



SIBOM ATTAMCHMENTS CONTENT YOUR NEED

PRODUCT OPERATION MANUAL

Product Model: SBCM04A Concrete Mixing Bucket

Warm reminder:

Please read the manual carefully before installing and using the product.

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I. Safety Instructions

1. Always read this manual carefully before installation

Operators and maintenance personnel must read and familiarise themselves with the manual carefully before installing, operating or maintaining the machine. Improper installation, operation or maintenance of the machine will likely result in serious injury or death.

2. Read and familiarise yourself with all safety statements

- ※ Read and familiarise yourself with all safety marks and safety statements before working;
- ※ Follow all occupational safety regulations, local laws and regulations, and other guidelines for professionals when operating;
- ※ Follow good work practices when assembling, repairing, and operating.

3. Familiarise yourself with the machine

- ※ Familiarise yourself with the performance and parameters of the machine before operation;
- ※ Check the machine carefully before operation and make sure that all devices are properly adjusted;
- ※ Ensure that the machine is securely installed, replace any parts that may be damaged, and ensure that all hydraulic connectors and hydraulic devices are securely connected;
- ※ Ensure that all safety markings are in the correct place and that they are legible. 4. Wear protective clothing.

4. Wear protective clothing

Wear protective clothing and protective goggles or masks to prevent injury from splashing during operation. 5.

5. Do not modify the machine in any way.

6. Maintain the machine safely

- ※ When servicing the machine, lower the machine to a level surface and keep it away from traffic and other dangerous places. If the machine needs to be lifted for servicing, it must be stabilised with a solid object beforehand;
- ※ Use special tools as specified in the operating procedures. If you do not have a special tool, you can use a similar tool, but if a

common tool can cause this or that kind of damage to the parts, you must use a special tool.

7. Safe operation of equipment

- ※ Do not operate the machine if you are drunk or under the influence of drugs;
- ※ If someone enters the hazardous area of the operation, stop the operation of the machine immediately, and when stopping the operation, place the machine flat on the ground.

II. Product Description

1、Product Structure Description (Figure 1):

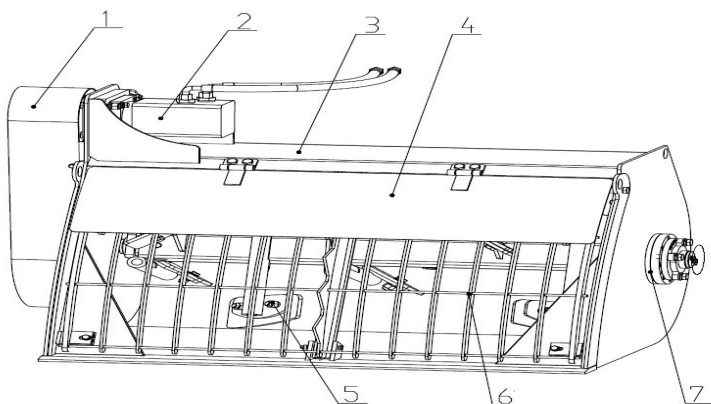


Figure 1

- 1- Gear cover; 2- Motor; 3- Bucket body; 4- Cover (optional);
5- Winch; 6-Fence; 7-Bearing seat;

2. Technical performance indicators:

Product Model	SBCM04A
Overall length (mm)	875
Overall width (mm)	1500
Overall height (mm)	1015
Bucket inner width (mm)	1200
Production capacity of one bucket (m ³)	0.45
Total weight of product(Kg)	550
Full bucket weight (Kg)	1880
Rotating speed (r/min)	28-50
System flow rate (L/min)	60-110
System pressure(MPa)	16-21

Applicable models: skid steer loaders

Note: ① concrete raw material stone size less than 20mm; ② each time the mixing capacity of the material by the customer according to the actual lifting capacity of the host computer and the weight of concrete per cubic metre of the following table to judge for themselves.

Concrete type	C20	C25	C30
Weight Kg/m ³	2396	2400	2430

P. S. The product is constantly updated and improved, we reserve the right to change the parameters and design without prior notice to the user, the appearance of the product in the photo may differ from the actual product,

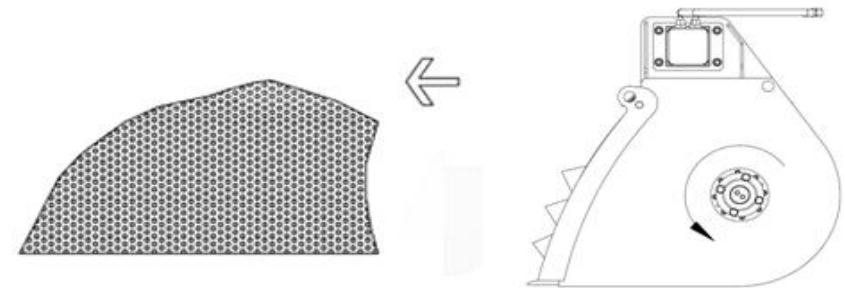
the specific in kind shall prevail.

III. Operation Instruction

This machine is installed in front of the loader, relying on the loader to travel for loading materials and relying on the loader to provide power for mixing operations. The mixing hopper has reasonable structure and is suitable for construction sites, roads and other construction types of work. The specific operation is as follows:

Note: Please ask the customer to add the limiting block (collecting bucket, tipping bucket) by themselves according to the host!

1. Connect the concrete mixing bucket to the main machine through the pendant, and connect the hydraulic pipeline (connect the inlet and outlet oil pipe, oil discharge pipe with the inlet and outlet oil port and oil drain port of the main machine).
2. The mixing bucket winch paddle is designed in the shape of a long round hole with adjustability, and the distance between the paddle and the bottom and side plates of the mixing bucket can be flexibly adjusted according to the actual use situation before use.
3. Turn on the power switch of the main machine and adjust the direction and angle of the mixing bucket.
4. Before filling materials, the mixing paddle should be made to reach the normal speed before loading, and the quantity of materials in the hopper should be equal to the working diameter of the mixing paddle and should not be too much when filling materials (① the host drives the mixing hopper to shovel the materials (as shown in Fig. 2); ② the manual filling). After filling the material, the water poured into the hopper should be evenly sprinkled on the material, and the hydraulic system of the driving host will supply oil to the mixing bucket to drive



the paddle to stir the material, if the material attached on the surface can not enter into the diameter range of the paddle of the mixing bucket, please ask the driver to operate the host to adjust the angle of the hopper, so as to make the edge of the material to fall into the range of the work of the paddle. In order to prevent the concrete from splashing during the mixing process, a cover plate (optional) can be used to cover it. The mixing material shall not exceed the rated capacity of the mixer, and it is strictly prohibited to load the material first and then start it, so as to prevent the mixing blades from suffocating and stopping. (Note: The direction shown by the arrow in Fig. 2 is the direction of rotation of the winch.)

Figure 2: Mainframe drive loading

5. In the process of material mixing, it is strictly prohibited to put your hand or tool into the hopper to pick up and discharge the material. When the material is evenly mixed, the hopper is discharged from the front fence. If there is a place where the mixing can not be, you can properly adjust the angle of the hopper to achieve the best mixing effect.
6. After completing the work, the concrete left at the bottom of the mixing hopper should be cleaned up in time to prevent it from drying out and placed in a dry place for the next use.

IV. Maintenance Instructions

1. Thoroughly clean surfaces of all mud, dirt and grease.
2. Check for visible signs of wear and repair broken or damaged fittings as necessary to avoid affecting the next use.
3. Check all bolts, nuts and screws and tighten all loose nuts, nuts and screws.
4. Check the hydraulic system and solenoid valve set, tighten all slack piping connections.
5. Regularly check the sealing condition of the equipment, and check the quality of the gasket in time if any slurry leakage is found.
6. Fill all lubrication points (I, II, III) with grease (once per shift), and remove the sprocket cover when I and II are filled with grease (Figure III).

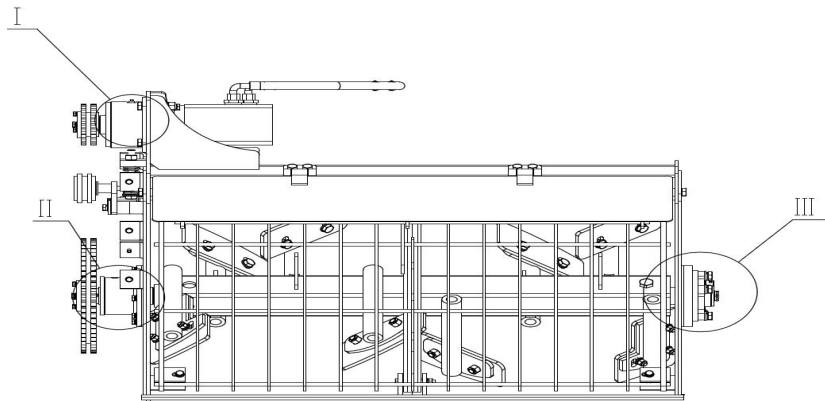


Figure 3: Grease filling position.

1. The gear chain should be lubricated with oil every 3 months, and the sprocket tensioning device should be checked and adjusted regularly every 1 month to ensure the tension.
2. Replace damaged or blurred labels.
3. If the paint is peeling off or damaged, please make up the paint in time to prevent rust.

Warm tips:

① Routine maintenance of the machine can effectively extend the service life of the machine and improve the efficiency of the product.

② need to replace parts, only the parts approved by the manufacturer.

Please pay attention to the protection of the product nameplate, the product nameplate is mutilated or lost will not be able to warranty.

V. storage Instructions

1. When entering the warehouse, put the machine on the partition and prohibit direct contact with the ground.
2. It should be stored in dry and safe place, exposure will shorten the life of the equipment.
3. Hydraulic lines are closed up with oil port caps.
4. Grease all leaking cylinder rods.
5. service and maintain this machine regularly.