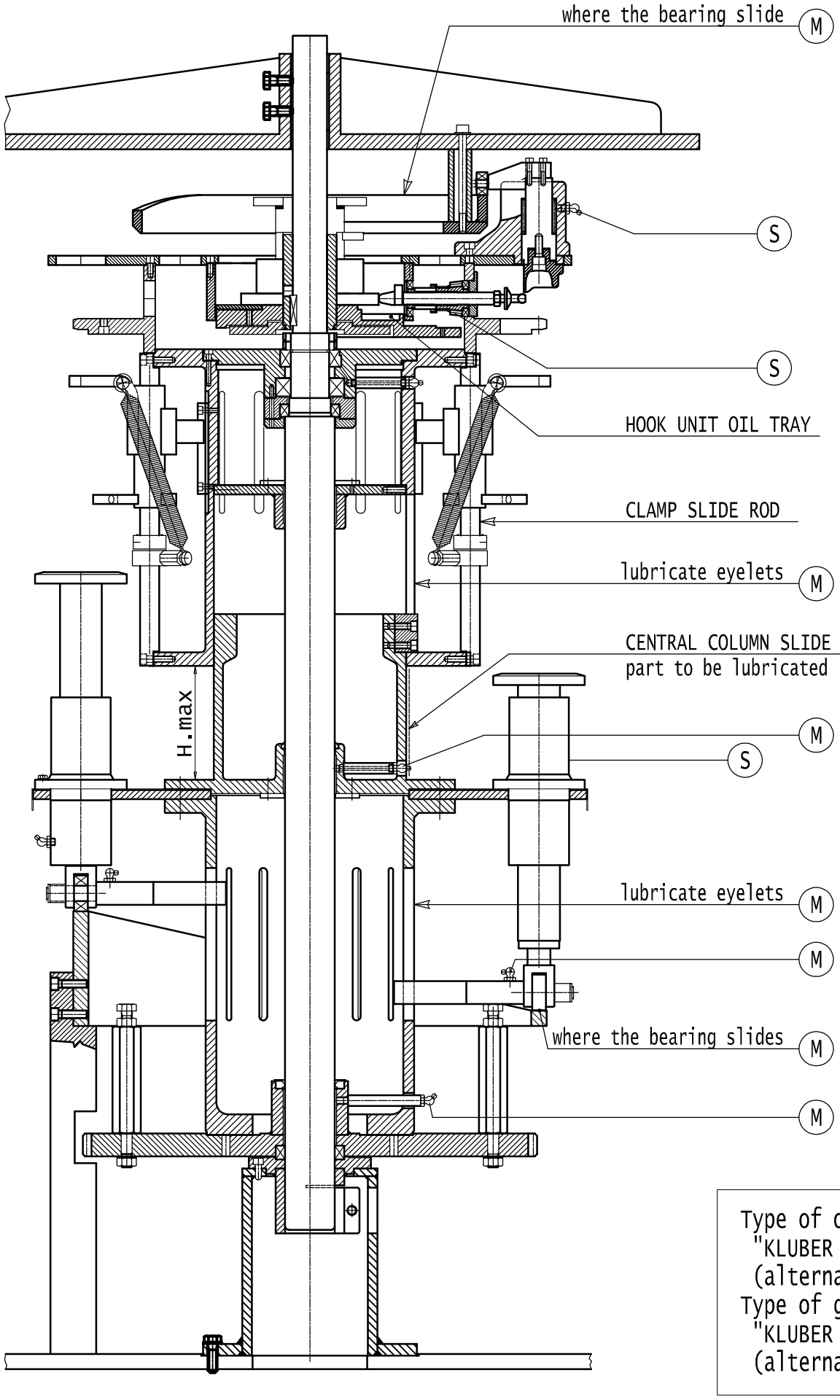
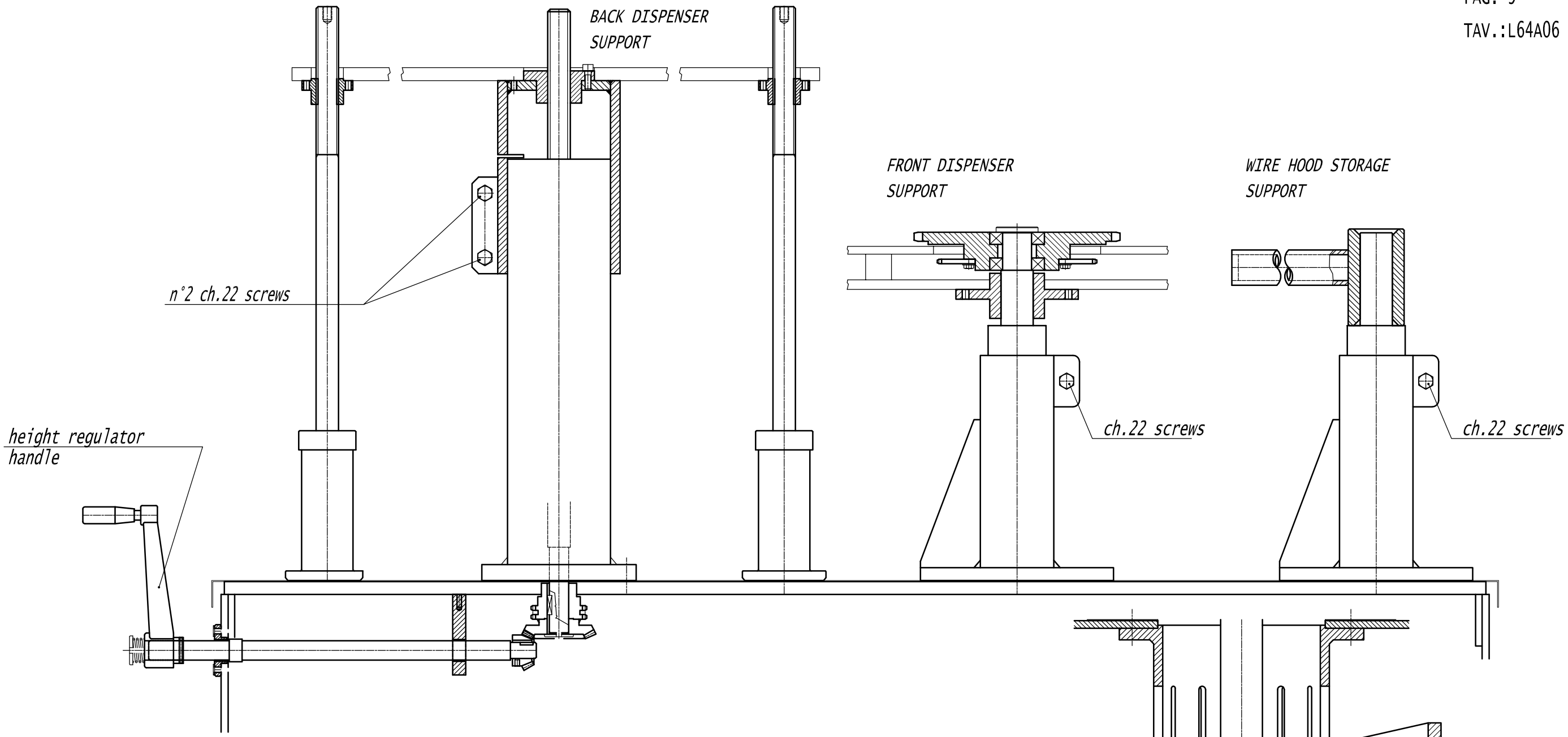
-





- EVERY 6 MONTHS:
- Grease the points marked with "S" and the machine chain drives
- Add oil to the TRAY of the HOOK UNIT support.
-

Type of oil advised:
"KLUBER LUBRIFICATION" PHYSEL OIL 15(ISO-VG15)
(alternatively use oil with similar characteristics)
Type of grease advised:
"KLUBER LUBRIFICATION" POLYLUB GA 352 P
(alternatively use grease with similar characteristics)



- CHANGE OF BOTTLE HEIGHT -

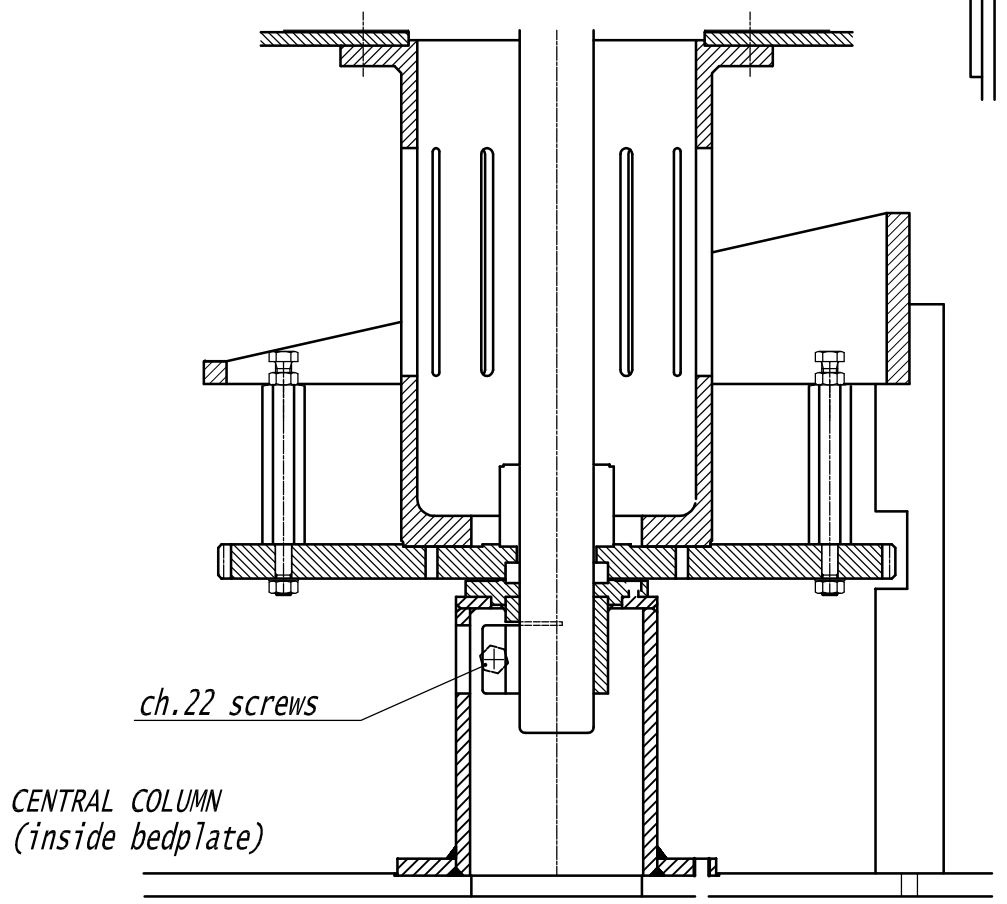
The following operations must be done with changes in the height of the bottles:

a) loosen the screws blocking the back and front suppors of the dispenser,of the wire hood storage,and the screw blocking the central column.
(These screws are all hexagonal heads key 22).

b) Turn the special HANDLE and move the units to the right height for working with the bottle.If the machine has been fitted with a motor driven height regulator, use the automatic control PUSH-BUTTON PANEL.

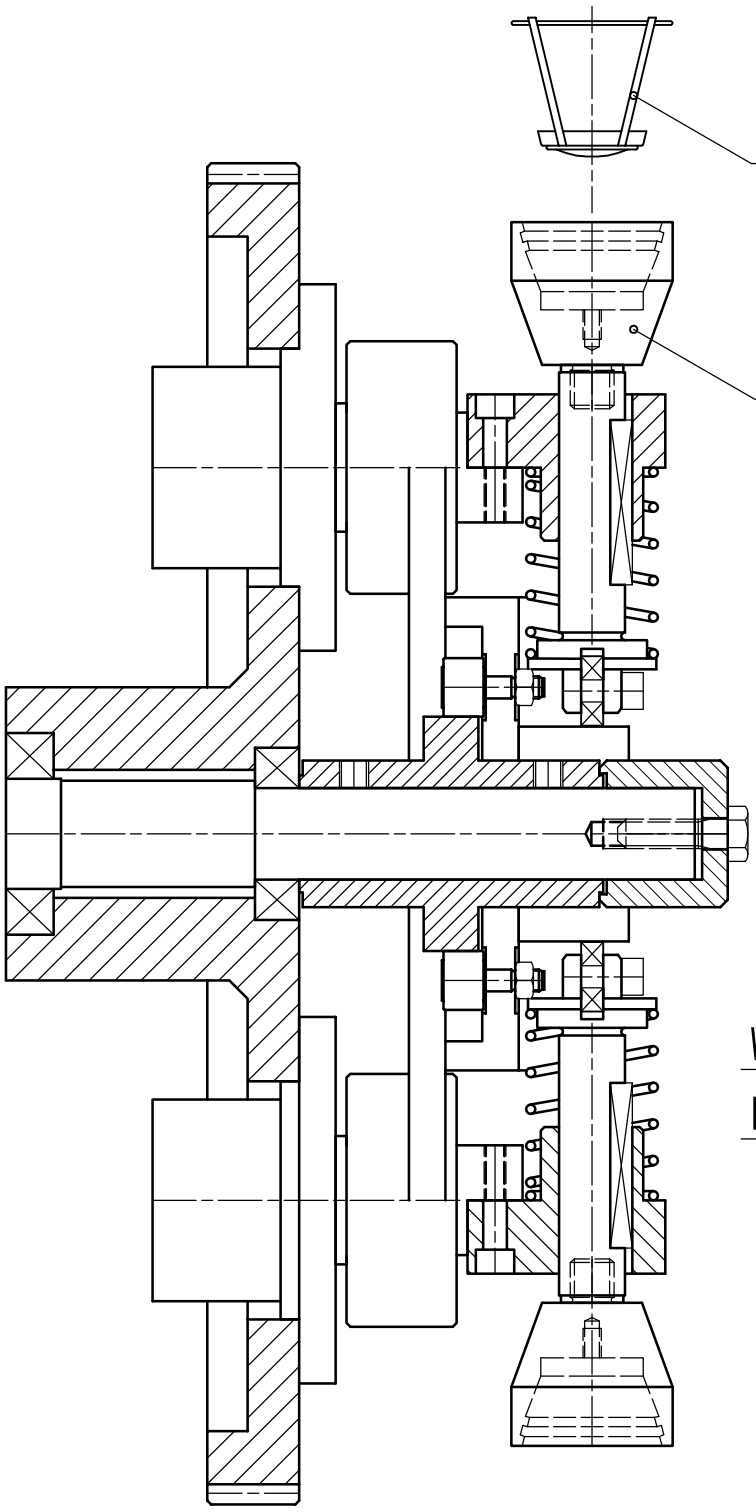
c) Tighten up the srews loosened previously at the end of the above operations.

-



- CHANGE OF WIRE HOOD SIZE -

Using a different type of wire hood, the HEADS for holding the wire hoods in the DISPENSER unit must also be replaced by appropriate ones.
Always send a sample when ordering them.



WIRE HOOD
DISPENSER UNIT

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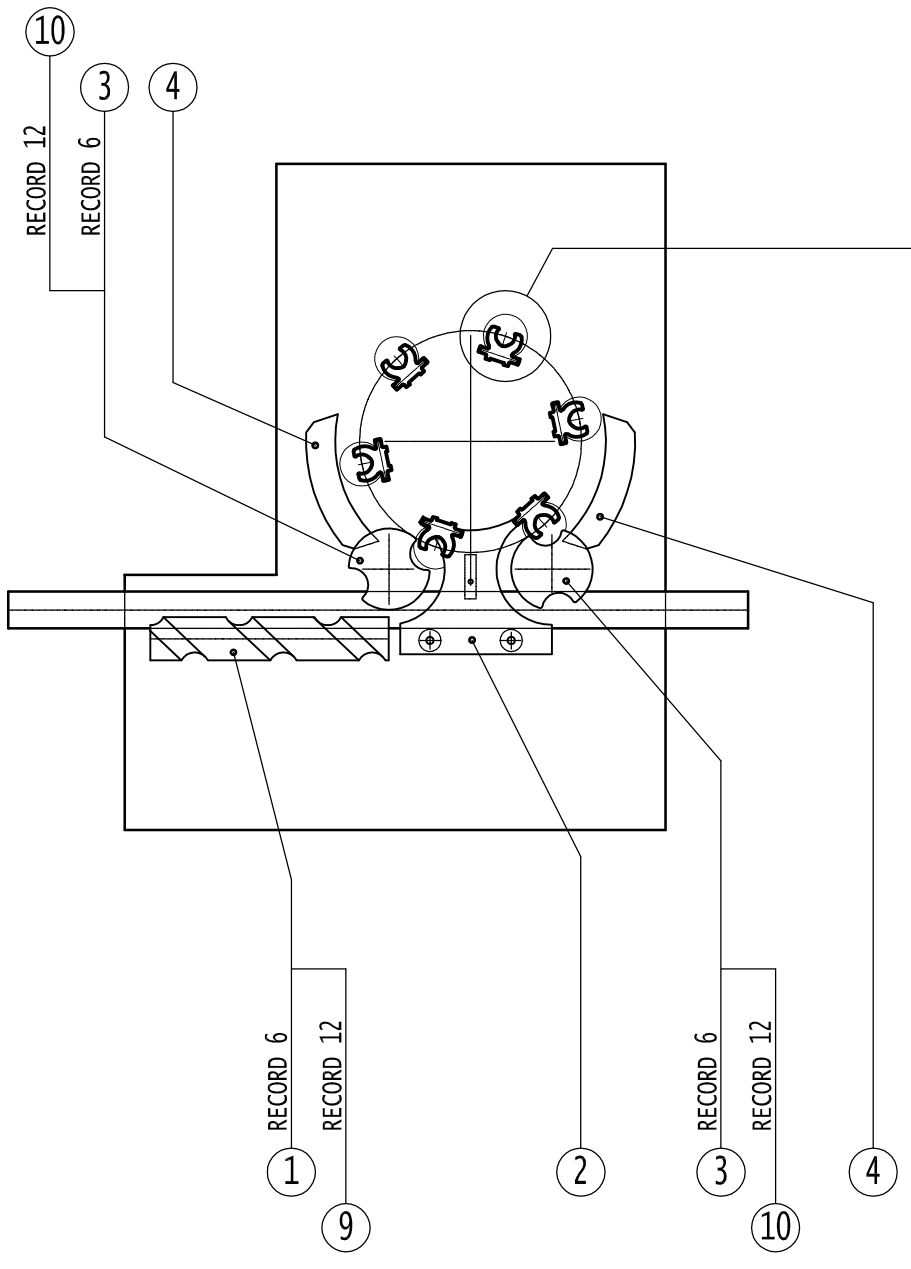
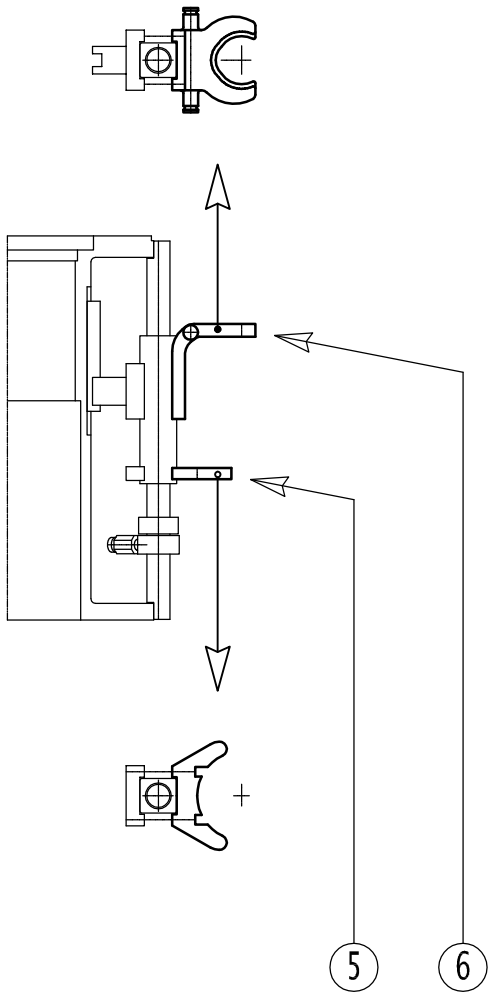
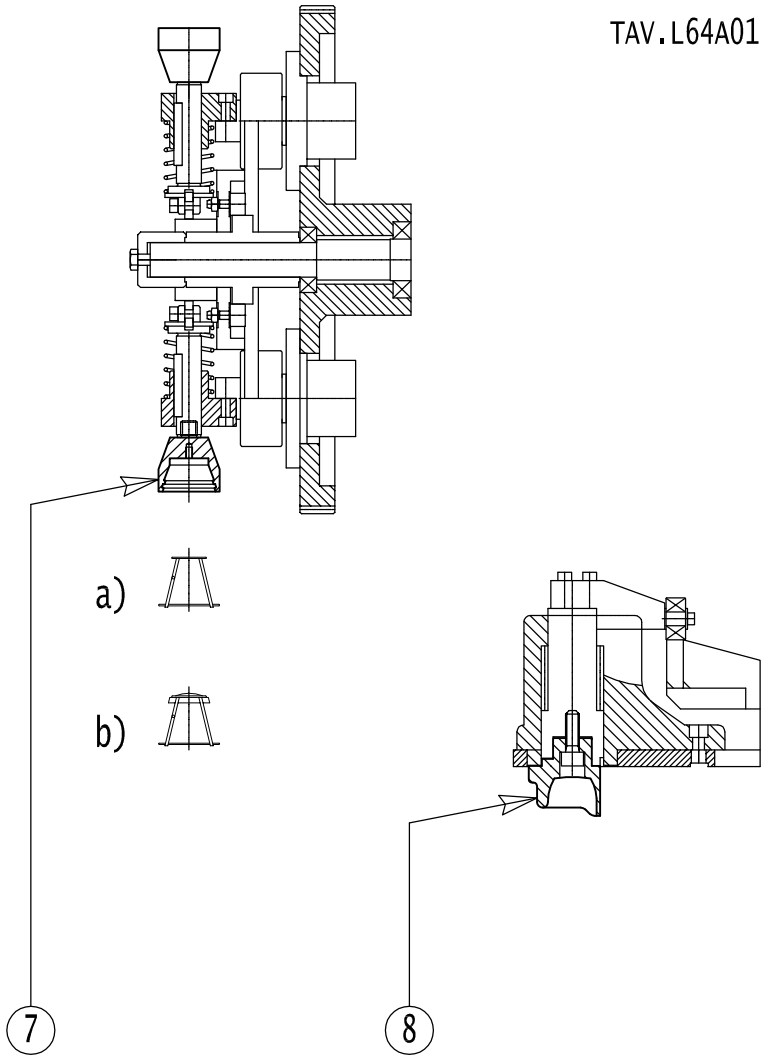
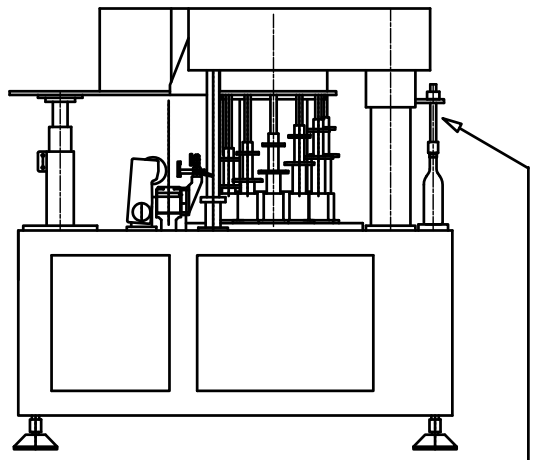


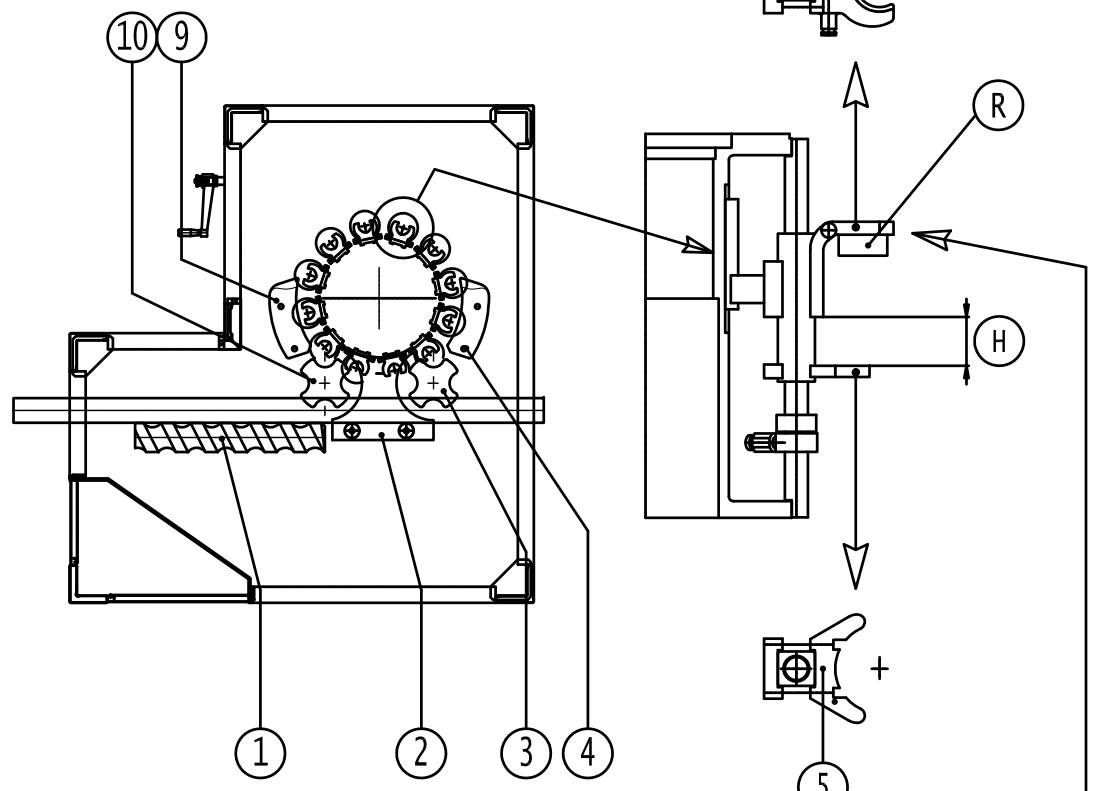




PART.NR. POS.NR. PART.NR. PART.NR. ITEM NR.	CODICE NUMMER CODE CODE CODIGO	QUANTITA MENGE QUANTITY QUANTITE QUANTITA	
		RECORD 6	RECORD 12
1	I64E00221800	1	-
2	I64B00208500	1	1
3	I64C00212500 + I64C00211400	1 + 1	-
4	I64XX0055 - I64XX0056	1	1
5	I64Q00248810	6	12
6	I64Q00248710	6	12
7	I82A00190000 - a) senza cappellotto	2	4
	I82A00190200 - b) con cappellotto		
8	I64T00253400	6	12
9	I65E00221900	-	1
10	I65C00213500 + I65C00211300	-	1 + 1



REGOLAZIONE ALTEZZA
REGLAGE HAUTER RECORD
REGULACION ALTURA RECORD



DITTA':
COMPANY: -
SOCIETE:
FIRMA:
FIRMA:

	ØBott. ØBott. ØBout. ØFlasche ØBotella ØFles	tipo bott. bottle type type bout. flaschentyp tipo botella Type fles	codice bott. bottle code code bout. flasche-nummer codigo botella code fles	COLORE COLOUR COULEUR FARBE COLOR COLOR	①	②	③	④	⑤	H	⑥	⑦	⑧	⑨	⑩	R	NOTE NOTES NOTES BEMERKUNGEN NOTAS NOTE
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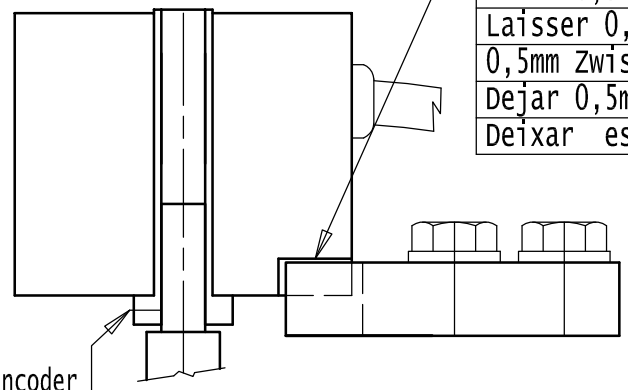
- MONTAGGIO ENCODER -
- ENCODER INSTALLATION -
- INSTALLATION DE L'ENCODEUR -
- IMPULSGEBER -
- MONTAJE ENCODER -
- INSTALACAO DO ENCODER -



- Non spostare il GRANO A PUNTA SFERICA MOLLEGGIATA dalla posizione in cui si trova.
- Do not move the THREADED PIN from the given position.
- Ne pas deplacer le GRAIN A POINT SPHERIQUE a ressort de sa position initiale.
- Die bestehende Position der Stellschraube mit gefederter Einrastekugel nicht veraendern.
- No mover el ESPARRAGO CON PUNTA ESFERICA Y MUELLA de la posicion en la cual se encuentra.
- Nao alterar a posicao original da CAVILHA ESFERICA

Scala 1:1

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- ORDINARY MAINTENANCE PROGRAMME -

TAV.: L640

- EVERY 8 HOURS (PER SHIFT)

- Air treatment units:
  empty condesation from the filter cup (see "LUBRICATION" table)

- EVERY 40 HOURS (WEEKLY)

- Air treatment units:
  add oil to the lubricating cup
- Also empty condesation accumulated in the air tanks
  (see "LUBRICATION" table)
- Oilthe side outlet of the screw with an oiling can and grease the collar bearing inside
  (see "LUBRICATION PROGRAMME").
- Add oil to the lubrication tray of the wire hood dispenser cam, remembering
  to empty the colleting cup (see "LUBRICATION PROGRAMME").

- EVERY 200 HOURS (MONTHLY)

- Grease:
  upper and lower central columns
  central shaslide bushing
  cam and journals for lifting piston
  cam for lifting wire hood heads
  upper support of dispenser drive shaft
  magnetic hear rotation cam
  slide lever for magnetic heads distribution shaft
  selection screw sleeve bearings
  (see point "M" in "LUBRICATING PROGRAMME" table).
- Clean and oil clamp slide rods.
- Lubricare the central column slide drum of the wire hooder.
  (see "LUBRICATION PROGRAMME" table).

- EVERY 1000 HOURS (EVERY SIX MONTHS)

- Grease the machinechain drive.
  (see "LUBRICATION" and " CHAIN DRIVE REGULATION")
- Grease:
  wire hood heads
  wire hood operating hooks
  hook rotation unit
  cylinder of bottle lifting pistons
  (see "S" marks in the "LUBRICATION PROGRAMME" table).
- Add oil to the tray of the hook unit support
  (see "LUBRICATION PROGRAMME" table).
- Control and adjust chain tension.
  (see "CHAIN DRIVE REGULATION").
- Check to see that fittings, piping, etc. are working properly

Type of oil recommended:PHYSEL OIL 15 (ISO-VG 15) made by "KLUBER LUBRIFICATION"
(alternatively use oil with similar specifications)
Type of grease recommended:POLYLUB GA 352 P made by "KLUBER LUBRIFICATION"
(alternatively use grease with similar specifications).

N.B. Do not wet the electrical parts when washing the machine (live parts, photoelectric cells, sensors, proximity, etc.). Do not spray with water.