

MENEGOTTI TECHNICAL MANUAL

CONCRETE MIXER 400L

INFINITY DISASSEMBLED

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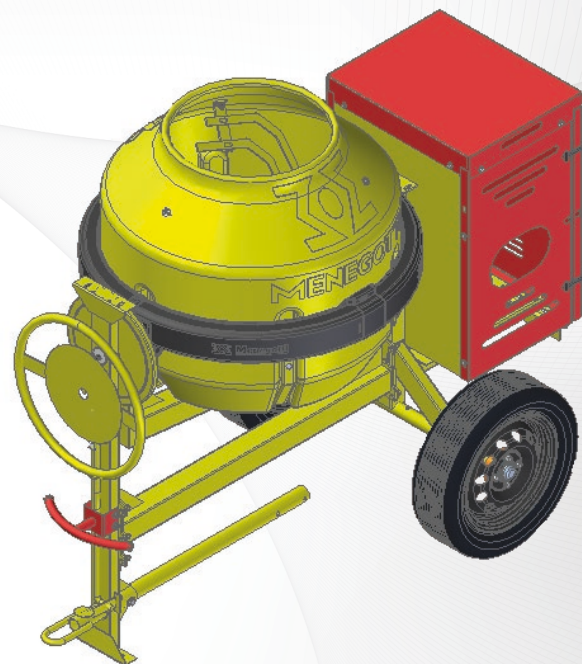
Point your cell phone or tablet camera to access the updated version of **Technical Manuals** and **Parts Catalogs** online, or click the link below to access the website.

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

Attention:

Before operate **Menegotti equipment**, 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.



Illustrative Image.

MENEGOTTI[®]
CONSTRUCTION

Congratulations, you have just purchased a Menegotti product!

With the highest quality, projected and built especially to serve your needs.

This manual was elaborated to provides the informations and key instructions to use and maintain our product, in addition presents their technical characteristics.

Before use the product for the first time, read and pay attention at the informations in this manual.

The product durability only depends the way you treat it in service (operation) and the satisfactory working is consequence of yours regular work carefully.

Menegotti is prepared to offer you all technical assistance, and attend all your needs about replacement parts.

Welcome, you are part of the huge Menegotti “customers family”.

After sales Departament
and Technical Assistance MENEGOTTI.

Attention: For better comodity, store and keep this manual in a properly spot so it can be easily checked.

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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, and units in Brazil and the United States.

With more than 80th years of history, it is in its fourth generation of consistent and successful family management.

National leader in sales of concrete mixers, it stands out in the resale and rental markets.

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 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

It is equipment designed for construction work with excellent performance and low maintenance. The rotation of the drum is powered by an electric motor, which is activated by a pulley system driven by V-belts. The discharge system is manual and features transmission mechanisms that make operation easier, requiring minimal human effort. It has triple-effect mixing blades that increase its efficiency. In addition, it has a polymer drum made of polyethylene, which makes it lighter, more corrosion-resistant, and durable, as it requires less maintenance and is more cost-effective in the long run compared to other models.

Safety Informations

Note: Anyone who performs any type of operation with this equipment must obligatorily read this manual and the safety instructions.

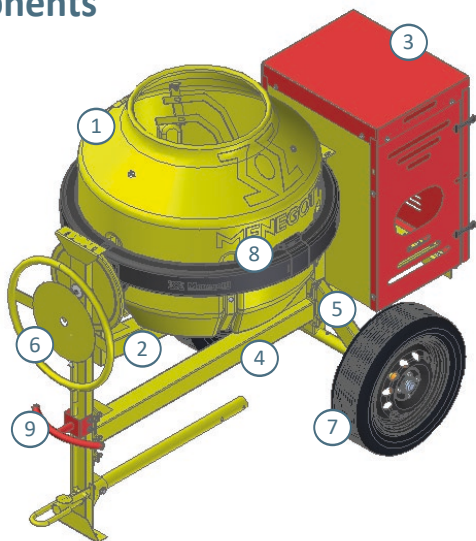


- Before using this equipment, carefully read this manual and follow the manufacturer's instructions to reduce the risk of accidents during operation.
- It is strictly forbidden to remove or alter any safety device on the machine. We do not assume responsibility for any accidents caused by modifications to the equipment.
- Use the equipment according to the instructions in this manual.
- In case of damaged or missing parts, immediately contact Menegotti by phone/WhatsApp at +55 (47) 3275-8000 for replacement.
- With the machine turned off, perform a daily inspection of the components. In case of issues, immediately contact Menegotti's authorized service.
- Maintain a designated work area exclusively for the equipment, keeping the location clean, free of obstructions, and well-lit.
- The operator must be trained or qualified to operate this equipment.
- Do not wear loose clothing that may get caught in the machine.



- Always wear gloves, safety goggles, and hearing protection according to the applicable regulations of the operating area.
- Motors should be installed by qualified professionals.
- Perform the maintenance required by this manual with qualified personnel and within the specified time intervals.
- Inspect the entire electrical system, especially for cuts, frayed cables, and broken connections.
- Never use extension cords if they are not in good condition.
- Never operate extension cords in wet conditions or in wet environments (e.g., puddles of water).
- When cleaning the equipment, never spray water on the motor or electrical parts.
- Always disconnect the power cable from the electrical supply before performing any maintenance on this equipment.
- Avoid contact with hot surfaces.
- Before performing any activity or maintenance, allow the motor to cool down.
- Avoid contact with rotating parts.

Components

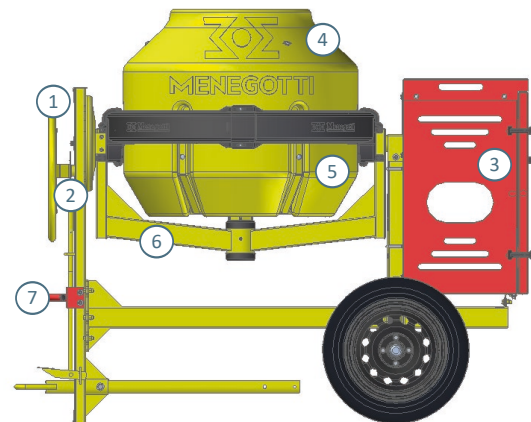


400L Infinity	
1	Kit Drum
2	Kit Steel Yoke
3	Kit Engine Box
4	Kit Chassis
5	Kit Smaller Column
6	Kit Larger Column
7	Kit Wheels
8	Kit Gear Protection
9	Handle

Technical Specifications

TECHNICAL SPECIFICATIONS	400L INFINITY
DRUM VOLUME	400 L
WET MIX INPUT	270 L
DRY MIX INPUT	310 L
QUANTITY OF CYCLES / HOUR	15 CYCLES
HOURLY PRODUCTION	4,65m ³
DRUM ROTATION	30RPM (60HZ) / 28RPM (50HZ)
ENGINE BOX	ELECTRIC
	COMBUSTION
BELT	"V" A-44
WEIGHT WITHOUT ENGINE	245KG
DIMENSIONS (L x W x H)	2022 x 1061 x 1607mm
NOISE LEVEL	90 dBA
WHEELS	AIRE ARO 14

Main Differentiators



POS.	MAIN DIFFERENTIATORS	400L INFINITY
1	FLYWHEEL PLATE	THICKNESS 6,35MM
2	FLYWHEEL LOCK	THICKNESS 4,75MM
3	DIFFERENTIAL PAINTING	RED
4	DRUM	POLYMER PE
5	DRUM BODY	THICKNESS +10MM
6	STEEL YOKE	WITH REINFORCEMENTS
7	HANDLE	WITH TAGGER
8	WARRANTY	24 MONTHS

Equipment supplied with Electric Engine:

- Before switch in your concret mixer, check if the supply voltage corresponds to the voltage indicated on the identity plate of the electric engine. Switching on the engine when connected to different voltage from the voltage indicated on the identity plate of the electric engine will result in damage to the engine;
- For without voltage selector equipment, contact the authorized service prior to any change.
- The engine drive in a different voltage voltage on the electric engine plate resulting in engine damage;
- Make sure circuit breakers, electric cables, sockets, grounding are compatible with the specified engine;
- Accepted voltage variation must not exceed variations above or below 10%, otherwise running failures may occur or even burning of the engine;
- For use of an extension electric, we recommend the table:

CONCRETE MIXER 400L			
Extension Electric	0 to 20m	20 to 30m	above 30m
Diameter of the Electric Wire	4,0 mm ²	6,0 mm ²	not recommended

Equipment supplied without Electric Engine:

The engine installation, electrical appliances and their installations and grounding must be made in accordance with current standards in the region and accompanied by a responsible qualified function. In the absence of such standards, should be carried out according to international standards, doubts when installing contact the authorized service.

Equipment supplied with Combustion Engine:

- Never inhale exhaust fumes as this can be harmful to your health;
- The Carbon monoxide from the exhaust of internal combustion engines can cause death if used in confined spaces;
- Do not operate or refuel the gasoline or diesel engine in a confined space without sufficient ventilation;
- Do not fuel the equipment when the engine is hot, this could become very dangerous and ensure that there is sufficient ventilation during this procedure;
- Do not touch the engine when it is running as it can burn your skin;
- Use fuel according to engine model;
- Do not use fuel of doubtful origin;
- To prevent electric shock, never touch the spark plug while the engine is running;
- The correct use, cleaning and maintenance of combustion engines must always be in accordance with the instructions contained in the manual of the engine manufacturer.

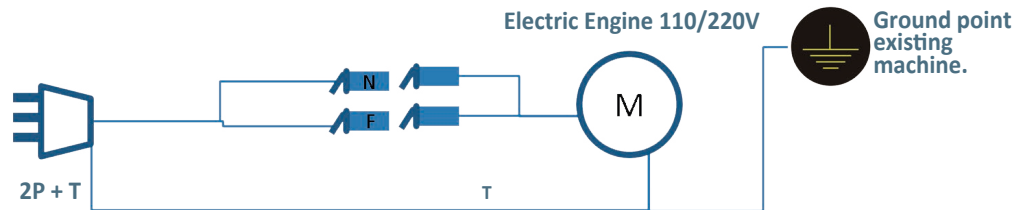
Operation Conditions

- They can be used in both indoor and outdoor environments, except for combustion engines;
- Introducing any object into the drum while it is operating may cause serious accidents;
- Improper use or use outside the intended scope for which the equipment was designed constitutes a threat to the physical integrity of the operator and those nearby;
- Carefully read this manual;
- The operator must be trained and qualified to operate this equipment;
- Maintain an exclusive area and keep the space clean, with no obstructions in the pathway and proper lighting;
- Always disconnect the power cable from the electrical network when performing maintenance.
- Always perform routine preventive maintenance on the equipment to ensure its longevity.

Cleaning

- It should be disconnected from the electrical network, and the cleaning operation should always be performed at the end of use;
- Clean the drum with water, removing all residue from the paddles and both the internal and external parts of the drum;
- Clean the Rack and Pinion, removing all abrasive material from the components;
- Do not place water on the electrical components and motor.

Wiring Diagram



Grounding the Equipment

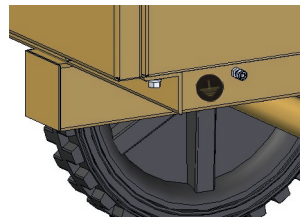
- Correct grounding of the concrete mixer is vitally important in reducing the risk of electrical shocks;
- Thus, before switching on your concrete mixer, make sure that the socket has a ground pin and that this is correctly installed. If your socket is not grounded, arrange for an ground to be installed before using the concrete mixer;
- Should use copper rod length and recommended depth of 2 meters;
- The ground wire to pass through the on / off switch should not be interrupted or connected to contacts.
- Do not connect the ground wire directly into the mixer neutral wire mains.
- Grounding must be made according to the standards in the region and accompanied by a responsible qualified function. In the absence of such standards, should be carried out according to international standards, doubts when the installation please contact your authorized service;



Standardization of plugs and sockets 32A 220V/380V.



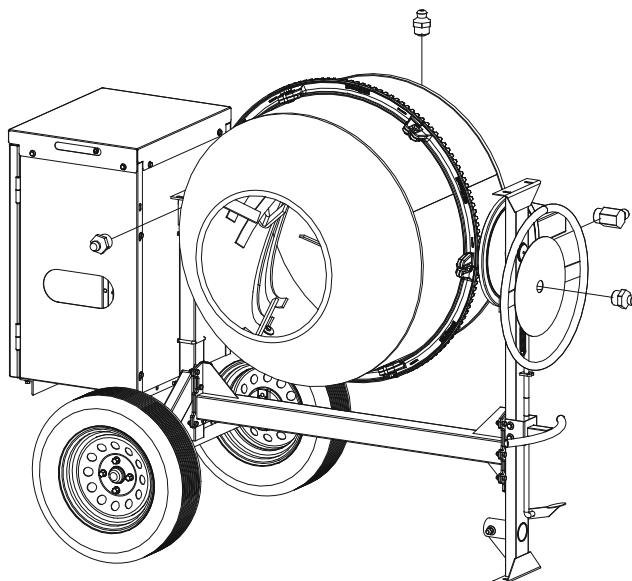
Ground point existing engine.



Ground point existing machine.

Equipment Lubrication

- Keep machine rotating parts lubricated, such as: pinion, rack gear, bushings, and bearings;
- Lubricate the equipment at the beginning of operation, applying grease to all lubrication points;
- Lubrication of the pinion/rack gear assembly is not recommended due to the fact that aggregates such as sand, cement and gravel dust, among others, can adhere to the lubricating agent, causing the mixture to become extremely abrasive, thus resulting in premature wear.
- When lubricating the pinion shaft bearing, the concrete mixer drum must be in a position where the steel yoke arm is perpendicular (90°) in relation to the machine column and the drum mouth must be turned to the same side where the grease fitting is. If not, the bearings will not be lubricated;



RECOMMENDED GREASES

Ipiranga Ipiflex Li EP2

Mobil Mobilux EP2

Shell Gadus S2 V220

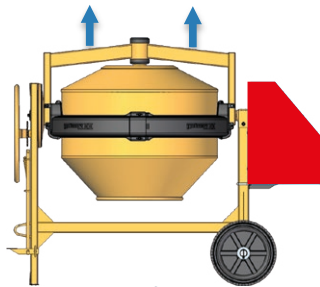
Texaco Marfac MP2

Lubrax Autolith 2

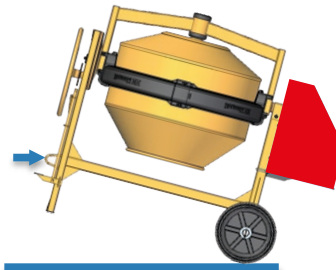


Transport, Lifting and Storage

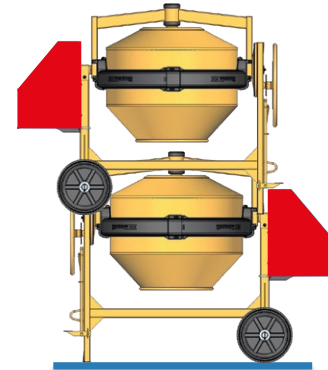
- It has yoke just to raise a few centimeters of soil and carry through the movement of the wheels;
- They should be used by tilting, with the barrel facing down, while maintaining the flatness of the mixer;
- Feature based on the columns for storing one on the other, fixation is by screws, use only one level of stacking;



Lifting



Transport

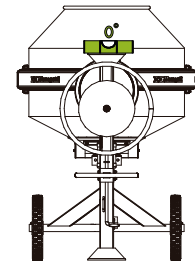
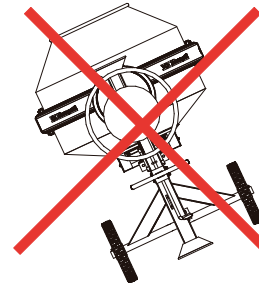
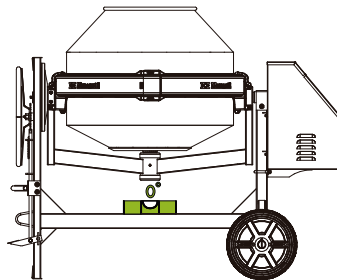
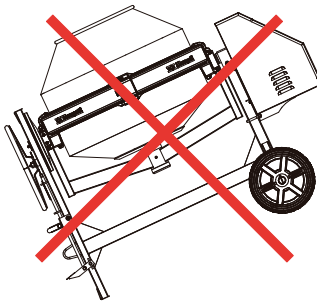


Storage

Leveling

Ensure that the concrete mixer is on flat and level ground, and that it will not tip over or fall. We do not assume responsibility for any damage to the equipment and/or operator resulting from these oversights.

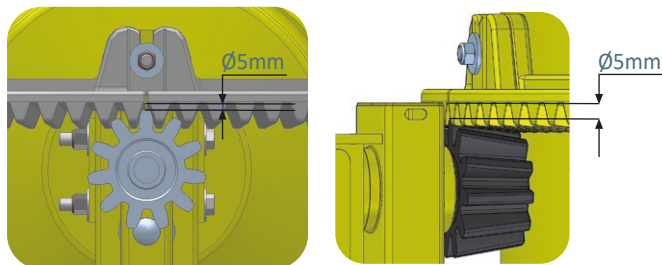
If necessary, use a level for assistance, as shown in the image below:



Maintenance

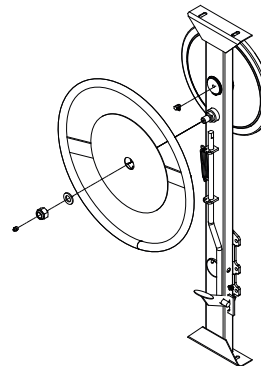
Maintenance should be performed by trained personnel. Never tamper with the concrete mixer while the motor is running. For optimal performance, it is recommended to:

- Periodically check the belt for wear or lack of tension. Loose or worn belts reduce power and transmission efficiency, causing vibration and shortening the belt's lifespan.
- Check the tightness of the fastening elements (nuts and screws).
- Adjust the rack according to the following procedure:
 - 1 - Position the drum in the vertical position.
 - 2 - Remove all the plastic protection from the rack.
 - 3 - Loosen the nuts that secure the rack to the drum.
 - 4 - Adjust the racks and re-tighten the nuts, ensuring the distance between the pinion teeth and the rack is $\varnothing 5\text{mm}$.
 - 5 - Reattach the plastic protection of the rack.

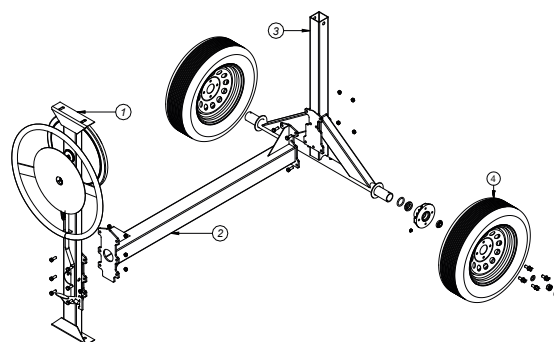


Assembly Procedures

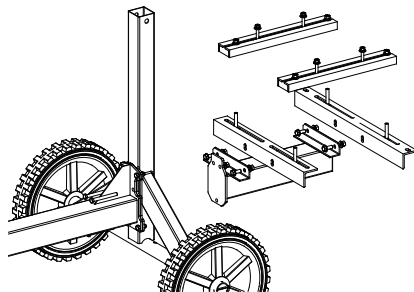
- 1) Assembly the column higher as image below. Assembly the wheel on the pinion shaft, and fasten with self-locking hexagonal nut 3/4.



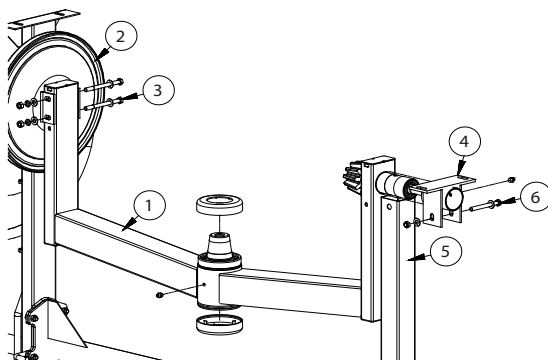
- 2) Assembly the chassis as image below. Mount the tube space(2) in the large column(1) fasten with hex screw 3/8"x1". Then fasten the lower column(3) in the spacer tube(2). Fit the wheels (4) and rub wheel on the axle and lock with screws.



3) Assemble the engine support as image below. Mount the engine support tube in the lower column(3) fasten with hex bolt 3/8"x3.1/2". Then fasten the lower guide and larger guide in the engine support tube with hex bolt 3/8"x1". Fasten the engine support in the guide, use the hex bolt 3/8"x2".



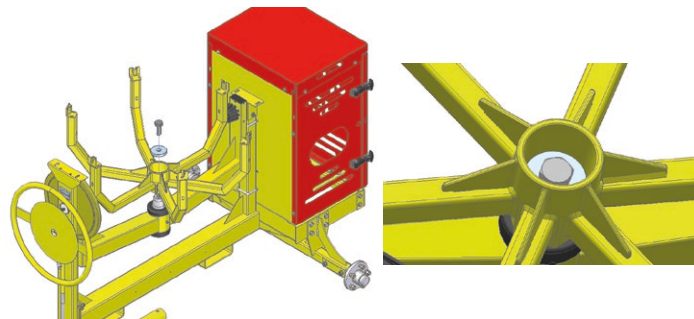
4) Assemble the steel yoke (1) on reducer (2) with hexagonal bolt 3/8"x4.1/2" (3). Assemble the bearing support (4) on the steel yoke (1) and fasten on the lower column (5) with bolt 3/8"x 3.1/2" (6).



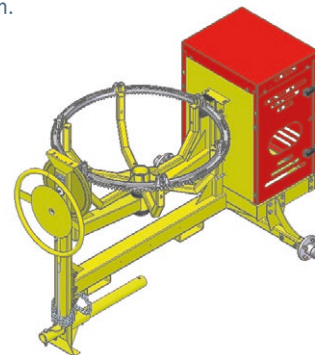
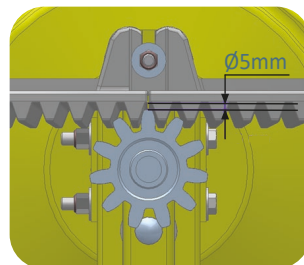
• To replace the metal drum with the infinity drum, the drum and the gear segments of the concrete mixer must be removed.

5) Assemble the poly drum mounting structure (spider) on the steel yoke of the concrete mixer, as shown in the images below.

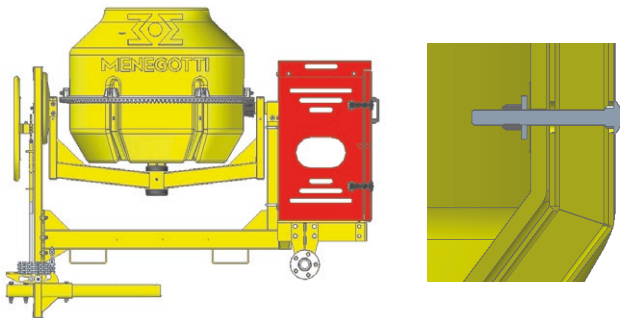
6) Tighten the central bolt (torque of 600Nm).



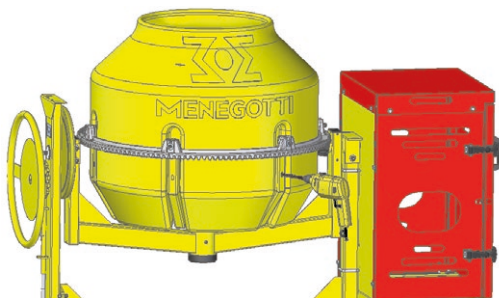
7) Assemble the rack segments. Adjust the rack so that the distance between the rack and the pinion tooth is Ø5mm.



- 8) Fit the drum into the concrete mixer.
 - 9) Center the drum relative to the 'spider' structure.
 - 10) Drill the structure perpendicularly with a $\varnothing 10\text{mm}$ drill bit.
- After the first hole, insert a French screw to serve as a guide and position the drum relative to the structure.

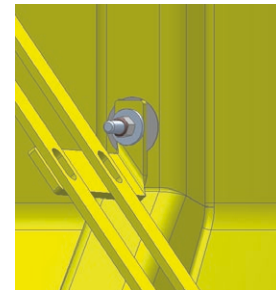
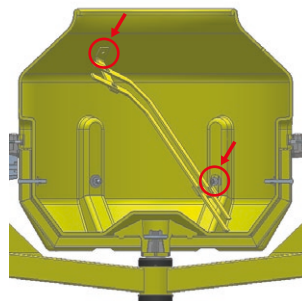


- 11) Drill the opposite side of the structure relative to the first screw, ensuring that the drum is once again centered. Then, drill the holes for the remaining screws, following the same alternating procedure to maintain the drum's centralization relative to the structure.

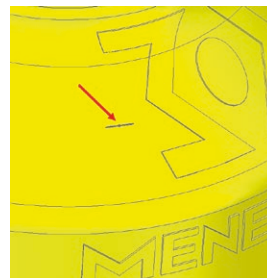


ATTENTION! Always check for equal lateral spacing between the drum and the structure.

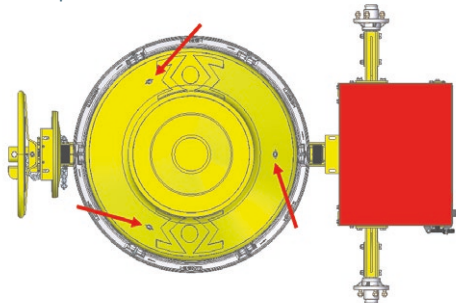
- 12) Assemble the blades inside the drum, securing them at the base along with the screw that fastens the drum.



- 13) Position the upper fastening base of the blade near the drum's nozzle, using the external marking on the drum as a reference to drill the hole.
- 14) Drill through the upper base of the blade, from the inside to the outside. Install the remaining blades according to the previous instructions.

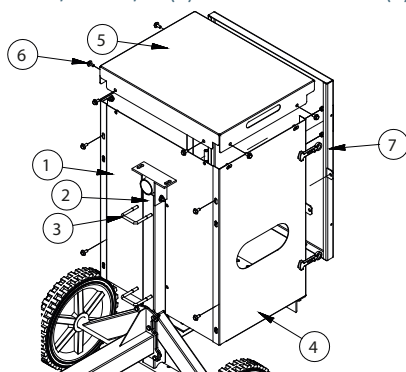


15) The installation direction (blade angle) should be done counterclockwise, as seen from the top view of the concrete mixer.

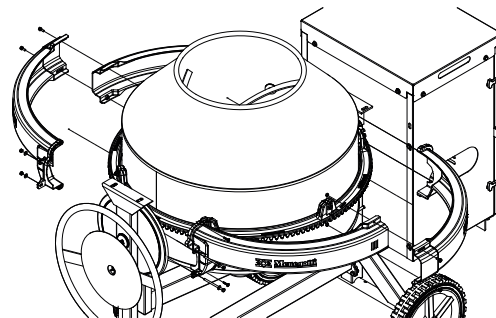


Note: If it is necessary to remove the infinity drum from the spider, before performing the service, a positioning marking between the drum and the spider should be made to prevent losing the alignment of the fastening holes.

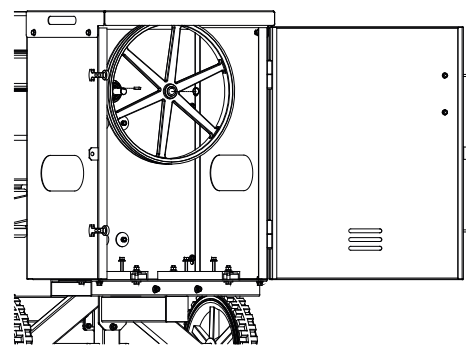
16) Assemble the engine box. Fix the upper end (1) in the lower column (2) with U-bolt (3). Then assemble the sides (4) and the top cover (5), fasten with hexagonal bolt $5/16'' \times 3/4''$ (6). Assemble the door (7).



17) Assemble the rack protection as image bellow. Position the rack protection in the steel yoke, fasten with hex bolt $1/4'' \times 4''$.



18) Fit pulley (1) on the pinion shaft (2), securing with retaining ring E-20 (3) and key 6x6x30.



Operation

- Position the mixer on a flat, stable surface to ensure safe and efficient loading and unloading operations.
- Turn on the equipment using the switch on the engine enclosure.
- Tilt the drum to the desired angle by turning the steering wheel while pressing the pedal to release the swivel locking mechanism.
- Set the drum to the desired angle and lock it again, this movement occurs when the pedal is released.
- Load the drum with the required materials and allow it to mix.
- Once mixing is complete, tilt the drum to discharge all the mixture.
- During operation, keep the drum rotating; the equipment must remain on at all times.
- Never start the engine with the mixer loaded.



1. Make use of a measure (bucket) to quantitate the components.



2. Add the aggregate (gravel) in the cement mixer **on**.



3. Make use of a measure (bucket) to quantitate the components.



4. Add the cement.



5. Finally add the sand and the rest of the water.

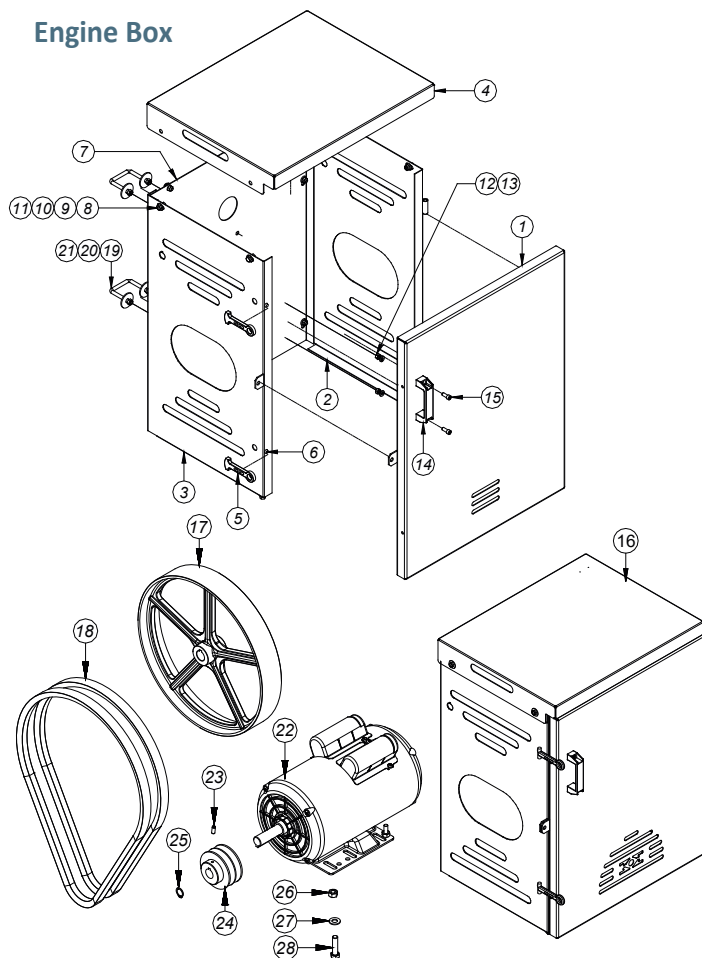


6. Let the concrete mixer rotate for **2,5 minutes** before using the concrete.

Illustrative images and orientative information

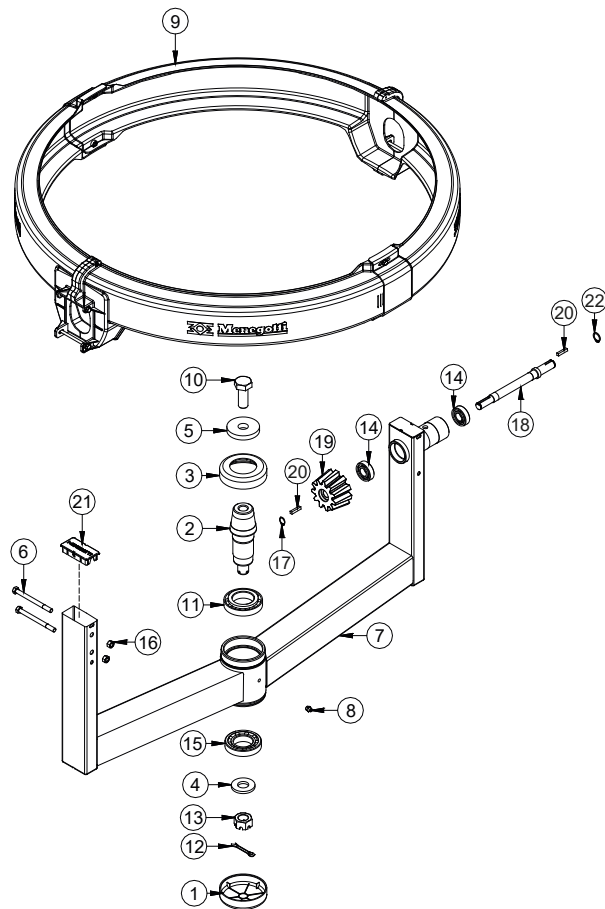
Exploded View / Spare Parts

Engine Box

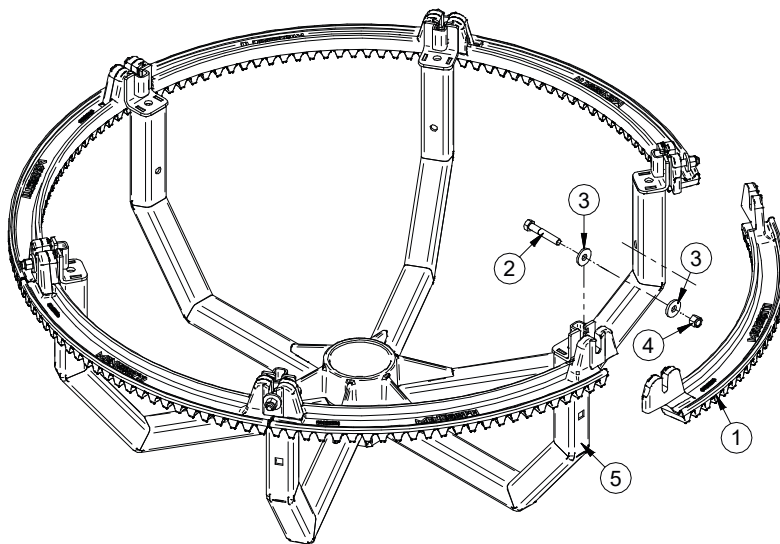


POS.	DESCRIPTION	QTY.	CODE	DRAWING
1	Door	1	34040079	3108152
2	Left Side	1	23108435	3108434
3	Right Side	1	23108437	3108437
4	Top Cover	1	32420059	3108299
5	Beam Rubber	2	24030221	4122071
6	Stop Rubber	2	24030222	4122072
7	Upper End	1	32420077	3108373
8	Hex Screw 5/16" x 3/4"	12	21010268	-
9	Flat Washer 5/16"	24	21030252	-
10	Hex Nut 5/16"	12	21021052	-
11	Spring Washer 5/16"	12	21030112	-
12	Hex Nut 5/16"	2	21021052	-
13	Spring Washer 5/16"	2	21030112	-
14	Handle	1	24070164	-
15	Hex Screw 5/16" x 3/4"	2	21010523	-
16	Engine Box	1	32480021	3108372
17	Pulley Ø340mm	1	29110159	3108034
18	V-Belt	2	22010161	-
19	U-Bolt 3/8"	2	21012480	-
20	Flat Washer 3/8"	4	30100070	4107003
21	Hex Nut 3/8"	4	21021059	-
22	Single-Phase Engine 2CV 4P 110/220V 50Hz	1	23014620	-
23	Screw without Head M6	1	21010935	-
24	Driver Pulley	1	31090081	-
25	Elastic Ring E-20	1	21060118	-
26	Hex Nut 5/16"	4	21021052	-
27	Flat Washer 5/16"	4	21030252	-
28	Screw 5/16"X1.1/4"	4	21010229	-

Steel Yoke

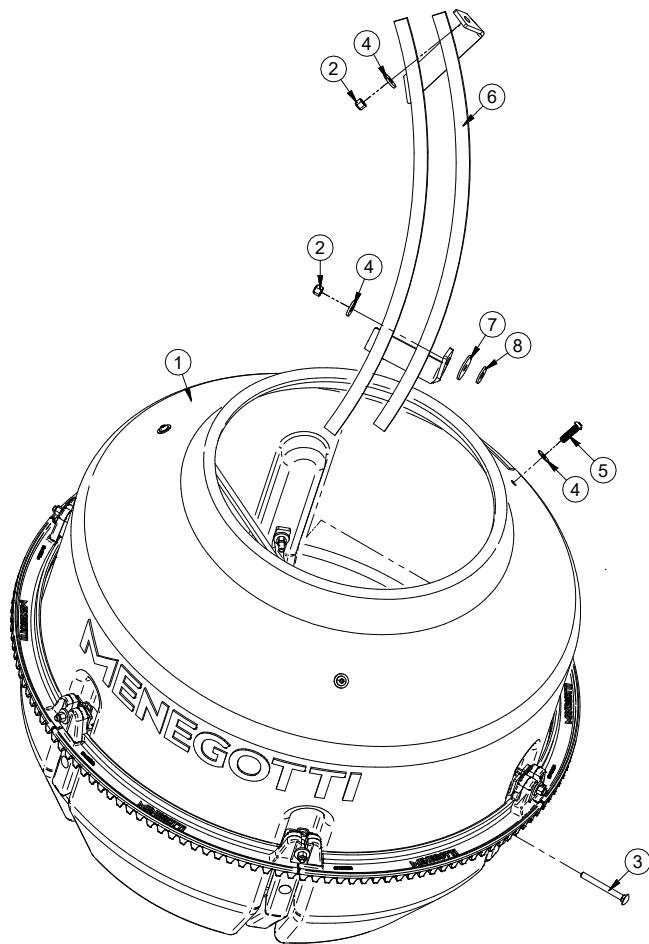


POS.	DESCRIPTION	QTY.	CODE	DRAWING
1	Cover	1	24110102	4.122.007
2	Central Axis	1	31020463	3.114.039
3	Cover with Hole	1	24110168	4.122.183
4	Flat Washer	1	30100079	4.122.006
5	Drum Washer	1	21030232	4.122.008
6	Hex Screw 3/8"x 4.1/2"	2	21015602	-
7	Steel Yoke	1	32460057	3.106.049
8	Grease Fitting 1/8" Straight	1	24040101	-
9	Rack Gear Protection	1	32030067	3.119.147
10	Hex Screw 7/8"x 2.1/4"	1	21013442	-
11	Bearing 30210	1	22020608	-
12	Cotter Pin 3/16"x1.1/2"	1	21050106	-
13	Castle Nut 1"	1	21020959	-
14	Bearing 6204	2	22020205	-
15	Bearing 30209	1	22020607	-
16	Hex Nut 3/8"	2	21021006	-
17	Elastic Ring E-27	1	21060115	-
18	Pinion Shaft	1	31020026	3.114.002
19	Pinion Z-11	1	31030007	4.123.001
20	Key 6x6x30mm	2	30160002	4.122.009
21	Plastic Latch for Steel Yoke	4	4122592	4.122.592
22	Elastic Ring E-20	1	21060118	-



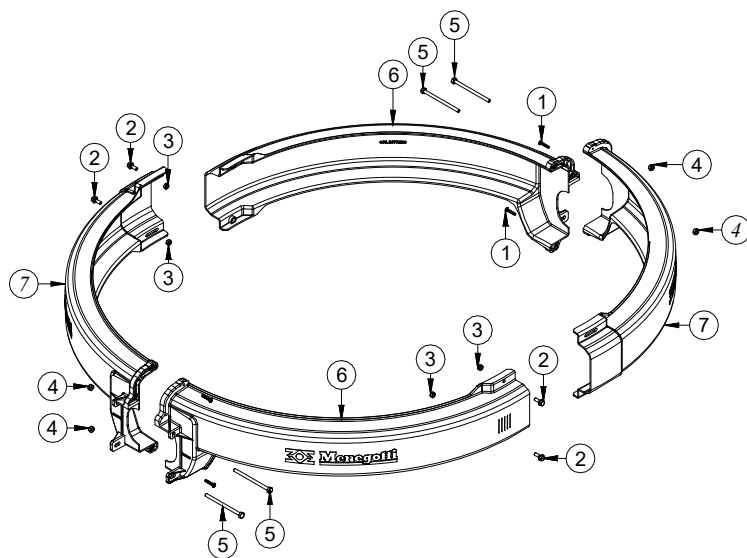
Drum Structure Assembly

POS.	DESCRIPTION	QTY.	CODE	DRAWING
1	Segmented Rack Gear Z-24	6	31180004	2124011
2	Hex SCrew 3/8" x 2.1/4"	6	21013824	-
3	Flat Washer 3/8"	12	21030204	-
4	Hex Nut 3/8"	6	21021059	-
5	Drum Structure	1	37175101	7175101



Drum Infinity Assembly

POS.	DESCRIPTION	QTY.	CODE	DRAWING
1	Infinity Drum 400L	1	5175105	5175105
2	Hex Nut 3/8"	9	21021059	-
3	French Screw 3/8" x 3.1/2"	6	21011112	-
4	Flat Washer 3/8"	9	21030204	-
5	Internal Hex Screw 3/8"	3	21010616	-
6	Drum Blade Structure (01 Unit)	3	7175104	7175104
7	Guarnital Sealing Washer	6	4122450	4122450
8	Drum Washer	6	4107003	4107003

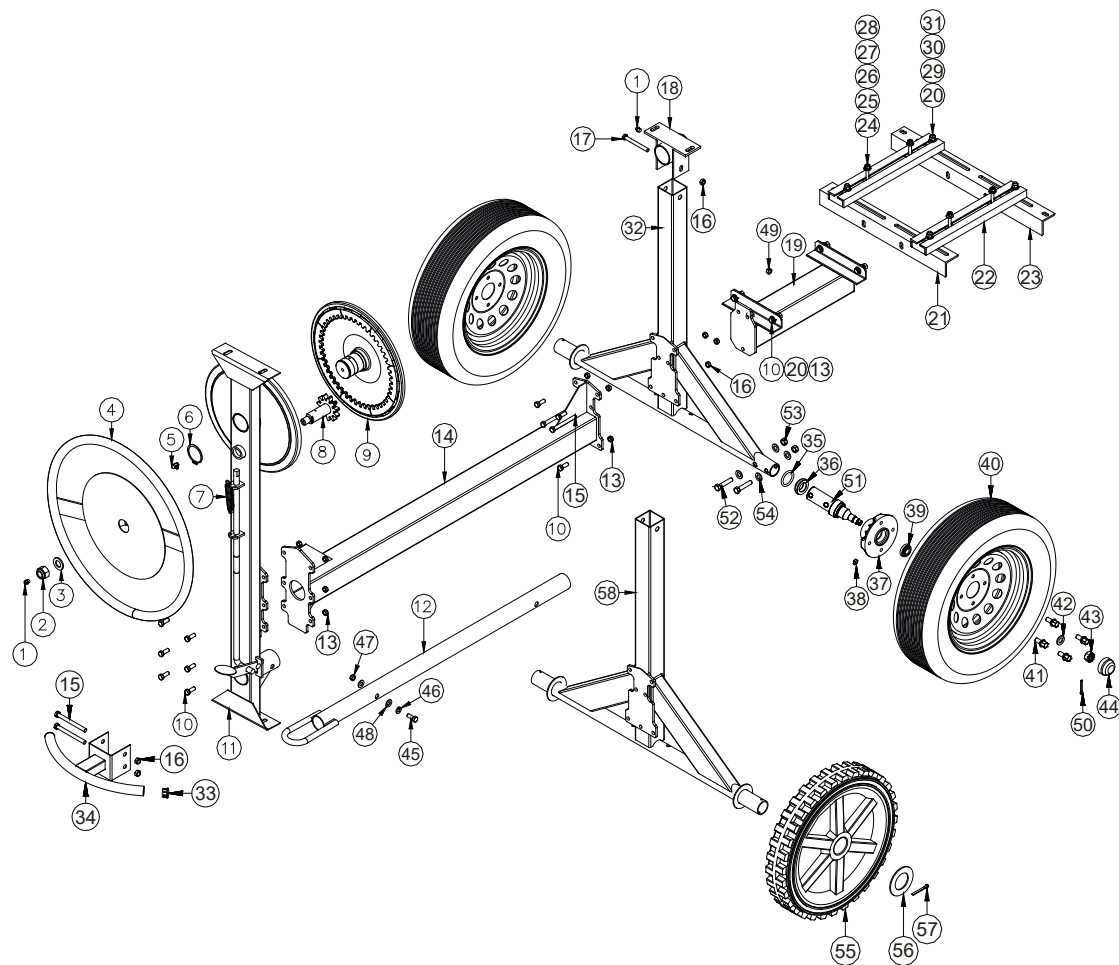


Kit Rack Gear Protection

POS.	DESCRIPTION	QTY.	CODE	DRAWING
-	Kit Rack Gear Protection	1	32030067	3119147
1	Hex Screw M5X25MM	4	21011022	-
2	Hex Screw M6X16MM	4	21012986	-
3	Hex Nut M6	4	21021104	-
4	Hex Nut 1/4"	4	21021005	-
5	Hex Screw 1/4"x4"	4	21015605	-
6	Right - Rack Gear Protection	2	N/A	3119146
7	Left - Rack Gear Protection	2	N/A	3119145

N/A= Item will not be sold separately.

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POS.	DESCRIPTION	QTY.	CODE	DRAWING
1	Grease Fitting 1/8" Straight	2	24040101	-
2	Hex Nut 3/4"	1	21021011	-
3	Flat Washer 3/4"	1	21030225	-
4	Steering Wheel	1	31200021	3122089
5	Grease Fitting 1/8"	1	24040105	-
6	Retaining Ring E-54	1	21060146	-
7	Traction Spring	1	21090116	3117038
8	Shaft with Gear	1	31020414	4114005
9	Reducing	1	31220021	3121004
10	Hex Screw 3/8" x 1.1/4"	14	21010265	-
11	Larger Column for Pneumatic Wheel	1	33110175	3110175
	Larger Column for Solid Rubber Wheel		33110173	3110173
12	Tow Bar	1	32490012	3110008
13	Self-Lock Hex Nut 3/8"	14	21021059	-
14	Tube Spacer	1	31020057	3125116
15	Hex Screw 3/8" x 4"	5	21015603	-
16	Hex Nut 3/8"	6	21021006	-
17	Hex Screw 3/8" x 3.1/2"	1	21015601	-
18	Sleeve	1	31140055	3116001
19	Engine Support	1	31020053	3125117
20	Flat Washer 3/8"	8	21030251	-
21	Lower Guide	1	32180017	3112012
22	Support Engine	2	32060144	3112013
23	Larger Guide	1	32180016	3112011
24	Hex Screw 5/16" x 2"	4	21010228	-
25	Hex Nut 5/16"	4	21021052	-
26	Pressure Washer 5/16"	4	21030112	-
27	Flat Washer 5/16"	4	21030252	-
28	Thick Flat Washer 3/8"	12	21030230	-
29	Hex Nut 3/8"	4	21020117	-

POS.	DESCRIPTION	QTY.	CODE	DRAWING
30	Pressure Washer 3/8"	4	21030163	-
31	Hex Screw 3/8" x 2"	4	21010241	-
32	Lower Column for Pneumatic Wheel	1	31020423	3112164
33	Plastic Cap	2	24110100	4122034
34	Tagger	1	31230007	3122097
35	O-ring A30	2	24020659	-
36	Bearing Roller L45449-L45410	2	22020615	-
37	Rub Wheel	2	31150023	3137014
38	Gray 1/8" Straight	2	24040101	-
39	Bearing Roller LM11749-LM11710	2	22020617	-
40	Pneumatic Wheel RIM 14"	2	31260080	4115052
41	Screw M12 x 22mm	8	21015320	-
42	Washer M16	2	21030221	-
43	Nut Castle 5/8"	2	21020956	-
44	External Protection Cube	2	30130024	4122078
45	Hex Screw 1/2" x 3.1/2"	1	21010433	-
46	Pressure Washer 1/2"	1	21030164	-
47	Hex Nut 1/2"	1	21020207	-
48	Flat Washer 1/2"	2	21030250	-
49	Hex Flange Nut 1/4"	1	21021005	-
50	Against Pine 3,2X25	2	21050102	-
51	Axle End	2	3114127	3.114.127
52	Hex Screw M12 x 60	4	21013060	-
53	Hex Nut M12 x 1.75	4	21021207	-
54	Washer M12	8	29110907	-
55	Solid Rubber Wheel W/Claw	2	24110196	3.115.106
56	Flat Washer	2	21030222	4.122.004
57	Against Pin 3/16" x 2"	2	21050107	-
58	Lower Column for Solid Rubber Wheel	1	31020050	3112158

Product Warranty

The conditions and terms of this warranty are non transferable and go into effect on the date of purchase of this equipment, proven by presentation of the sales invoice issued to the first end user. At the time of delivery of the equipment, the customer must be provided with the information and technical orientations according to the contents of this manual.

Not, however, included in this warranty are defects arising from improper use, negligence, imprudence or malpractice, nor are repairs or alterations to any part and/or component of the equipment. Also not included are: the assembly of any sets of parts by technicians not from the Factory itself or from an Authorized Technical Assistant, application other than which it was specified, mechanical or electrical overloading as well as lack of phase, use in environments for which it was not designed, incorrect voltages and frequencies, incorrect lubrication, damage caused by accidents of any nature, such as floods, gales, fire, landslides or due to transportation.

Removal or any alteration to the series numbers originally placed on the product will render the warranty null, where the Sales invoice and Warranty Certificate must be presented in relation to the equipment in question.

This warranty is limited to the repair, replacement of parts or assembly of parts in which, through examination by a Menegotti Authorized Technical Assistant with prior authorization from the Factory, any manufacturing defect will be verified. This repair or replacement will be performed by the authorized Technical Assistant, where the purchaser will be responsible for risks and expenses arising from transport to and from the authorized Technical Assistant, and where labor and parts will not be charged according to the terms of this warranty.

This warranty replaces any other warranty, implicit or explicit, as well as all any obligation or responsibility on the part of our company in relation to the above mentioned product.

MENEGOTTI Post Sales Department and Technical Assistance.

Term of Warranty

By the present CERTIFICATE provided from original purchaser, Menegotti guarantees this product against manufacturing defects, for a period of 24 (twenty-four) months, being the first 3 (three) months of legal guarantee, and the last 21 (twenty-one) months a special warranty guaranteed by Menegotti, counted from the invoice issue date of the first final consumer. This equipment's warranty does not include components worn out by use, such as: bearings, steel cable, electrical plugs, gears and engine breaking.

This warranty includes the replacement of parts and repairs due to manufacturing defects duly noted by the factory or Authorized Technical Assistant. This warranty will be rendered null and void in the case of damages arising from accidents, acts of nature, application other than which it was designed, connection to improper electrical supply or subjected to extensive power fluctuations, or, if opened by persons or workshops not authorized by Menegotti.

The consumer will be responsible for freight expenses for transporting the product to the technical assistant or factory. The equipment includes and electric motor and this warranty covers internal defects in the motor originating from its manufacture. Defects not covered in this warranty include: overloading due to lack of or excessive phase, use of voltage outside that specified, broken or crushed casing due to negligence during transporting /or storage, coupling or energizing outside specifications and general defects from improper use and/or incorrect installation.

In agreement with these terms,

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

_____ *Customer* _____ *Menegotti Authorized Service*



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