

Pilatech Reformer Unit

Assembly and Maintenance Manual



Introduction

Pilates: the excellence in Pilates Equipment

- Pilatech equipment is the best you can find to practice the Pilates method in your Studio
- The materials used are the best available to ensure the required sturdiness and to ensure mechanical efficiency.
- The best of Italian craftsmanship combined with the beauty of wood help create an aesthetically very pleasing product.
- The components are easily assembled and disassembled to make them easier to transport.
- The maintenance and care required are kept to a minimum by the materials selected and the mechanical solutions used.
- Ergonomics: the workout surfaces have been designed, shaped and positioned to ensure the correct posture for every exercise.
- Maximum attention has been paid to the latest health and safety standards. The TÜV-GS certification provides the best assurance for your safety.
- Wide range of colors for the wooden frame and the upholstery.
- The metal used for the different parts of the product has been selected for specific requirements: aluminum for its sturdiness and light weight, stainless steel for its beauty and long life, special highly resistant steels to maintain the mechanical efficiency and withstand the wear caused of intensive use.

Pilatech Reformer Unit

The Universal Reformer, the original name chosen by J.H. Pilates, is the main piece of equipment used to practice the Pilates method. The Reformer Unit is an accessory to be fitted to a Reformer Pilatech (wooden frame models) that allows it to be turned into a hybrid, multi-function piece of equipment.

The Reformer Unit allows users to carry out many of the exercise typical of the Cadillac.

Its moving frame, to which the Tower bar and the springs eyebolts are anchored to, allows users to find the most suitable position for all their exercising needs.

Furthermore, the two Reformer Unit Boxes raise the level of the workout platform to the same height as the Cadillac workout platform.

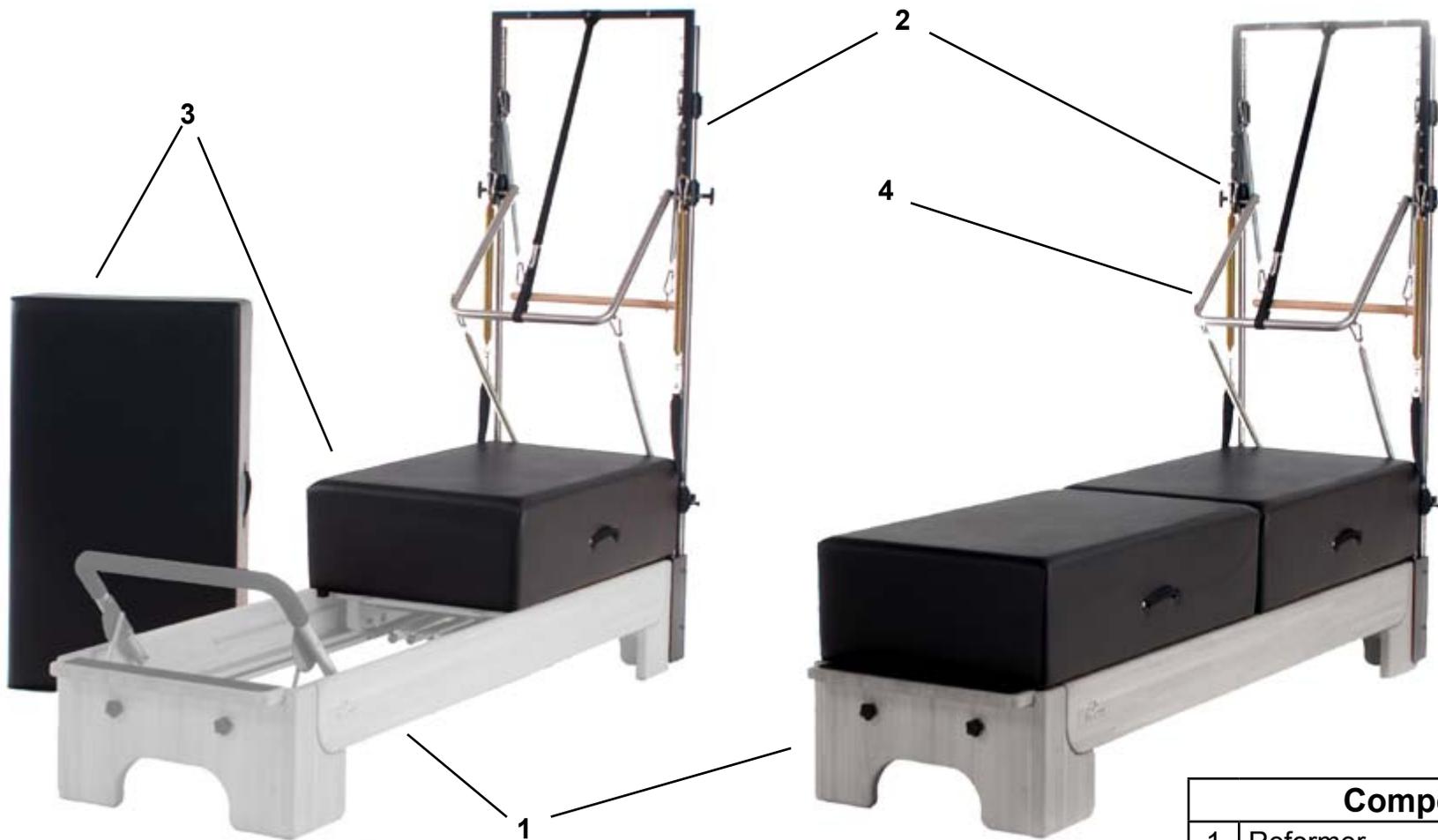
They can be positioned without having to remove the carriage: all you need to do is to release the springs and move it to the rear section of the Reformer.

This feature is essential during the workout, especially during rehabilitation work with patients with reduced mobility.

Without the two boxes, the Reformer has no impediments and can be used as if it did not have anything different.

This product datasheet complies with the requirements of law No. 126 of the 10 April 1991 "Consumer's information Standards" and with law decree No. 101 of 8 February 1997 "Enforcement standards"

All the Pilatech line product datasheets can be viewed and downloaded from our site www.pilatech.com



Components	
1	Reformer
2	Vertical metal frame
3	Reformer Unit Box
4	Moving Tower bar

All Pilatech pieces of equipment are individually pre-assembled and tested in our laboratories: this ensures that all the functional and aesthetic features are thoroughly checked in order to maintain the excellence we have been able to achieve over the years.

Warning!

Before installing the piece of equipment, the following checks must be made:

- Check the space where the piece of equipment will be used: the floor must be even, level and not slippery, to prevent the piece of equipment it from becoming unstable.
- The piece of equipment must be used or, when not in use, must be stored in a room where humidity and/or temperature do not change greatly (such as outdoors, near sources of heat such as radiators etc.) to prevent damaging the frame and negatively affecting its functionality and safety.
- Check sizes and weight: the floor must be able to withstand the combined weights of the product and of the user (“Enclosure B” on page 27).
- Make sure that there is at least 1 meter of clearance all around the product and that there is enough space to perform any exercise, to prevent the user from bumping into walls or objects nearby.
- Make sure that the area where the piece of equipment will be positioned is always monitored by the owner or by the person in charge of managing the premises.
- This piece of equipment must be used only on premises where its access is constantly monitored by the owner.
- Furthermore, the piece of equipment must never be accessed by children or people who are not qualified or authorised to do so.
- It is the owner’s responsibility to warn users that any exercising apparatus can be potentially dangerous when used without the guide of a qualified trainer, who will be able to recommend suitable exercises and therefore prevent any injuries.
- The maximum load shown on the piece of equipment must never be exceeded and any strenuous exercises must only be performed in the correct manner.
- A Pilates certified trainer is the only qualified person able to show users how to practice the Pilates method in total safety.

Certification

TÜV Rheinland Italia is the Italian branch of TÜV Rheinland Group, the world leader in assessment and inspection of products and management systems.

To be certified, a product has to be successfully tested and approved by a company specialized in certifying product safety and quality. The TÜV Rheinland Group issues a certificate based on the test results.

It certifies the product features and sets out the regulations to be complied with when carrying out the tests.

The certification can be very helpful to customers when making their purchase decision.

These decisions will no longer be based only on the information provided by the manufacturer, but also on the professional opinion of independent and unbiased experts.

First of all, the TÜV Rheinland Group carries out an inspection on a representative sample based on appropriate criteria.

These tests are normally carried out inside TÜV laboratories.

To ensure that the certificate covers the entire product range, TÜV experts regularly monitor production on the company's premises.

This procedure is implemented to check that the products manufactured match the representative sample inspected by the certifier.

By doing so, we can ensure that all certified products can maintain their certification.

The GS mark: quality assurance

End users often find it hard to select the criteria to base their purchase on. After all, who can immediately recognize the inner value of a product?

The GS mark, which has been around for over 20 years, is a widely recognized mark of safety assurance for all finished products.

The GS mark has become increasingly more valuable in the current market, where competing products are being manufactured by most countries in the world.

This mark, issued by an independent party such as TÜV Rheinland, is trusted by customers all over Europe.



TÜV-GS Qualitätszertifizierung
EN 20957-1 / 957-2, Class SC Type 2
Accuracy class C – Usage Class S

Although the GS Mark was first introduced in Germany, “GS” doesn't literally mean “German Safety” but stands for “Certified Safety”.

Safety features are normally evaluated, tested and certified in connection with the successful registration of trademarks.

The GS mark is voluntary, it follows the product to highlight that an independent party has checked all its safety issues and annually monitors their entire production.

The GS mark proves that:

- A representative sample of the product has been assessed, inspected and approved in relation to all its safety features.
- Production is inspected on an annual basis
- Being a voluntary mark, the GS mark ensures business and marketing benefits.



CE Marking

Unlike the GS mark, the CE marking is a manufacturer's self-declaration and doesn't prove compliance with all applicable directives.

For most products sold in the EU, the CE marking and the declaration of conformity are mandatory.

With the exception of some high risk products, the manufacturer can self declare that their products comply with the directive.

The CE marking is not required for fitness equipment with no electrical components, like the equipment required to practice the Pilates method, and there are no applicable EC directives for this type of equipment.

The TUV marking on Pilatech equipment is not a compulsory certification and shows our customers our will to offer perfectly functional and totally safe products, tested by an independent body.

GS Mark vs. CE marking	
GS Mark	CE Marking
Voluntary	Compulsory
Only appears on approved products	Appears on all products
Proof of testing and certification not proven through an independent third-party test laboratory	Testing is assumed but proven
Continuous product and production surveillance by independent third-party for the life of the certification	No market advantage; simply a manufacturer's self declaration of conformity
GS mark: a symbol of safety and compliance of products	CE marking: a symbol for trade with the assumption of conformity

Whilst the CE marking allows products to access the European market, it is not a quality approval marking. The CE marking is only a self declaration of the manufacturer's responsibilities. While enabling products to be sold in the European market, it allows free movement of goods, as well as the withdrawal of non conforming products.

How are the tests carried out?

A sample of the product is tests by TÜV Rheinland (<http://www.tuvitalia.com>).

The ultimate and crucial purpose of these tests is to prevent customers from being exposed to risks caused by using the product. Some risks could be sharp corners or overhangs, which could trap or “shear” the user’s fingers, or inadequate grips. Equally as important is the information provided to our customers – comprehensive user instructions, including warnings when necessary.

Another crucial procedure we offer is monitoring our production processes.

TÜV experts check on site if all the standard requirements and the legal obligations are complied with during the entire production process and if the product inspected during production has the same quality features of the sample tested.

This monitoring procedure is regularly repeated after issuing the certification.

This is the only way to ensure that the Quality certified by the GS marking is maintained at all times.

The TÜVdotCOM service

The TUVdotCOM ID is the access key to all certificates issued by TÜV Rheinland Group. By using this ten figure number, all the features of products, services or companies checked by the independent certifier can be accessed at any time on the web.

Simply enter the ID in the correct field of the TÜV www.tuv.com home page to view all test results.



Pilatech TUVdotCOM ID: 018665

TUVdotCOM ID is part of the TUVdotCOM brand.

The manufacturers can affix this marking to their certified products and certified companies can print it on their headed papers, catalogues and other documents.

By using the TUVdotCOM ID, customers, wholesalers and retailers can quickly access all the most relevant information on the web site (the ID is also printed on the mark).

By independently carrying out safety and quality issues, customers are ensured peace of mind, communications and purchase decisions are made easier and a common trust is created; furthermore, manufacturers' marketing efforts are supported.

A product or company can be identified in just a few seconds by entering their TUVdotCOM ID.

Customers can also verify if the testing mark is not genuine.

If a product has a false ID, for example, all you need to do to uncover a fraud is to check its description on the web.

Warranty

Pilotech guarantees that all their newly manufactured products are free from manufacturing defects, both as far as the materials used and the assembly procedures.

Each piece of equipment is pre-assembled and individually tested.

The Pilotech warranty becomes effective from the date of purchase and is a lifetime warranty.

The parts subject to wear are covered by a one year warranty.

The upholstery is not covered by the warranty.

Any part of the equipment found to be defective, damaged or not matching with what was ordered must be notified as soon as possible and no later than 8 days after the product is received.

In addition, the warranty does not cover damages like tears, cuts, burns, stains, damages caused by using cleaning products not recommended by Pilotech, damages caused by external agents or by any improper use, without following the cautions provided in this manual.

If repairs or replacements are made under warranty, the new parts will be made of the same materials, if available, as the original parts. If not, they will be made of a very similar material.

The warranty does not cover damages caused by shipping if no insurance has been specifically requested for shipping damages.

“Enclosure D” lists all the parts subject to wear, for all our products, as well as the inspection intervals to be implemented to ensure their safety.

The warranty will become void if:

- The piece of equipment has been damaged, neglected, improperly used, misused or deteriorated for causes other than normal wear and tear.
- The product has not been periodically inspected and/or there is no current servicing contract
- The product has been assembled by incompetent people and, in any case, without following the correct instructions.
- Worn parts have been replaced with non genuine parts
- Repairs have been carried out by non Pilatech staff
- The product is no longer owned by the first purchaser.

After the material or workmanship defects have been identified, Pilatech will repair or replace the defective component, or the whole unit, at their own discretion.

The parts repaired or replaced will be warranted for the warranty period remaining on the original product purchased.

The warranty does not cover shipping costs, customs charges, or any expense paid to install the shipped parts.

The warranty does not cover any compensation for direct or indirect damages, caused by people of by product defects.

Field of Application

Pilatech fitness equipment is designed to practice the Pilates methods, to be used by professionals inside suitable facilities, with the supervision of qualified staff.

The equipment can be used for rehabilitation purposes only by professional with the qualifications required by the country they operate in.

To view examples of exercises you can carry out with the SPLIT Reformer, its Tower Unit, as well as the posture exercises you can carry out on our pieces of equipment, go to <http://pilatech.com/it/prodotti/esercizi-e-postura.html>

Maintenance

The level of safety and efficiency of this piece of equipment can be maintained only by regularly checking all its components.

NB: If you find any damaged, broken or worn part, please notify Pilatech Srl as soon as possible to have the part replaced or repaired by one of our service engineers.

In the meantime, do not use the equipment.

More specifically, periodically assess the condition and the correct assembly of the following components:

- **Frame:** The wooden part must be cleaned with a damp cloth and a small amount of mild soap. Never use alcohol based or harsh cleaning products. Use a brush to remove any dust collected in all recessed areas.
- **Metal parts:** The metal parts do not normally require any maintenance. Clean the metal parts with the same cloth used for the wooden frame.
- **Blocks and clam cleats:** These components do not normally require any lubrication. Make sure they are kept clean at all times. Check that the clam cleats close correctly and make sure the blocks can move freely.
- **Ropes and straps:** pay special attention to the wear and tear of the ropes and the stitching on the straps. If in doubt, replace them.
- **Upholstery:** The upholstery must also be cleaned with a damp cloth and a small amount of mild soap. Alcohol based and harsh cleaning products must never be used as they could remove the surface protective film, turning into a porous surface, which would trap more dirt.
- **Screws:** Periodically check that all the screws are securely tightened, i.e. the screws used to assemble the chair and those used to fix it to the wall. If they require tightening, use the tools supplied or a Phillips head screwdriver of the correct size.

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Before using the piece of equipment

Carefully read this instruction manual.

Open the boxes in the order shown and follow the instructions shown by the associated pictures.

Make sure that all safety instructions are followed.

Assembly tools required

The tools required to assemble the product are already included in the assembly kit.

Do not open the boxes with sharp tools to avoid damaging their content!

Checking the integrity of packaging

Before signing the Delivery note, carefully check the packaging to make sure it has not been damaged during transport.

Even minor breakages can cause major damages to its contents.

If damages are found, **do not sign the delivery note** or write “**Collected with right to check**” on the courier’s delivery note.

This allows customers to claim compensation from the courier.

Opening the packaging:

The box to be opened first is the one with the yellow label

These instructions are in fact contained in this box.

Checking the contents

Check the Content list (“Enclosure C” on page 27) and make sure that all the parts shown are actually enclosed.

If not, notify Pilatech as soon as possible.

Disposal of packaging

The material used to package the product must be disposed of in compliance with the purchaser’s local regulations to minimise its impact on the environment.

Warning!

This assembly procedure has already been carried out in a laboratory by Pilatech engineers

for each piece of equipment before it is shipped.

All potential assembly problems have already been sorted out.

Assembly

The list below shows the components to be assembled and the tools required, alongside their identification codes.

1) Assembly Set – Standard components:

- 2 short soft handles (M001)
- 1 bag with fitting screws
- 2 medium springs kit (white galvanised)
- 1 light springs kit (white galvanised)
- 8 Stainless steel snap-hooks
- 4 bronze snap-hooks (to be attached to the Tower bar to avoid squeaking caused to friction).
- 1 instruction manual (Product datasheet)

2) Fitting screws bag content:

- 2 button head screws 6 Max50
- 2 button head screws 6 Max30
- 4 steel washers WG 6x18
- 2 Nylon washers 6x18
- 2 blind nuts 6MA
- 1 Allen key no. 4
- 1 Allen key no. 5

3) Remove the existing blocks

Unscrew the small screw that secures the block anchoring “shackle” and remove it.

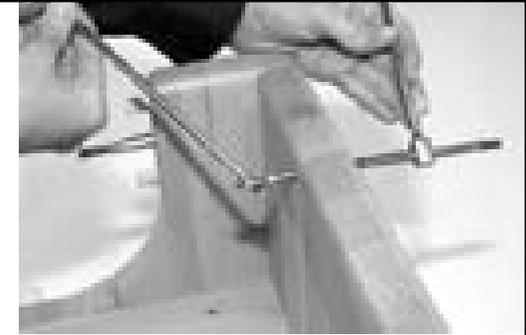


Remove the block.
Now unscrew and remove the eyelet.

Hold the anchoring eyelet and unscrew the rear anchoring bush with the Allen key no. 5.

Make sure not to unscrew, fully or partly, the metal bush inserted in the wooden spacer.

Should you accidentally unscrew it, fully tighten it again.

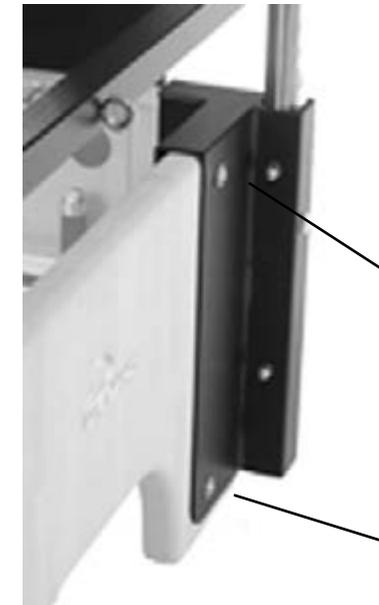


4) Join the parts and tighten them slightly

After opening box no. 1, remove the metal frame from the package.

Stand as shown in the picture. Insert the metal frame from the top until it rests against the top edge of the Reformer wooden frame.

The holes located in the metal brackets must be lined up with the holes located in the wooden frame.



5) Insert the screws

The screws must be inserted in the corresponding holes:

- A) the 50mm screws in the top holes
- B) the 30mm screws in the bottom holes



Partly tighten the 4 screws.
After correctly and fully inserting all the 4 screws, fully tighten them with the Allen key no. 4.
From the internal side, position the washers, 2 per side, then position the blind nut.
Fully tighten them with the Allen key no. 10.

6) Position the blocks

Position the previously removed blocks to the new anchoring devices on the risers moving bar



7) Rope feeders

NB: make sure that the top of the carriage is fitted with rope feeders to prevent the ropes from being released from the clam cleats.



8) Position the springs

Position the springs supplied, by using their snap-hooks, onto the desired rings.

Bear in mind that the bronze snap-hooks must be used for the Tower Bar to avoid unwanted squeaking caused by friction.



9) Positioning the Risers Bar

Position the Risers bar by using the two snap-fit knobs, as shown in the picture.

The available positions are 5.

NB: moving the Risers Bar can also affect the tension of the springs that secure the Tower Bar from the bottom



10) Positioning the Tower Bar

Position the Tower Bar by using the two snap-fit handles, as shown in the picture.

The available positions are 4:

- 2 high handles used to position the Tower Bar to match the heights of the Cadillac.

NB: The Tower Bar must be used only in these positions when the boxes are fitted to the Reformer frame.



- 2 low handles used to position the Tower Bar to match the spring heights on the Cadillac.

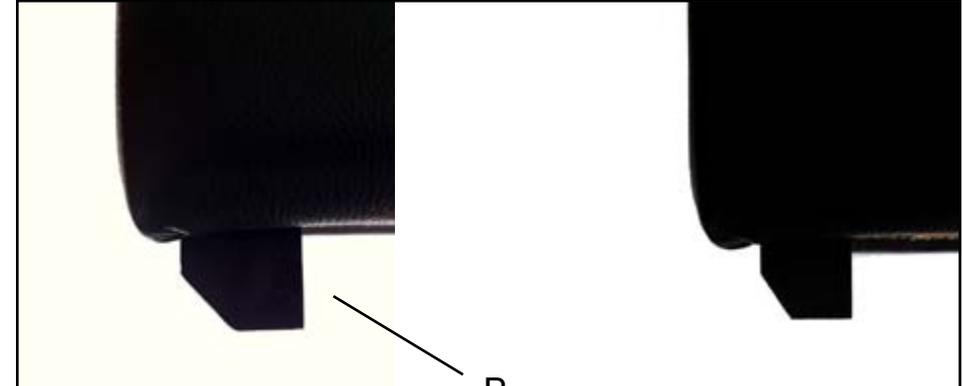
NB: In the low positions, the springs anchor rings is deliberately too low to be used when the boxes are inserted in the Reformer frame.

NB: The intermediate position has been deliberately removed to prevent the Tower bar from hitting the user's face when he/she is lying down on the boxes.



11) Position the two Reformer Unit Boxes

Now remove the boxes from the packaging (Box no. 2 e no. 3) and position them inside the Reformer as shown in the picture



The widened feet prevent the boxes from being incorrectly positioned and from turning over.



12) Position the widened feet in the centre of the Reformer

NB: make sure that the red fabric tapes that identify the widened feet (B) face each other, in the centre of the Reformer frame (*).

Enclosure A: Metal Specifications

Metal frames	All the metal parts are made of black painted steel or aluminium. All weldings have been carried out with the TIGG technique, an advanced technology that ensures a high level of mechanical strength and an aesthetically pleasing finish.
Special metal frames	Pivots, joints and other components have been specifically designed and manufactured to offer the highest mechanical resistance to different stresses.
Plastic and rubber parts	All these components have been manufactured with certified materials that do not contain toxic, allergenic or unpleasant to touch components.
Upholstery	Both leatherette and padding have been selected and designed to offer the highest comfort when carrying out the different exercises. These products fully comply with legal requirements and offer the highest level of resistance to wear and a long life. Polilatex, the material used to make the padding of our pieces of equipment is one of the technologically most advanced synthetic polyurethanes. The material is the outcome of our ongoing research, and its water based, CFC (Chlorofluorocarbons) free, environmentally friendly composition ensures air circulation and the best humidity and temperature level, as well as the correct ergonomic support. It is available in a range of colours.
Painted parts	The steel parts are powder painted, with black textured finish. The wooden parts are painted with water based, non toxic paints. The quality standards are of a very high level, to ensure that colours do not fade over time. Tests on resistance to wear and tear have been carried out to ensure the highest resistance to scratches.

Enclosure B Technical Features

Height (assembled)	cm	215
Width	cm	67
Weight	Kg	25
Metal part	Kg	8
Single box	Kg	
Max. load	Kg	120

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**Enclosure C: List of parts subjects to wear:
Intervals of inspection and replacement (if required)**

Components subject to wear	Check
Box padded frame	6 months
Blocks	3 months
Ropes and straps	3 months
Springs and sliders anchoring metal rings	6 months
Risers and Tower Bars	6 months

Enclosure D: Content list

Box 1 Content list:

Item	Description	Quantity
Metal frame	Pre-assembled metal frame complete with the Risers Bar and the Tower bar.	1
Accessories box	Accessories box complete with springs, belts and assembly manual	1

Box 2 and 3 content list:

Item	Description	Quantity
Reformer Unit Box	Reformer Unit Box	1

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