



CIRIO GERMANO & C. di Cirio Andrea e Silvia snc

MANUAL ROLL PRESS HEAD WITH STAND



Maintenance guide and operation instruction



CIRIO GERMANO & C. di Cirio Andrea e Silvia snc

FOREWORD

Through these papers you get the information necessary for the operation and maintenance of the machine.

The appointees are kindly requested to look them through before its commissioning.

The user has to keep the machine in optimal conditions.

The machine functionality is ensured through inspections, ordinary and extraordinary maintenance.

KEEP TO THE SPECIFIC INSTRUCTIONS IN THE MANUAL.

The manufacturing company remains at your disposal for further explanations, if any.

REMARK

The manufacturing data mentioned above shall ALWAYS be stated as references whenever client and manufacturer communicate with each other, for both information and orders of spare parts.

Features, data and drawings shown herein are and remain the sole property of CIRIO GERMANO & C. and may be altered with no liability for notice.

The manufacturing company disclaims any liability for possible print mistakes in this booklet and for possible harm to people and property from the non-observance of the rules as stated herein.

Especially for harm from wrong operations, lack of maintenance, natural calamities and alteration, sabotage and damage actions.

Whatever part of the machine operated improperly or in inappropriate environments DOES NOT MAKE THE MANUFACTURING COMPANY LIABLE IN ANY SHAPE.

Besides the moral duty to avoid injuries to people, the specific standard requires safe machines; in addition, valid economic reasons do exist to prevent accidents.

Safety must be implemented starting from the engineering and shall involve the whole life cycle of a machine: engineering, erection, installation, tuning, function, maintenance and scrapping.



Progettazione/Costruzione

Installazione

Regolazione/Funzionamento

Manutenzione



MACHINERY DIRECTIVE

The directive on machines or MD (Machinery Directive) is a whole of rules established by the European Union that are meant for machinery builders and aim at setting up the essential health and safety requirements associated with the design and engineering of the machines in order to increase safety of the products put on the European market.

The New Machinery Directive 2006/42/EC has come into force since December 29, 2009.

It set forth that builders ensure the minimal safety requirements for the machines and the equipment marketed within the European Union.

The machines must be suited to the essential health and safety requirements as listed in the Exhibit I of the Directive, thus assuring the same lowest security and safety level for the whole European market.

Prior to putting a new machine on the market, manufacturers or their approved representatives within the EU must warrant that the machine is standard-compliant, make a Technical File available in the event of a reasonable inquiry from an authority, sign a "Declaration of Conformity" and put the mark CE.



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Manufacturer's liability

The builders that put machines on the European market must conform to the provisions as stated in the Machinery Directive.

"Putting on the market" means the case of a company, too, that supplies machinery to itself in order to build or alter machines for its own use or even to import machines in the territory of the European Union.

User's liability

It is the users' responsibility to ascertain that the new machines purchased do have the mark CE and do be accompanied by a Declaration of Conformity with the Directive.

The machines must be operated as instructed by their manufacturer.

The machines being in service before the Machinery Directive was enforced have to warrant their compliance with the regulations of the Directive on the Use of Work Equipment (Social Directive).

Legislation - Standards referenced

The Directive 2006/42/EC of May 17, 2006 (called new machinery directive) is implemented and enforced for Italy through the Legislative Decree 27 Jan 2010 no. 17 (publication of 19 Feb 2010, ordinary Supplement no. 36/L to the OFFICIAL GAZETTE General Section - no. 41) and supersedes the Directive 98/37/EC of the European Parliament (called machinery directive), published in the Official Gazette L 331 of Dec. 07, 1998, which concerned any sort of machinery and safety components individually put on the market (and amending in its turn the directive 89/392/EEC of the Council of June 14, 1989). This directive came into force on 29 December 2009 for whole Europe.

Other standards applied in the engineering / building and referred to in the manual:

- Machinery Directive 2006/42/EC
- EN/ISO 12100 Safety of machinery General engineering principles
- EN/IEC 60204-1 Safety of machinery. Electric equipment of machines.



General standards

- EN/IEC 13850 Safety of machinery. Emergency stops. Engineering principles
- EN/IEC 62051 Safety of machinery. Function safety of the safety-relevant electric, electronic and programmable electronic control and monitor devices.
- EN/IEC 61508 Function safety of electric, electronic and programmable electronic devices for safety applications
- EN/ISO 13849-1 Safety of machinery. Safety-related pieces of the control systems

Scope of the directive

This directive establishes the essential requirements as to public safety and health that the machines as described above must meet when being designed, built and operated till they are put on the market.

The directive distinguishes two macro-categories of machines:

- Machines to be certified by Third Bodies
- Machines that may be self-certified by their manufacturer.

For the machines as covered in the Exhibit IV of the directive, the compliance with the requirements as stated above is confirmed along auditing procedures carried out by special bodies (notified bodies).

For all other machines, it suffices to draw up and maintain a technical dossier in accordance with the provisions of Exhibit V of the directive.

In this case we talk about Technical Dossiers of Construction for the machines and of Pertinent Technical Documentation for the quasi-machines.

Every machine put on the market or altered after the directive has become effective must carry the CE mark and be accompanied by proper documentation. Items that do not meet the requirements as in the directive may not access the European common market and thereby the Italian market, which is part thereof.



Markings

Every machine must carry, in a readable and indelible form, at least following information:

- manufacturer's name and address
- CE mark
- series or type designation
- serial number, if available
- year of construction.

In case the machine is intended for explosive areas, it must carry the relevant information and display any appropriate instructions crucial for safety.

If a part of the machine has to be handled with lifting means during its operation, the mass of the machine must be displayed as well, in a legible and indelible way.

Machines not covered by the directive

Some machines are off the application range of this directive, such as:

- sea ships and offshore mobile units as well as the machines installed on board of such ships and/or units;
- lifts used in mine pits;
- transport means by air, by navigable paths or by railway networks, except the machines installed thereon;
- electric and electronic items covered in the directive on Low Voltage (2006/95/EC), such as:
 - electric appliances destined for household applications
 - audio and video appliances
 - electric motors
 - low voltage wiring and control devices
- some high voltage electric devices, such as:
 - transformers
 - wiring and control devices
 - every weapon (not only firearms)
- land and forest trucks (as to the risks not covered in the directive 2003/37/EC).



General engineering principles

The directive identifies as:

- Machines:
 - the assembly, equipped or meant to be equipped with a driving system other than the human or animal force itself, consisting of parts or components where one at least is moving, integrally joined with one another for a well defined application;
 - the assembly as in the paragraph above, which only lacks of elements for its connection with the operation site or for its wiring to energy and motion sources;
 - the assembly as in the 2 paragraphs above, ready for installation and only able to function after installation in a transport mean or in a building or construction;
 - the assemblies as in the 3 paragraphs above, of machines or quasi-machines, which are arranged and driven so as to have an integral function in order to reach the same result;
 - the assembly of parts or components where one at least is movable, integrally joined with one another and intended for lifting of loads, the only energy source of which is the human force itself.
- Quasi-machines: the assemblies that make up a quasi-machine but are not able, when apart, to ensure a well defined application - i.e. a driving system - and are solely destined to be built in or fitted to other machines or other quasi-machine or appliances to make up a machine.



Application range

The new revised machinery directive applies to following items:

- a) machines;
- b) interchangeable equipment;
- c) safety components;
- d) lifting accessories;
- e) chains, ropes and straps designed and built for lifting purposes as integral parts of lifting machines or lifting accessories;
- f) removable mechanic-drive devices;
- g) quasi-machines

Signposts

One of the needs of any workplace is primarily to have a posting system (a set of signals that convey a determined instruction through a combination of geometric shapes, colours and symbols or pictograms, the visibility of which is assured by a sufficiently intense lighting) to identify, for instance:

- the dangers (warning sign): a sign warning of a risk or danger - triangular shape, black pictogram on a yellow background, black contour (the yellow colour to cover at least 50% of the poster surface)
- the prohibitions (prohibition sign): a sign prohibiting a conduct which might have a danger run or brought about - round shape, black pictogram on a white background; red border and a red strip (slanting by 45° to the bottom from left to right across the symbol) (the red colour to cover at least 35% of the poster area)
- the obligations (prescription sign): a sign prescribing a particular conduct - round shape, white pictogram on a light-blue background, (the light-blue colour to cover at least 50% of the poster surface).



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TECHNICAL SERVICE

OVERALL AND SAFETY WARNINGS

. To keep users safe and to avoid any harm to the machine it is essential to know the whole instruction manual prior to perform any action thereon.

. This manual is an integral part of the machine and has to be maintained near the equipment to be easily and quickly consulted; it has to accompany the machine till its dismantling (even in case of transfer, sale, hire, lease, and so on.)

HOW TO REQUEST REMEDIAL ACTIONS AND SPARE PARTS

For whatever request to the machine installation company, please always provide the type of the machine, the identification number and the year of construction as shown on the machine data plate that identifies every single machine; whenever possible, please refer the sort of problem you have encountered or of the defect the machine shows.



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TECHNICAL FEATURES

Table of the technical features

Data of the machine:

MODEL: SPINNING HEAD 1400 RPM

ID NUMBER: 15/427

YEAR OF CONSTRUCTION: 2015

INPUT VOLTAGE: 220 VOLTS 60 Hz

TRANSPORT

PACKING, HANDLING, SHIPMENT AND TRANSPORT

Shipment and transport modes

The machine is shipped securely bolted at the bottom of a pallet.

The machine can be freighted as follows:

- on pallet
- unpacked
- in a wooden case or crate.



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Machine reception and unloading

On reception check that no visible harm is recognizable on packing and items. If harm is identified, reject the goods or mark on the transport bill "PICK-UP WITH RESERVATION DUE TO CLEAR TRANSPORT DAMAGE". Report the problem to the supplier and the responsible for the freight within 8 days as from receipt.

ATTENTION:

To unload and handle, please proceed as follows:

Make use of a lift truck or transpallet fit for the machine weight and size and for the situation of the handling zone.

Keep the packed machine as turned as shown by the pictograms and information provided on the outside of the packing.

To unpack the machine, lift it with a crane or a lift truck, then take away the wooden bottom.

Carry the machine to the installation place and take great care that the machine stands firmly on the lifting and carrying means.

REMARK:

Because of its height, it is advisable to securely fasten the machine to the blades of the lifting means by suitable ropes or strings.

Proceed in the reverse order for the packing, if any.

The manufacturing COMPANY is not liable for harm to people or to the machine from wrong manoeuvres and/or when performed by people not qualified for unloading/loading and installation of the machine.

UNPACKING

The packing has to be removed as follows:

- cut away or pull out the enveloping packing;
- take away the wooden frame, if available;
- take the machine off the pallet.



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CHOICE OF THE SITE AND CHECK OF THE REQUIREMENTS FOR INSTALLATION

You have to arrange for the required operative room availing yourselves of the smallest measures allowing the due movements of the operators.

In addition, the room must be:

- equipped with the appropriate electric power supply line;
- equipped with the appropriate air or water supply line, where it is planned;
- arranged with proper water drains for maintenance activities;
- equipped with containment systems in case of serious water leakages;
- sufficiently lightened.
- on operation, the machine lowers the room temperature: if necessary, arrange for ventilation systems for the temperature not to drop too much.

FITTING

- Make sure the mains voltage corresponds to the machine rated value; failing special requirements, the machine is ready to function with 380 Volts, 50 Hz with earthing cable.

IMPORTANT: the manufacturing company keeps relieved of any liability for possible harm to people or property from the earthing line not wired.

- Check the run direction. The central carousel to rotate clockwise on machines where bottles are conveyed left to right.
- Guard plates may be taken off by the authorized personnel only and solely when the machine is stopped.
- Clean and lubricate when the machine is stopped and the main switch is open in position "off".
- Do not leave work tools and clothes back on the machine: when the machine is running, they can cause **SERIOUS HARM TO PEOPLE** and the machine itself.
- Close the safety cut-outs of the accident prevention doors before starting the machine.



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- Changing the package arrangement and the relevant tuning is only permitted when the MACHINE IS STOPPED and to the authorized personnel.
- Unloading, installing and erection to be performed by qualified personnel only.
- It is severely prohibited to take off or alter the accident prevention device installed on the machine.

The machine operation and maintenance are only allowed to qualified personnel who is physically and mentally fit and not under the effects of drugs, alcohol or narcotics.

ATTENTION:

- The manufacturing COMPANY is not liable for harm to people and property in case of alteration or sabotage of the accident prevention guards the machine is equipped with.

It is strictly prohibited to put hands or things into the openings arranged for the bottles to run in and out in the working cycle.

DOT NOT LET PEOPLE FOREIGN TO THE WORK COME NEAR THE MACHINE.

When the machine is being maintained as scheduled or extraordinarily, a warning board has to be compulsorily displayed on the machine.

DO NOT WEAR:

- Clothing that might be entangled in the moving parts (scarfs, head scarfs, watches, rings, etc.)
- Shoes with slippy soles.



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MAINTENANCE

Check periodically that the rolls turn free and the elastics (item 6 TABLE 08) are in good conditions.

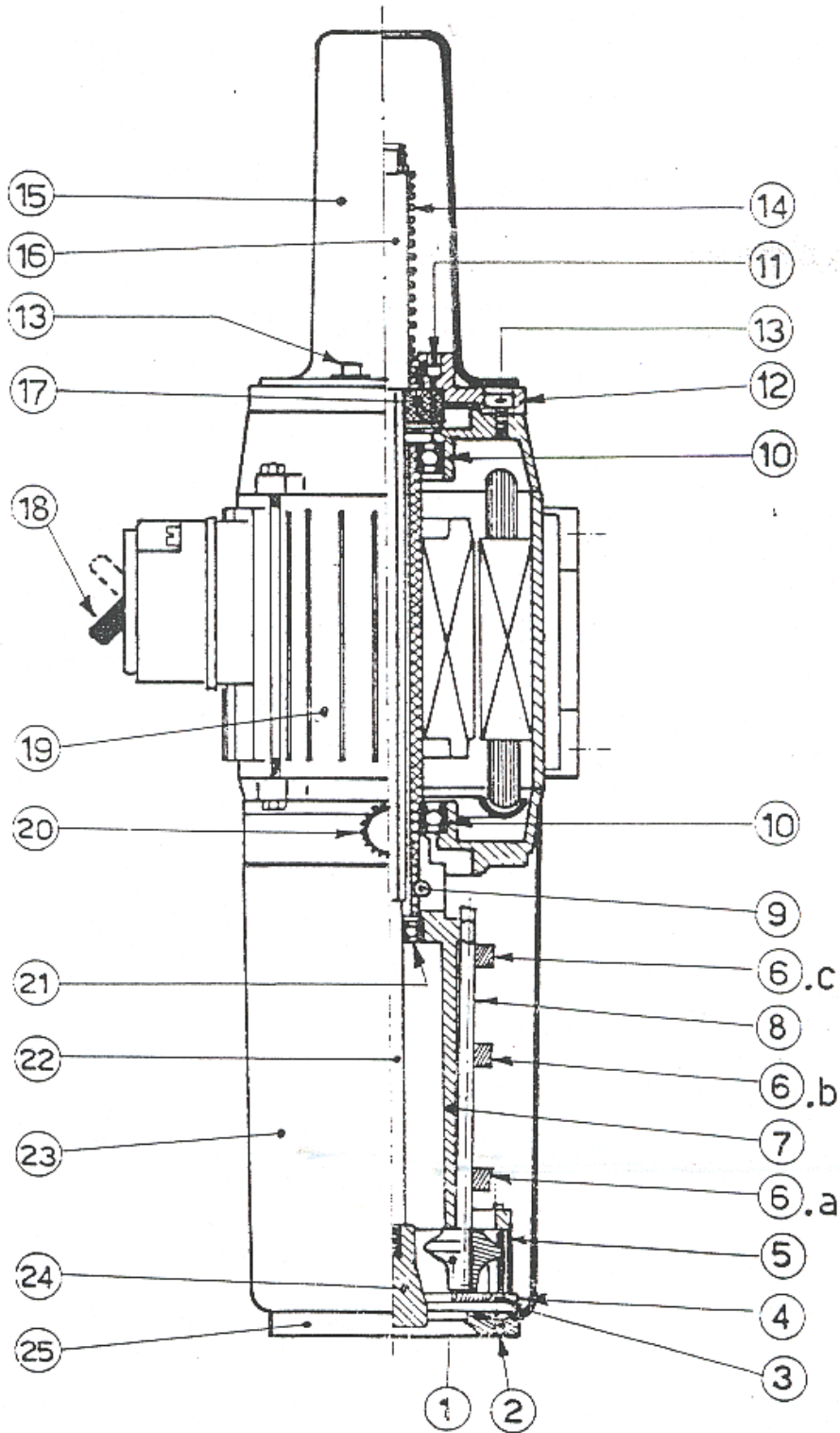
Every 100 working hours lubricate and grease the spring item 14 TABLE 08 and the rod with lubricating oil.



MANUAL ROLL PRESS HEAD

TAV.08

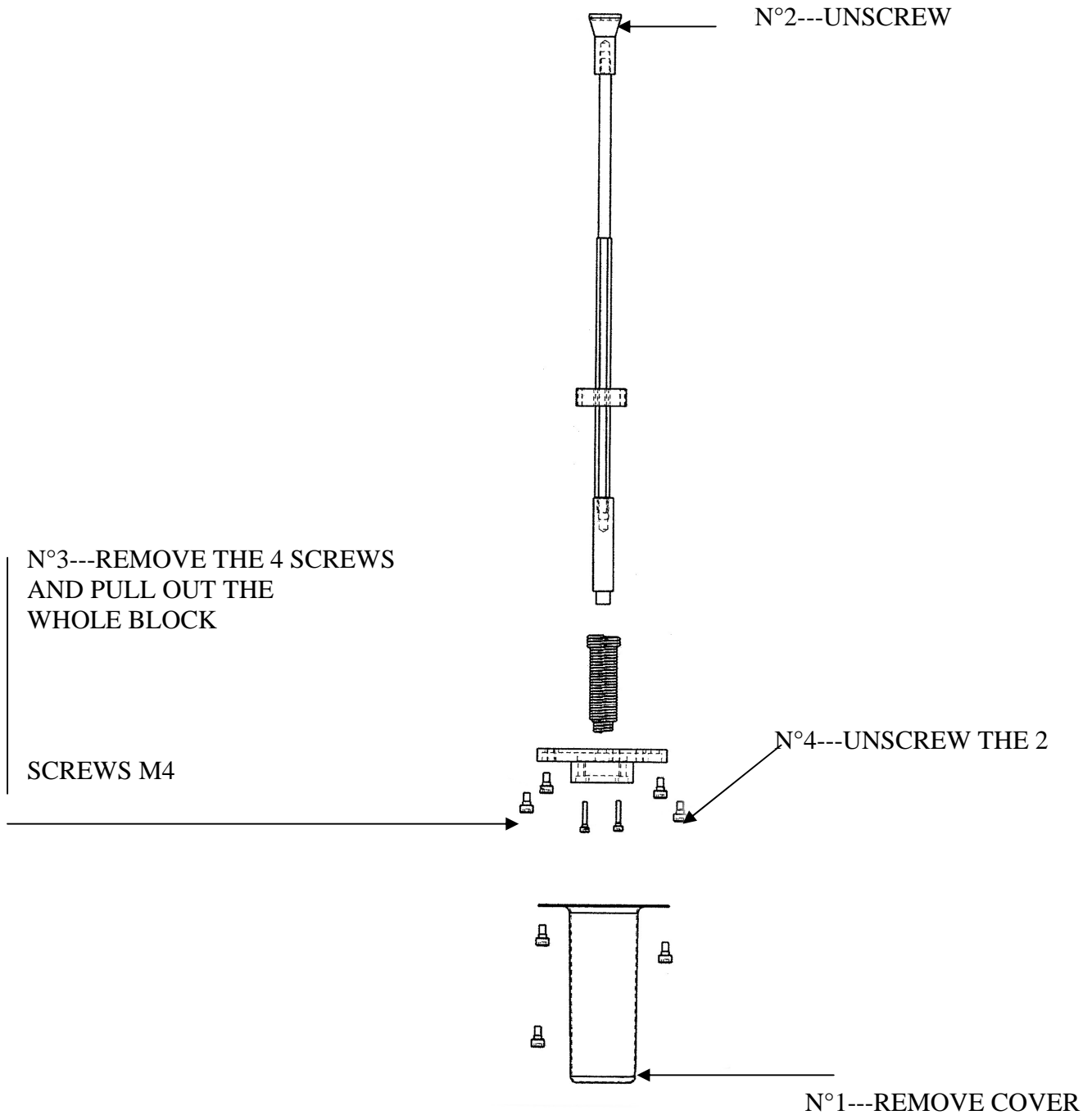
Item.	PART NUMBER	DESCRIPTION	Q.
1	0/Bc05.....	Red roll	6
2	VTSa5X10	Stainless steel countersunk screw M.5x10	3
3	VTSzn5X40C.....	Galvanised countersunk screw M.5x40 SEDE C.....	3
4	0/Bc02.....	Lower iron flange	1
5	0/Bc03.....	Brass spacer	3
6	0/Bc06.....	Spring ring	3
7	0/Bc01.....	Splindle	1
8	0/Bc04.....	Roll rod	6
9	BRUzn6X30	Galvanized Allen screw M.6x30	1
10	C.6004Z	Bearing	2
11	BRUzn4X16	Galvanized Allen screw M.4x16	2
12	0/Bb02	Spring blade flange.....	1
13	BRUzn6X10	Galvanized Allen screw M.6x10	6
14	0/Bb06	Central spring	1
15	0/Bb07	Central spring safety guard	1
16	0/Bb04	Spring guide pin.....	1
17	0/Bb03	Central spring rotation stop.....	1
18	XXX	Switch.....	1
19	MNB34P035.....	Motor.220/380 Hz50-PIEDI-G. 1400-Hp 0,35.....	1
20	Y10	B259/258 M8 Knurled hand grip	3
21	C.629-2Z.....	Bearing	1
22	0/Bb01	Central sliding rod	1
23	0/Bd01	Spindle safety cover	1
24	0/Bb05	Capsule pressing device.....	1
25	0/Bd02	Safety cover protecting ring	1



TAV. 08

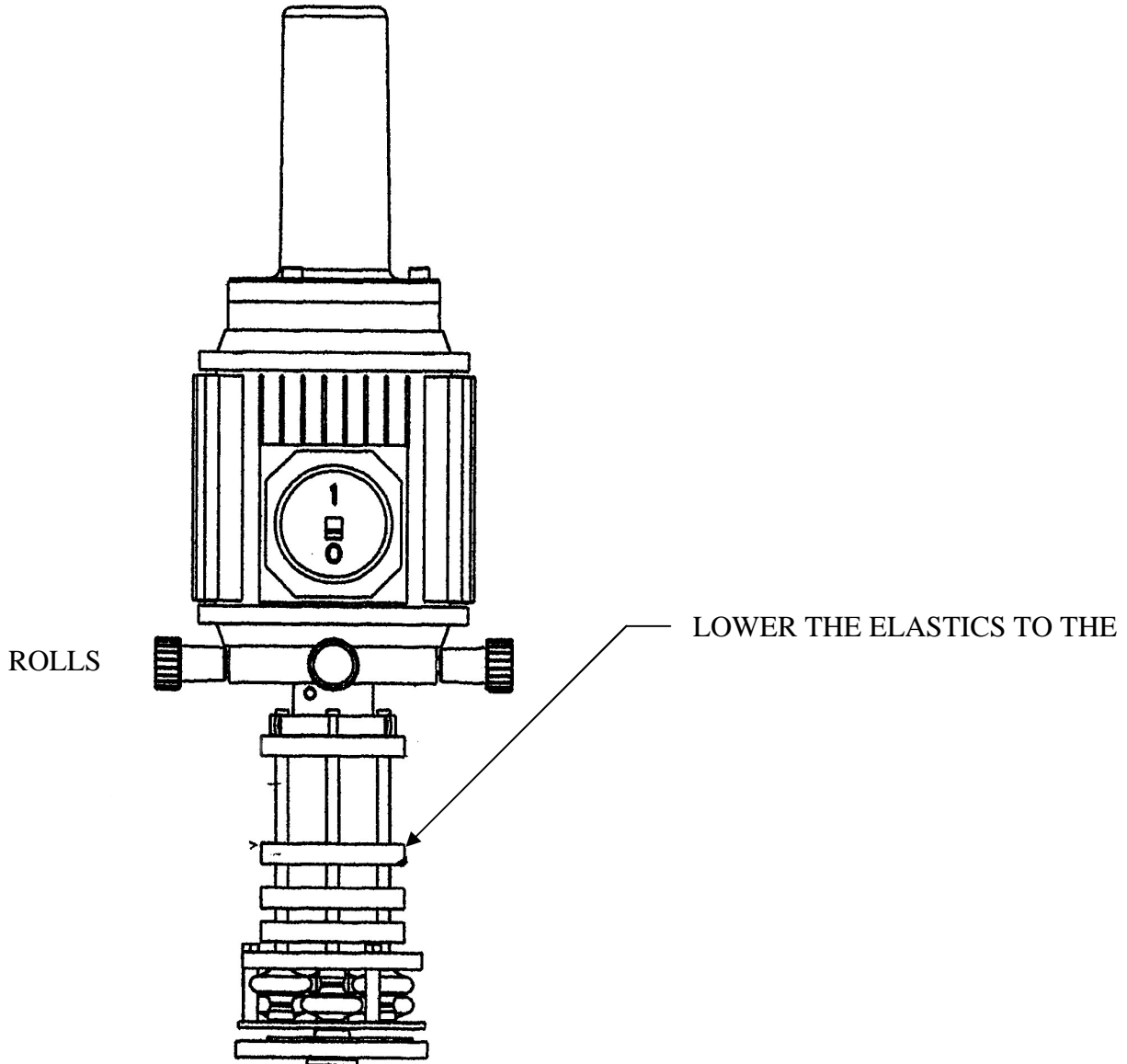


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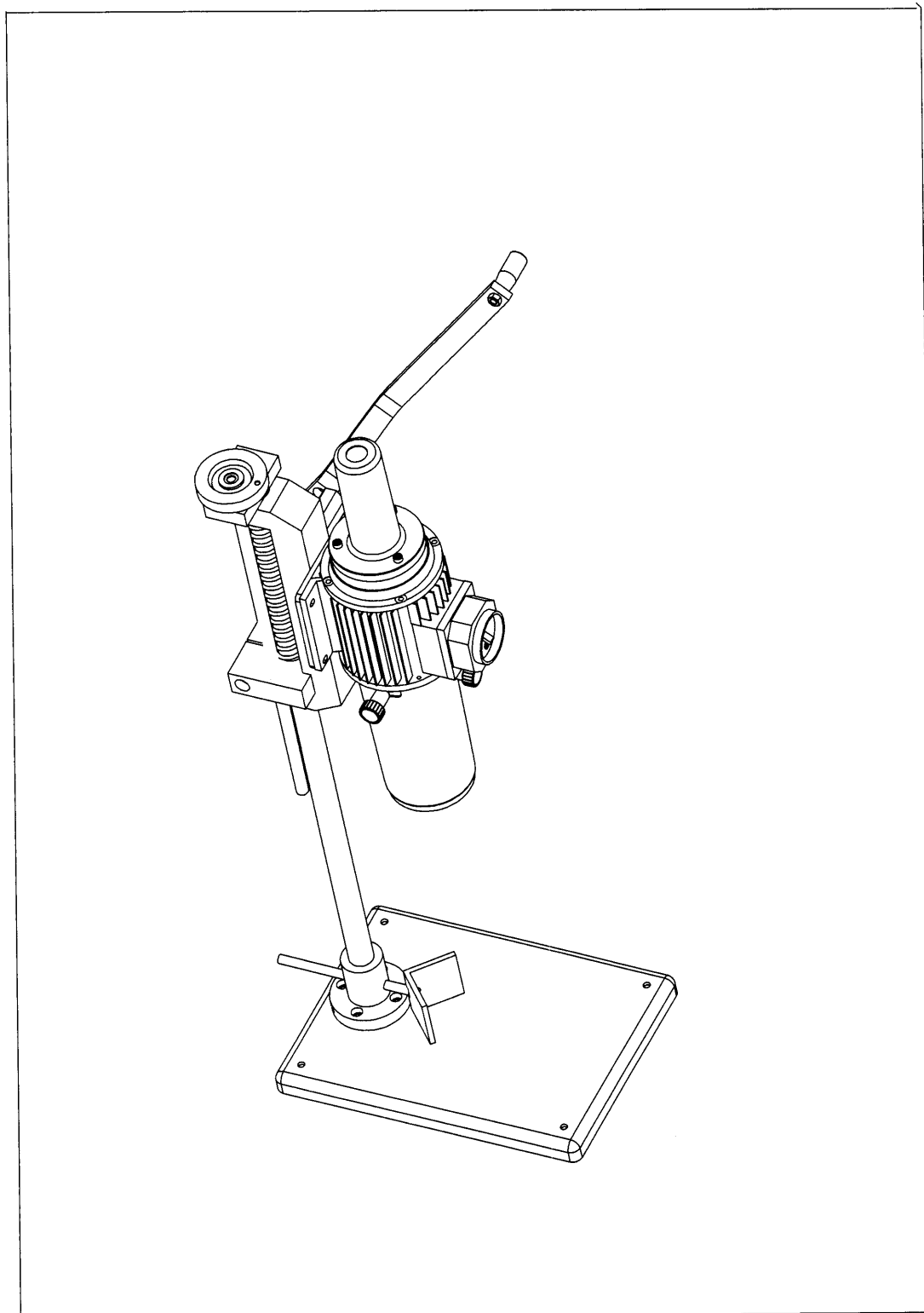
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IMPORANT !: IF ALL ELASTICS ARE LOWER, REPLACE THERE



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1	PART	004-01AA01	004-01AA01
2	PART	004-01AA02	004-01AA02
3	PART	004-01AA03	004-01AA03
4	PART	004-01AA04	004-01AA04
5	PART	004-01AA05	004-01AA05
6	PART	004-01AA06	004-01AA06
7	PART	004-01AA07	004-01AA07
8	PART	004-01AA10	004-01AA10
9	PART	004-01AA11	004-01AA11
10	PART	004-01AA12	004-01AA12
11	PART	004-01AA13	004-01AA13
12	PART	004-01AA14	004-01AA14
13	PART	004-01AA15	004-01AA15
14	PART	004-01AA16	004-01AA16
15	PART	MANIGLIA-ELESA	MANIGLIA-ELESA

