

MENEGOTTI TECHNICAL MANUAL

TRANSPALLET - HAND PALLET TRUCK

MTP 3.0 TON X 685 V2 TANDEM

MTP 2.0 TON X 685 V2 TANDEM

40810156 - Transpallet MTP 3.0 Ton x 685 V2 Tandem Nylon Wheels

40800112 - Transpallet MTP 2.0 Ton x 685 V2 Tandem Nylon Wheels

QR-Code:



Point your mobile phone camera to access the updated online version of **Technical Manuals** and **Parts Catalogs**, or click on the link below to access the website.

www.sites.google.com/view/menegotti-engenharia-docs

Attention:

Before operate **Menegotti**, read this **technical manual**, itself will inform and instruct the operator about the operation.

By the way, you avoid possible working accidents and early maintenance on at the equipment.



MENEGOTTI®

HANDLING

Congratulations on purchasing a Menegotti product!

With the highest quality, designed and built especially to serve you with technology to suit your needs.

This manual was written to provide you with the information and instructions necessary for the use and maintenance of our equipment, as well as to present you with data relating to its technical characteristics.

Before you put your equipment into operation for the first time, carefully read the information contained herein.

The durability of your equipment depends only on the way it is treated during service (operation) and its satisfactory performance is the result of your careful work, carried out regularly.

Menegotti is prepared to offer you all the necessary technical assistance, as well as to meet your needs for spare parts.

Welcome, you are now a part of the great Menegotti "client family".

MENEGOTTI After Sales and
Technical Assistance departments.

Caution: For best convenience, keep this manual in a appropriate place where it can be consulted when necessary.

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Menegotti Group

Menegotti is reference in the development of solutions in machines and tools for the Construction machinery, Handling and Lawn | Garden Segments.

A Brazilian company, present in more than 40 countries, has its headquarters in Jaraguá do Sul, Santa Catarina, units in Brazil and in the United States.

With more than 80th years of history, it is in the fourth generation of consistent and successful family management. National leader in sales of concrete and cement mixers, it stands out in the resale and rental market.

Through its Innovation Program, it fosters creativity and competitiveness, with disruptive actions and partnerships, aimed at continuous professional and business growth.

With an organizational culture that values and encourages its constant professional and personal development, Menegotti is active in sustainable projects, which make its purpose of contribute “to build a better and more sustainable world”, a reality.



The Product

The MTP Transpallets or Hand Pallet Trucks are specially designed for handling palletized loads, and are intended for transporting and moving loads placed on pallets, in an agile and safe way. The Transpallet features secure lifting and lowering through a safe and easy to operate hydraulic system. The equipment is suitable for use on flat and firm surfaces.

• **Menegotti reserves the right to make changes to the product without previous warning. If any information in this manual is not consistent with the physical product, consider the actual product and the manual as reference only.**

Safety Information

Note: Anyone performing any kind of operation with this equipment must read this manual and the safety guidelines.

- Instructions on the risk of danger are provided in this manual and also on the equipment.
- Keep the work area free of obstacles and well lit.
- Make sure you have read and understood all the information contained in this manual.
- Take care before and during operation.
- Do not miss these safety instructions.
- It is strictly forbidden to remove or alter any safety device on the equipment.
- When the equipment is not in use, it must be stored in a dry place and out of the reach of children.
- Perform a daily inspection of the parts of the equipment. In case of problems, contact authorized Menegotti service immediately.
- Provide this safety information to each and every person who is going to operate this equipment.



- The use of the equipment for purposes other than those for which it was designed can put your physical integrity at risk.
- Never leave the equipment out in the rain or humid places.
- Never wear loose clothing or accessories that can catch on the equipment.
- Non-slip shoes are recommended when working outdoors.
- If you have long hair, tie it up.
- Concentrate on what you are doing. Do not operate the machine if you are under the influence of drugs, alcohol, medication, etc.
- Never remove the safety devices from the equipment.
- Check that there is no damage to the equipment.
- Except as indicated in the manual, spare parts must be replaced by an authorized technical assistance.
- This equipment must be repaired only by qualified professionals and always using spare parts of the same characteristics.
- Always wear PPE while operating or servicing the equipment (ear protection, non-slip shoes, goggles, dust mask, and gloves).
- In case of defects that put your safety at risk, have them repaired immediately before operating. Do not operate with a defective Transpallet.
- Defective components can compromise the safety of operation.



Warnings

- 1.c** - Before using the Transpallet, the operator should carefully read this manual and the recommended precautions.
- 2.c** - The Transpallet should be moved by the handle in the intermediate position to reduce wear on the pump core. At the same time, this action also protects the hydraulic seal and the piston component and prolongs the life of the equipment.
- 3.c** - Do not use the Transpallet if you are not familiar and trained to operate it.
- 4.c** - Inspect before use: the wheels (222, 225 and 315), the handle y operating handle (112), the structure (201) and the lock hitch (330).
- 5.c** - Do not use the equipment in sloping places.
- 6.c** - Transporting people in the equipment is prohibited.
- 7.c** - The operator must use personal protection equipment - PPE.
- 8.c** - For the success of the operation, all people should stay 60cm away from the fork.
- 9.c** - You must be aware of the center of gravity weight, avoiding partial load or inclination see item "Form to Use", Figure 03).
- 10.c** - Do not overload the equipment.
- 11.c** - In some situations or specific locations, the operator must perform the operation even more carefully.

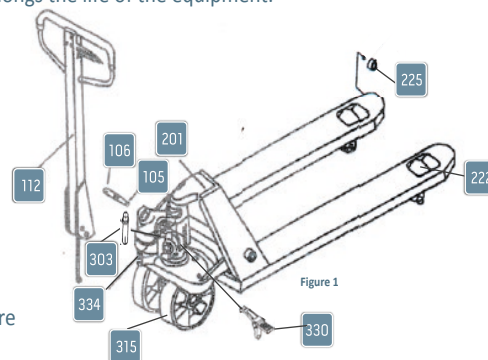


Figure 1

Transpallet Assembly

To facilitate transportation, the handle is disassembled and packed separately. To assemble, follow the steps below:

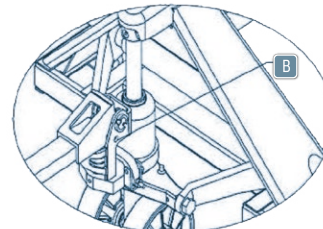
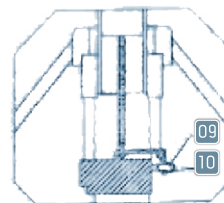
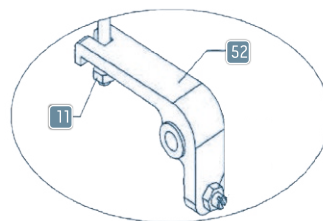
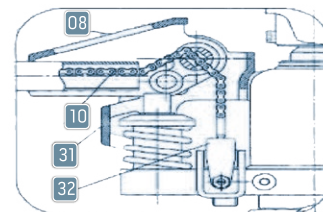
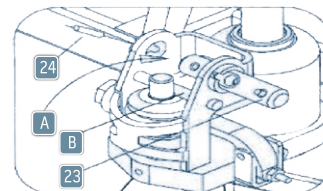
- 1) Remove the pin (23).
- 2) Position the handle in position (A), aligning the holes in the handle with the pump body, then position the pin (23) through the holes.
- 3) Turn the pin (23) to leave the chain hole upright, then cross the chain (10) on the pin (23).
- 4) Place the screw and nut (11) at the end of the chain (10) inside the opening of the lever holder (52).
- 5) Place the pin (24) in its original place.
- 6) Position the handle horizontally, remove the pin (B) and save it for future replacement or maintenance of the piston.
- 7) Move the handle back and forth and operate the trigger (8) in different positions to check the operation of the equipment in the working positions.
- 8) The screw (9) is used to regulate vertical movement. The nut (10) on the screw (9) acts as a lock, so it must be loose before modification and locked after modification. If the fork descends right after the ascent, slightly turn the screw (9) counterclockwise before operating the equipment again. If the fork does not descend when the trigger is activated, turn the screw (9) a little clockwise and activate it again until the descent process is recovered normally.

QR-Code:



Point your mobile phone camera to access the Transpallet assembly video, or click on the link below.

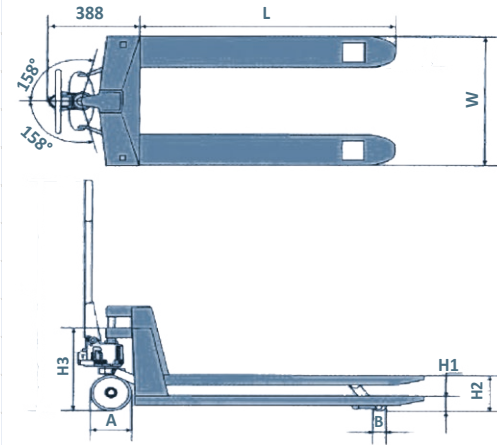
www.youtube.com/watch?v=V_tKQmGJE9k



Illustrative images.

Technical Specifications

TECHNICAL DATA	MTP 3.0 TON X 685	MTP 2.0 TON X 685
Load Capacity	3000 kg	2000 kg
Fork Wheel (Type)	Tandem	Tandem
Minimum Fork Height - H1	85 mm	75 mm
Maximum Fork Height - H2	200 mm	200 mm
Fork Width - W	685 mm	685 mm
Fork Length - L	1150 mm	1150 mm
Chassis Height - H3	420 mm	395 mm
Movement Wheel - A	Ø180 mm	Ø160 mm
Fork Wheel (Dimensions) - B	Ø80x70 mm	Ø60x70 mm
Turning Radius - R	1150 mm	1200 mm
Minimum Aisle Width	1800 mm	1800 mm
Weight	71,5 kg	58,5 kg



Transpallet Operation

On the carrying handle is the trigger (118), which can be adjusted to three positions (see Figure 2).

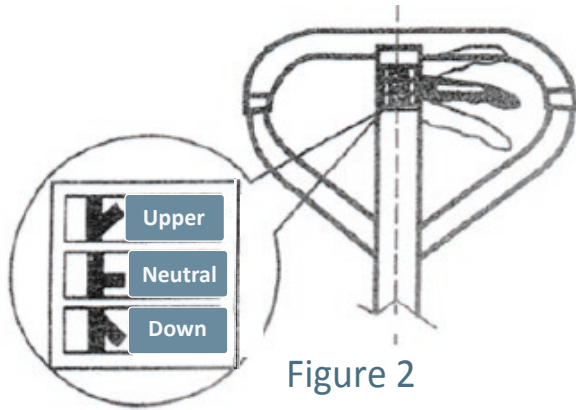


Figure 2

ACTUATING LEVER POSITIONS	
Upper	Lowering
Drive position	Neutral
Down	Lifting up

Operation Guidelines:

- When the trigger (118) is positioned down, the fork is ready to be lifted. Move the camber back and forth and the fork will lift.
- After the operation is complete, we must return the trigger to the neutral position.

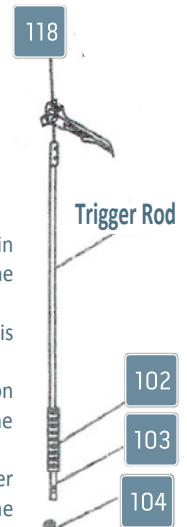
The three positions were set before leaving the factory, in case of accidental change, the following steps can be followed for operation:

1.b - If the trigger (118) is in the neutral position and the fork goes up, the adjustment screw (103) must be tightened clockwise for adjustment, in the hexagonal self-locking nut (104), for the adjustment of the hydraulics, until the crankshaft actuation does not perform any action on the equipment.

2.b - If the trigger (118) is in the "neutral"/intermediate position, and the fork drops, tighten the counterclockwise (104) hexagonal nut until this no longer occurs.

3.b - When the trigger (118) is in the Superior position and the fork does not lower, tighten the self-locking hex nut clockwise (104) until, upon actuating the trigger, the fork lowers smoothly, then based on items 1.b and 2.b check the "neutral" position (driving position) to ensure that the adjusting nut is in the correct position.

4.b - If the trigger (118) is in the Inferior position and the fork does not lift, you must tighten the counterclockwise hex nut (104) until the camber drive exerts action on the fork, then based on items 1.b and 2.b and 3.b, check the "neutral" position (driving position). Make sure that the adjusting nut is in the correct position.



Daily Inspection and Maintenance

The operator always needs to check:



1.d - Oil level

Check every three months the amount of oil, the type of oil used must comply with ISO 32 quality standard, its 40° C viscosity must be 30 CST, and the quantity is about 0.41L.

2.d - Air in the hydraulic system

Due to shipping or an inverted pump housing, air is likely to enter the hydraulic oil, which will cause the trigger to rise in position and the yoke to not rise. Therefore, perform the following methods to exhaust the air: Place the trigger (118) and the crankshaft (112) in the down position. Move up and down, alternating several times.

Recommended Oils
Castrol: Hyspin AWS 32
Texaco: Rando HD32
Ipiranga: Ipitur HST220
Bardahl: Max lub MA10
Esso: Nuto H32

Environmental Protection

Do not dispose of this equipment in just any garbage, dispose of it in a proper environment, and contact the responsible agency to make the correct disposal. Preserving the environment is very important.

Troubleshooting

Number	Problem	Problem Cause	Solution
1	The glives cannot reach its maximum height	Hydraulic oil is not enough	Refuel
2	The fork can not go up	Without hydraulic oil	Refuel
		Dirty oil	Replace the oil
		Lack of regulation in the discharge valve	Adjust the hexagonal self-locking nut (104) (see item 4.b)
		Air in the hydraulic oil	Bleed the hydraulic system (see item 2.d)
3	The fork can not go down	Due to the oscillating load or overload, it causes the piston or cylinder to deform	Replace the piston or cylinder
		Fork is in a raised position for too long, so this exposure rusts the piston, blocking its movement	When not in use, place the fork in a neutral position. It is not appropriate to lubricate the piston
		Hexagonal self-locking nut (104) is not in the correct position	Adjusting the hexagonal self-locking nut (104)
4	Oil Leak	Wear or damage to the seal - breakage of some parts	Replace the seal kit - Replace parts
5	The fork comes down by itself after going up Valve does not work	Hydraulic oil is not pure, so the discharge valve can not stick	Replace the oil
		Certain parts of the utilization system are broken or damaged	Inspect and replace parts
		Air mixed with oil	Bleed the hydraulic system (see item 2.d)
		Worn or damaged sealing element	Replace the seal kit
		Hexagonal self-locking nut is not in the correct position	Adjust the Hexagonal self-locking hex nut (104) (see item 2.b)

Form of Use

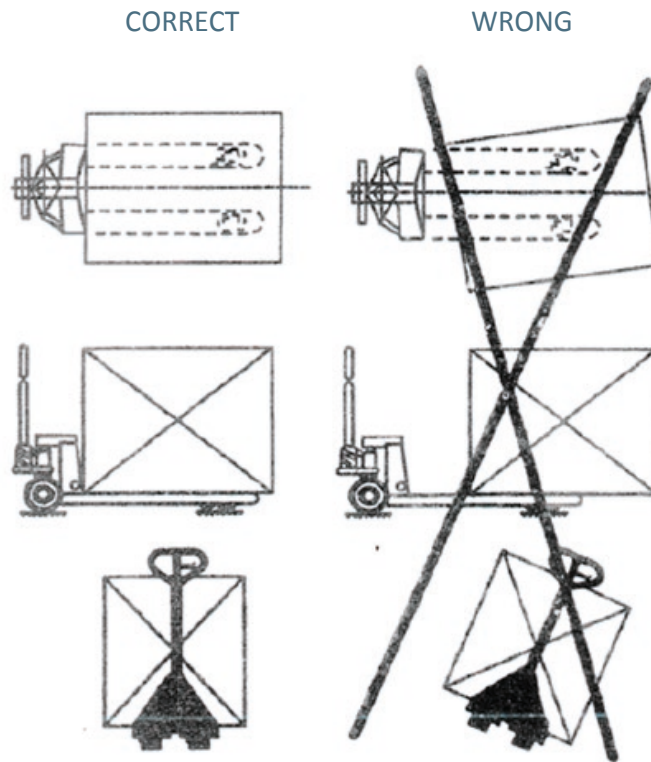


FIGURE 03

Product Warranty

The warranty is not transferable under the conditions and within the prescribed period and will be valid from the date of purchase of the equipment, through presentation of the sales invoice to the first end consumer. At the time of delivery of the equipment, the customer must receive the information and technical guidelines for the equipment as per the content of this manual.

Therefore, defects caused by mistreatment, carelessness, negligence, recklessness or malpractice, are not covered by this warranty, nor are any repairs or alterations of any part and/or piece of equipment. Also not covered is any assembly of the parts by any party other than the factory itself or Technical Assistant, application outside the specification, mechanical or electrical overloads or phase failure, use in an environment for which it was not designed, incorrect voltages of frequencies, incorrect lubrication, damage caused by accidents of any kind, such as floods, strong winds, fires, landslides or resulting from transportation.

The removal or alteration of the serial numbers originally placed on the product void the warranty, which must be presented on the sales invoice and the Warranty Certificate for the equipment in question.

The warranty assumed is limited to the repair, spare parts or parts assembly of the set of parts, in which the review is conducted by an Authorized Menegotti Technical Assistant and authorized in advance by the Factory, to double check the existence of the manufacturing defect. This repair or exchange will be made by an Authorized Technical Assistant, with the buyer bearing the risks or costs of transportation to and from the Technical Assistant, with the labor and replaced parts being free, under the terms of this warranty.

This supersedes any other warranty, express or implied as well as any and all liability or responsibility of our company concerning the above product.

MENEGOTTI After Sales and Technical Assistance departments.

Warranty Term

By the present CERTIFICATE provided from original purchaser, Menegotti guarantees this product against manufacturing defects, for a period of 6 (six) months, being: the first 3 (three) months of legal guarantee, and the last 3 (three) months a special warranty guaranteed by Menegotti, counted from the invoice issue date of the first final consumer. The components of daily use such as: bearings, wheels, gears, steel cable, etc. are not included in the warranty.

This warranty includes spare parts and repair against manufacturing defects duly verified by the factory or Authorized Technical Assistance. The warranty for this product will be void if it suffers damage caused by accidents, natural events, application outside the specification, or in the case of alterations or repairs by a person or workshop not authorized by Menegotti. The product freight charges, including the technical assistant or factory, are borne by the consumer.

If the equipment is purchased with the electric engine warranty covers defects arising from the internal engine manufacture. Not covered by warranty defects of: broken or crushed shell due to carelessness in transporting/or storage, energization of the motor coupling or out specification defects, general misuse and /or incorrect installation, overcharging due to lack or excess of phase and use of voltage out of the specification.

Aware of this term,

Customer: _____
Model: _____ Serial Number: _____
City: _____ Date: _____

Customer Menegotti Authorized Service



Solid values, **sustainable future.**

MENEGOTTI
HANDLING

MENEGOTTI
CONSTRUCTION

MENEGOTTI
HOUSE & GARDEN



Unit • Unidad Menmaq

Erwino Menegotti, 381 - Água Verde
Jaraguá do Sul - SC - 89254-000



Unit • Unidad Mentec

José Theodoro Ribeiro, 2399 - Ilha da Figueira
Jaraguá do Sul - SC - 89258-468



Unit • Unidad Menfer

Saudade, 186 - Seminário
Corupá - SC - 89278-000



Unit • Unidad MNA

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