

TOLSEN **FX** FORCE XPRESS

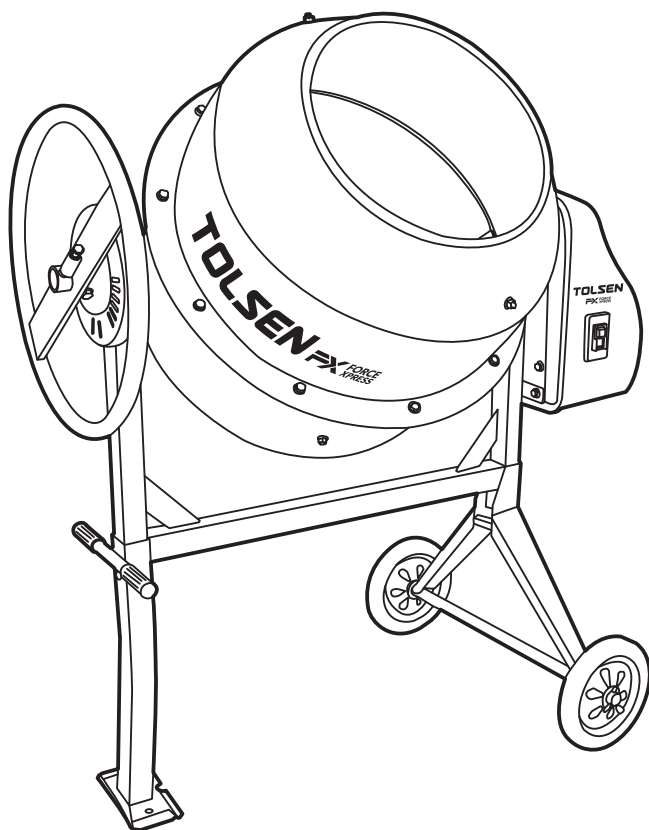
**79954/79955/79956/79957/
79958/79959/79960**

CONCRETE MIXER

INSTRUCTION MANUAL

230V/50HZ

CE



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

SAFETY WARNINGS AND PRECAUTIONS

Original manual

You will need the manual for the safety warnings and precautions, assembly instructions, opening and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Warning! when using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. Keep work area clean. Cluttered areas invite injuries.
2. Observe work area conditions. Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
3. Keep children away. Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
4. Store idle equipment. When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. Do not force tool. It will do the job better and more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool capacity.
6. Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. Do not use a tool for a purpose for which it was not intended.
7. Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
8. Use eye and ear protection. Always wear safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Wear a dust mask or respirator when working around metal, wood and chemical dust and mists.
9. Do not overreach. Keep proper footing and balance at all times. Do not reach over or across running machines.
10. Maintain tools with care. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician. The handles must be kept clean, dry and free from oil and grease at all times.
11. Disconnect power. Unplug when not in use, or when clearing, lubricating or adjusting the mixer.
12. Remove adjusting keys and wrenches. Check that keys and adjusting wrenches are removed from the tool or machine work surface before plugging it in.
13. Avoid unintentional starting. Be sure the switch is in the Off position when not in use and before plugging in.
14. Stay alert. Watch what you are doing, use common sense. Do not operate any tool when you are tired.
15. Check for damaged parts. Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the tool if any switch is not turn On and Off properly.
16. Guard against electric shock. Prevent body contact with grounded surfaces such as radiators, ranges and refrigerator enclosures.
17. Replacement parts and accessories. Parts replacement should be done by technician. When servicing use only identical replacements. Only use accessories intended for use with this tool.
18. Keep safe clearance around mixer. Keep all persons (except operator) a minimum of six feet from the mixer during operation.
19. Do not overload mixer. An overload could damage equipment.
20. Do not move mixer during operation. The mixer could tip over or the motor could be damaged.
21. Do not operate tool if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
22. Do not operate tool within residing areas.

ASSEMBLY

Note: Performance of this tool may vary depending on variations in local line voltage. Extension cord usage may also affect tool performance. Do not use too long wires and with small diameter min 2,5mm². When using different wires it may occur voltage drop.

Warning! The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.

Unpacking

When unpacking, check to make sure that all components are included. Refer to the assembly drawing on the last page. If any parts are missing or broken, please contact the manufacturer

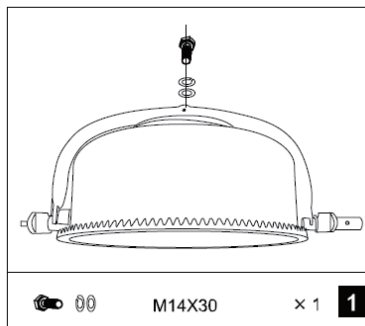
Assembly

Note: The numbers in the right corner on the diagrams correspond to the numbers on the plastic packs with assembly parts.

Fitting the lower drum with support frame:

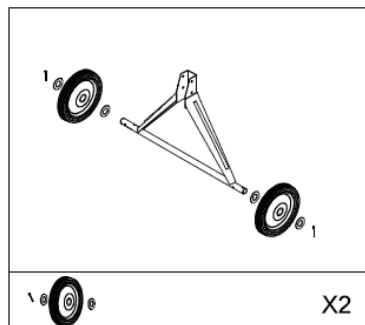
1. Place a flat washer and spring washer on the M14x30 screw, and firmly screw on the lower drum (10)

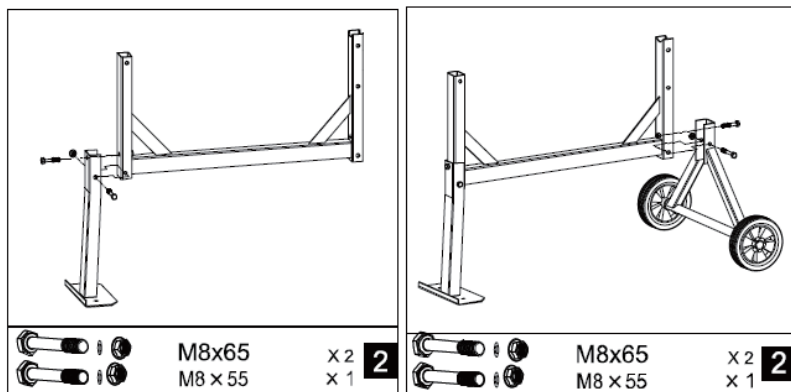
Note: the lower drum must be secured before taking it out of the box.



Fitting the wheel frame:

1. Place the lower frame in a vertical position (see diagram)
2. Put flat washers on a wheel frame (9), put on the wheels (8) and put flat washers outside.
3. Insert the cotters in the holes in the wheel frame (9) and bend out the cotters so that they cannot drop out of the holes.

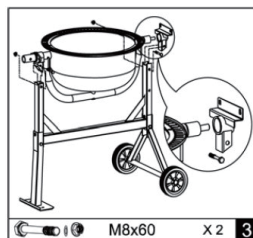


Fitting the frame:

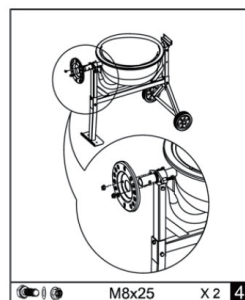
1. Fasten the front support leg (1) to the cross member (7), (1) (see diagram)
2. Put two M8x65 screws with washers in in the holes and screw on the nuts.
3. Screw a M8x55 screw with washer in the nut in the frame.
4. Firmly tighten with a spanner .
5. Turn the frame and fasten to the wheel stand (9) (seed diagram)
6. Tighten the screws
7. Check that all screws connections are properly tightened.

Fitting the lower drum:

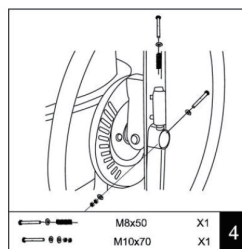
1. Two persons are needed for this stage. Carefully fit the lower drum (10) with the support frame (see diagram)
2. Align the holes on each side to the bearings, and insert the screws with washers and nuts. Firmly tighten with a spanner.

**Hand wheel:**

1. Push the lock plate on the large diameter axle (see diagram). Fasten with M8x25 screws and washers.



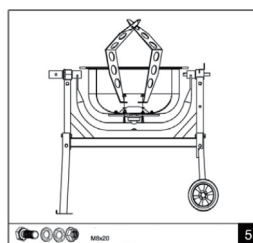
1. Screw a M8x50 screw in the tube on the hand wheel. Place washer and spring in the tube on the axle flange and hold the spring firm with one finger. Press the handle down until the openings in the axle flange and tube are opposite each other. Insert an M10x70 screw with washers, and fasten with two nuts. The spring tension is adjusted with the screws.



Mixer blade:

1. Fit the blade in the drum (see diagram).
2. There are two holes in the lower part of the drum. Use M8x20 screws. Insert the screws from the outside of the drum, and put the nuts on the inside.

Note: Place aluminium washers as seals between the blade and drum.



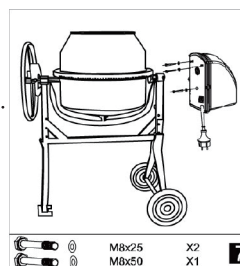
Upper drum:

1. Place the rubber packing in the slot in the lower drum. Align the holes in the slot to the screw holes.
2. Place the upper drum on the edge of the lower drum. Align the holes to each other and make sure that the arrows meet.
3. Insert eight screws with washers. Put a washer and nut on each screws, and tighten.
4. Fasten the blades in the upper drum with M8x16 screws through the holes from outside.
5. Leather washers are fitted between the blades and upper drum. Tighten the blades from outside with the nuts.
6. Check that all the blades are firmly secured.



Motor:

Align the keyways by moving the motor block on the pinion axle. Fasten the block in the frame with two M8x25 screws and one M8x50 screws with washers.

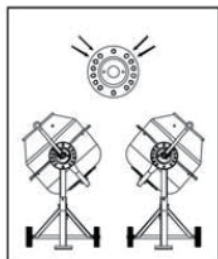


OPERATION

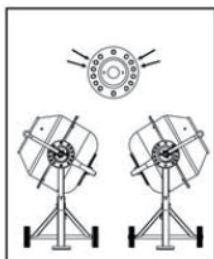
1. Place the Cement Mixer on a solid surface.
 2. Connect the power cord to an electrical outlet.
 3. Turn the switch to ON position.
 4. Add material to the drum – remember to not overload the device.
- NOTE: Do not attempt to move the Cement Mixer when it is full and/or in operation.
5. Set the drum in work position, and then lock the arm.
 6. Never leave the Cement Mixer during operation.
 7. Locate the drum in position which will facilitate to drain all fluids from drum.
 8. When finished, flip the switch to the OFF position and disconnect the power cord.

Tilting the drum:

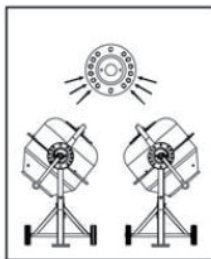
The spring locks the hand wheel in the required drum position for storage, operation or emptying. The cogs on the hand wheel engage in the gear rim and lock the drum in the required position. Pull the hand wheel towards you and turn it to change the tilt of the drum.

Drum position when filling and mixing material:

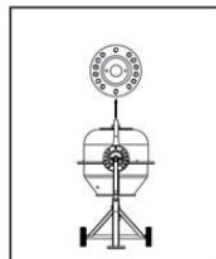
Lime solution



Concrete



Emptying



Storage

Filling:

Connect the power cord to the machine and plug it into a mains outlet. The machine should be empty before it is filled. The drum must rotate during the filling. Do not throw material into the drum. It can be thrown out. Fill from the edge.

Note: The motor is fitted with overheating protection, which switches off the motor in the event of overheating. The motor starts automatically when the temperature has dropped.

Mixing:

1. Lime solution, put the required amount of gravel in the drum
2. Add cement
3. Add the required amount of sand
4. Pour water into the drum

Emptying:

Do not switch off the cement mixer if it is full. Emptying must only be carried out when the drum is rotating

MAINTENANCE

1. After use immediately wash out all debris from the inside and outside of the Cement Mixer. Make sure the Power Cord is disconnected.
2. Do not apply water in or around the Motor.
3. Retighten belt after the first 25 hours of use. The belt should be able to be pressed in no more than 0,5 cm.
4. Periodically recheck all nuts, bolts and screws for tightness.
5. Ring beam should be cleaned every time after using.

CAUTION !

Do not throw away used electrical and electronic goods together with municipal waste.



SPECIFICATIONS



120L 230V	
Drum capacity	120 L
Power	550W
Voltage	230V/50Hz
Nett weight	51 kg
Drum speed	32RPM

140L 230V	
Drum capacity	140 L
Power	550W
Voltage	230V/50Hz
Nett weight	53 kg
Drum speed	32RPM

160L 230V	
Drum capacity	160 L
Power	550W
Voltage	230V/50Hz
Nett weight	53 kg
Drum speed	32RPM

180L 230V	
Drum capacity	180 L
Power	850W
Voltage	230V/50Hz
Nett weight	57 kg
Drum speed	32RPM

200L 230V	
Drum capacity	200 L
Power	850W
Voltage	230V/50Hz
Nett weight	59 kg
Drum speed	32RPM

CE DECLARATION OF CONFORMITY

WE
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA

Declare that the product
79954/79955/79956/79957/
79958/79959/79960
SMALL MOBILE TIPPING DRUM MIXER

Complies with the essential health and safety requirements of the following Directices:
EC Council Directive 2006/42/EC Machinery

Standards and technical specifications referred to:

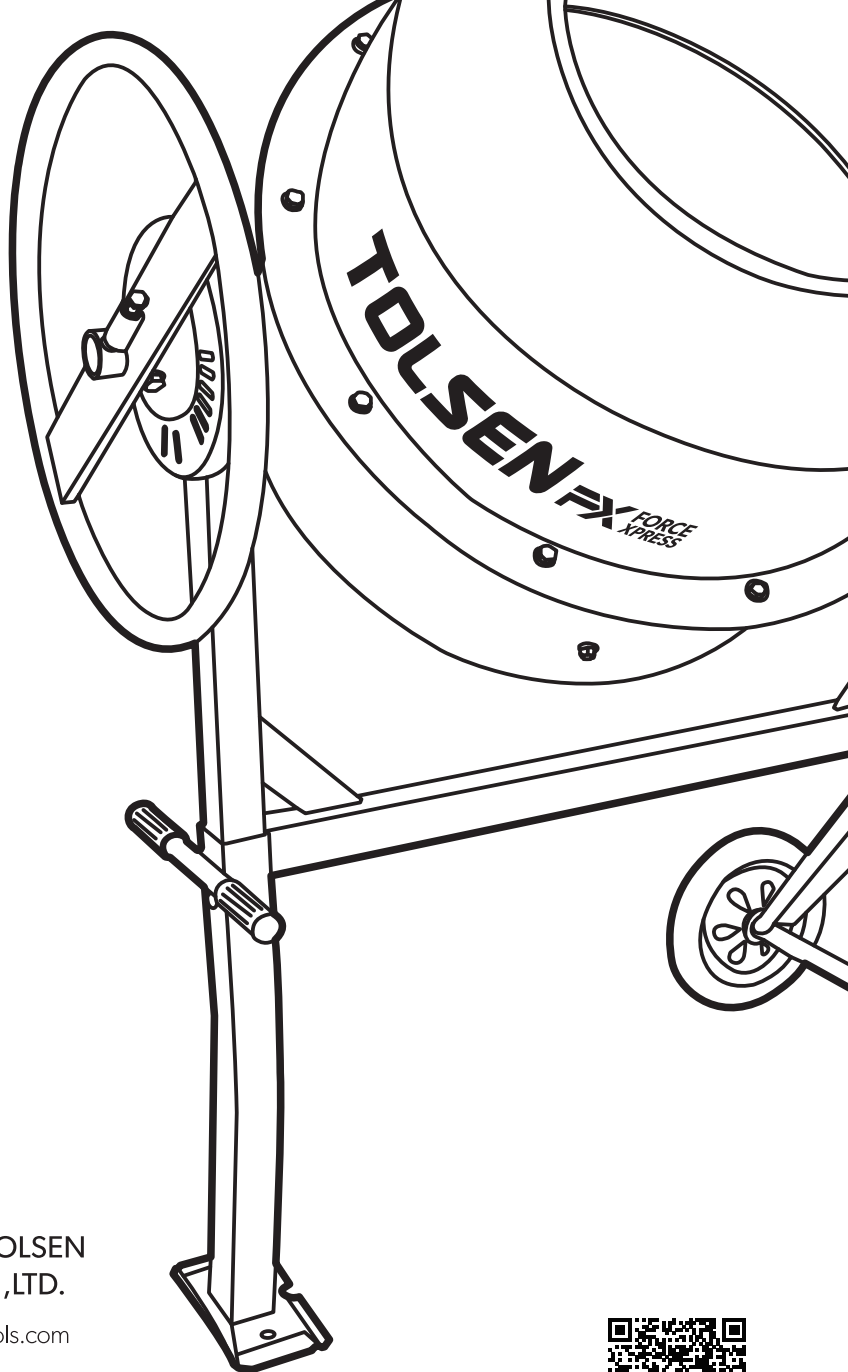
EN 12151:2007
EN 60204-1:2006/A1:2009
EN 55014-1:2006/A2:2011
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

Authorised Signatory and technical file holder

Signed for and on behalf of:
SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA
WANG QING

Group Quality Director
on:07/02/2022





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MADE IN CHINA



SCAN TO VISIT
PRODUCT LINK

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