



DECLARATION OF INCORPORATION FOR PARTLY COMPLETED MACHINERY



This product complies with Directive 2006/42/EC on machinery

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indice

Premises	page. 4
purpose of the assembly instruction manual	page. 4
how to read the instruction manual	page. 4
storage of the instruction manual	page. 4
methodology for updating the instruction manual	page. 5
receivers	Page 5
general information	page. 6
declarations	page. 6
prohibition of commissioning.....	page. 6
safety regulations	page. 6
RESS applied and complied with.....	page. 6
technical support information	page. 6
customer-borne provisions	page. 6
assembly	page. 7
transport and handling	page. 7
storage	page. 7
predispositions, incorporation, and connections	page. 7
quasi-machine description	page. 7
operating principle	page. 7
main components	page. 7
environmental conditions	page. 7
maintenance	page. 8
maintenance status	page. 8
machine isolation	page. 8
special precautions	page. 8
lubrication	page. 8
routine maintenance	page. 8

PREMISES

1. Purpose Of The Assembly Instruction Manual

The purpose of this Assembly Instruction Manual is to provide all the information necessary for: il corretto assemblaggio della quasi macchina;

- the correct assembly of the semi-finished machine.
- a thorough understanding of its operation and limitations.

The managers of the company departments where this quasi-machine will be assembled are required, in accordance with current regulations, to carefully read the contents of this Instruction Manual and to have the assemblers assigned to the task read it as well. The time spent on this task will be amply rewarded by the correct functioning of the quasi-machine and its safe use.

This document assumes that the current occupational health and safety regulations are observed in the plants where the partly completed machinery is used.

The instructions contained in this manual are confidential technical information, strictly owned by the manufacturer, and may not be reproduced in any way, either in whole or in part.

The customer is also responsible for ensuring that, in the event that this document is modified by the manufacturer, only the updated versions of the Manual are actually present at the points of use.

2. How To Read The Instruction Manual

The Manual has been divided into separate chapters and is intended for assemblers, for whom the skills required to operate the semi-machine safely have been defined.

The Instruction Manual consists of a cover, a table of contents, and a series of chapters (sections).

Starting from the first page of the table of contents, there is a revision table for the Instruction Manual and its parts, which correlates the revision level of the entire Manual with that of the table of contents and the component chapters, and shows the date of issue of the entire Manual with a certain revision level.

The units of measurement used are those provided for by the International System (SI).

3. Conservazione del Manuale di Istruzioni

Il Manuale di Istruzioni va conservato con cura, e deve accompagnare la quasi macchina in tutti i passaggi di proprietà che la medesima potrà avere nella sua vita.

La conservazione deve essere favorita, maneggiandolo con cura, con le mani pulite, e non depositandolo su superfici sporche.

Non debbono essere asportate, strappate o arbitrariamente modificate delle parti.

Il Manuale va archiviato in un ambiente protetto da umidità e calore, e nelle prossime vicinanze della quasi macchina a cui si riferisce.

Il costruttore, su richiesta dell'utilizzatore, può fornire ulteriori copie del Manuale di Istruzioni della quasi macchina.

4. Storage Of The Instruction Manual

The manufacturer reserves the right to modify the design and make improvements to the partly completed machinery without notifying customers and without updating the manual already delivered to the user.

In the event of modifications to the partly completed machinery installed at the customer's premises, agreed with the manufacturer and involving the modification of one or more chapters of the Instruction Manual, the manufacturer shall send the owners of the Instruction Manual concerned the chapters affected by the modification, together with the new global revision model of the same.

It is the user's responsibility, following the instructions accompanying the updated documentation, to replace the old chapters with the new ones, the initial page, and the index with those with the new revision level in all copies in their possession.

The manufacturer is responsible for the descriptions in Italian; any translations cannot be fully verified. Therefore, if an inconsistency is found, attention should be paid to the Italian language, and if necessary, contact the manufacturer's office, which will make the appropriate changes.

5. Receiver

This manual is intended for assemblers and maintenance personnel.

Operator refers to the person(s) responsible for assembling or maintaining a partly completed machine.

Qualified personnel or qualified operator refers to the person(s) who has (have) completed specialization courses, training, etc., and has (have) experience in the assembly and maintenance of the partly completed machine.

Qualification of recipients

The Partly Completed Machinery is intended for industrial use, and therefore professional and not generalised use, so its use can be entrusted to qualified personnel, in particular those who:

- are of legal age.
- are physically and mentally fit to perform work of particular technical difficulty.
- have been adequately trained in the assembly of the partly completed machinery.
- have been adequately trained in the maintenance of the partly completed machinery.
- have been judged by the employer to be suitable for the task assigned to them.
- have the skills to assemble the specific type of equipment.
- are familiar with the specific rules applicable to the case.

GENERAL INFORMATION

1. Declarations

The partly completed machinery is manufactured in accordance with the relevant EU Directives applicable at the time of its placing on the market. Pursuant to Article 2 of the Machinery Directive 2006/42/EC, partly completed machinery means "assemblies which are machinery but which cannot themselves perform a specific application. A drive system is partly completed machinery. Partly completed machinery is only intended to be incorporated into or assembled with other machinery or other partly completed machinery or equipment to constitute machinery covered by this Directive."

The clutch brake assembly is a service component designed to be assembled on machines, systems, or other mechanical parts.

It covers a wide range of applications, capable of satisfying all customer requirements.

It is therefore advisable to select the type of product best suited to your needs, referring to the parameters of the relevant technical specifications.

The materials chosen for construction guarantee maximum resistance to mechanical stress and a long service life for parts subject to wear.

In designing the unit, particular attention was paid to heat dissipation, with measures to ensure self-ventilation of the parts subject to friction.

This feature makes the unit particularly suitable for applications requiring very frequent starts and stops.

The friction material used is asbestos-free. Once worn, it should be disposed of correctly in accordance with the laws in force in the country where it is used.

The relevant technical documentation has been compiled in accordance with Annex VII B.

The manufacturer undertakes to provide, in response to a duly justified request from the national authorities, information relevant to the partly completed machinery.

2. Prohibition Of Commissioning

The partly completed machinery cannot be put into service after undergoing structural modifications or additions of other components not covered by routine or extraordinary maintenance, without being declared compliant with the requirements of Directive 2006/42/EC and the applicable EC Directives.

3. Safety Regulations

The partly completed machinery has been manufactured in accordance with the technical standards listed below:

4. RESS applied and complied with

RESS from 1.1. to 1.7

5. Technical Support Information

The manufacturer may provide the customer with instructions for the assembly and use of the partly completed machinery, provided that it is used in accordance with its characteristics and for the functions for which it was designed.

6. Customer-Borne Provisions

The customer declares that they have selected the machine from among various types of products, having deemed it suitable for their needs, and after evaluating its technical characteristics and working conditions.

ASSEMBLY

1. Transport And Handling

The partly completed machinery can be transported with the normal precautions for this type of product.

2. Storage

When storing the units, it is important to bear in mind that there is a high concentration of weight in a small space. We recommend that personnel performing this task wear suitable equipment (safety shoes, helmets, gloves, etc.) in order to prevent the risk of accidents.

3. Preparations, Incorporation, And Connections

The customer is responsible for ensuring that the quasi-machine can be combined with other quasi-machines or other products. The manufacturer is not liable for any impossibility or difficulty in connecting and/or incorporating the quasi-machine, as it is not aware of the intended use of the quasi-machine.

PARTLY COMPLETED MACHINERY DESCRIPTION

1. Operating principle

Brake caliper assemblies are service components designed to be assembled on machines, systems, or other mechanical parts.

They are used on rotating or moving parts, where they brake or tension the motion.

2. Principal Components

Caliper brakes are composed of moving parts, with springs under pressure inside them. They must therefore be secured and protected in accordance with the requirements of Machinery Directive 2006/42/EC.

All assemblies are made with high-quality, asbestos-free materials, in compliance with regulations.

3. Environmental Conditions

The assemblies contain rubber membranes and/or sealing rings, which can generate toxic gases in the event of a fire. Firefighters working in small spaces are advised to wear gas masks.

MAINTENANCE

1. Maintenance status

The selection of the caliper brakes to be used and the correct use of the operating parameters shown in the technical data tables ensure the perfect efficiency of the unit.

It is therefore necessary to comply with the specifications of the units, carry out periodic maintenance, and replace worn parts to avoid machine downtime and prevent inconveniences.

Those involved in assembly and maintenance are advised to use suitable equipment (gloves, goggles, or other) for protection from loads and/or weights.

2. Machine Isolation

Moving parts must be protected in accordance with the provisions of Directives 89/893/EEC, 91/386/EEC, 93/44/EEC, 93/68/EEC, and 2006/42/EC, or equivalent standards in force in the countries where they are used.

3. Special Precautions

With new friction seals, the declared torques may be reduced by 30% to 50% until the friction parts have settled.

4. Cleaning

Worn friction pads and other materials that make up the assemblies are classified as non-toxic – harmful products. Therefore, they must be disposed of in accordance with and in compliance with the laws in force in the countries where they are mainly used.

5. Lubrication

Caliper brakes can be pneumatic or hydraulic (SAE-ISO 46 oil).

Oils, greases, and lubricants are used in extremely limited quantities. If you are allergic to these substances, we recommend wearing protective gloves or using protective creams, which should be removed by washing your hands thoroughly before eating or drinking.

6. Routine Maintenance

For the perfect efficiency of caliper brakes, it is necessary to periodically inspect (every 400 working hours) the parts subject to wear, such as friction linings (which must never exceed the maximum wear values allowed), the coupling clearances of the moving parts, their sliding, and the general tightening of the assembly bolts.

Excessive wear of the above parts alters the functionality of the assemblies, changing their technical characteristics.

Compliance with the specifications of the assemblies, periodic maintenance, and replacement of worn parts prevent machine downtime and possible problems due to incorrect use of the caliper brake assemblies.

Inspections and maintenance must be carried out by qualified personnel, carefully following the instructions provided by the machine manufacturers, who will indicate the position of the clutch brakes and the correct procedure for safely carrying out periodic inspections and maintenance.

	DICHIARAZIONE DI CONFORMITÀ UE EU DECLARATION OF CONFORMITY
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dichiara che / declare that

Prodotto/Product Name	FRENO A PINZA <i>caliper brake</i>
Codice-Matricola code / serial number	 (se prototipo in fase di validazione potrebbe essere possibile mettere NA oppure indicare prototipo o campione n° 2 , n° 3 ecc.)

E' CONFORME FULFILS

alla Direttiva 2006/42/CE relativa alle macchine
(procedura di valutazione in accordo all'allegato VIII)
directive 2006/42/EC "Machinery directive"
(conformity assessment according to annex VIII)
 Norme applicate/applied standards
 EN ISO 12100
 EN 60204-1

Altre direttive applicabili/other applicable directives
 Direttiva relativa alla bassa tensione 2014/35/UE
 Direttiva relativa alla compatibilità elettromagnetica 2014/30/UE
 LVD "Low Voltage Directive" 2014/35/EU
 EMC "Electromagnetic Compatibility directive" 2014/30/EU

Controllo interno della fabbricazione in accordo alla ISO 9001:2015
Internal Fabrication Control according to ISO 9001:2015

RENOVA applicando il marchio **CE** garantisce che il progetto, la costruzione delle attrezzature sopra menzionate rispondono ai requisiti della Direttiva **2006/42/CE**
 La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.

RENOVA by using the **CE** marking guarantee that design, construction of equipment mentioned above fulfil the requirements of the Directive **2006/42/EC**
 This declaration of conformity is issued under the sole responsibility of the manufacturer.

Luogo/place Data/date

Timbro e firma/ Stamp & signature

Renova srl a socio unico

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