

# Jaw Crusher





## Overview

Jaw crusher is one of the most widely used crushing equipment in mining industry. It features simple structure, easy maintenance, stable performance, even final particles and high crushing ratio.

## Application

Jaw crusher has been widely applied in mining, metallurgical, construction, road and railway building, water conservancy and chemistry etc. It is mainly applied in the primary crushing in which the compressive strength of original material is under 320Mpa.





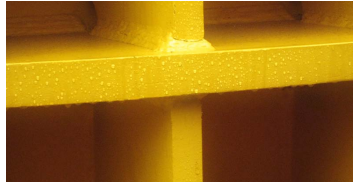
# Main Features & Benefits

Based on years' experience and technology development, SBM jaw crusher series are of 9 different models, which can meet most crushing requirements in primary and secondary crushing.



1. Simple structure and easy maintenance.
2. Stable performance and low operating cost.
3. High crushing ratio.
4. Use high manganese steel, one-off foundry.
5. High resistance to friction, abrasion and compression with longer operating life span.





# Operation & Maintenance

## 1. The jaw crusher should be greased and oiled regularly; this should be done prior to each use.

This should be done prior to each use. To do this, simply turn all grease caps one full turn (clockwise) and put a few squirts of oil in both of the oil cups. If grease caps are tight, add more grease (see MAINTENENCE below).

## 2. Check jaws for cleanliness and clean them if needed.

Loosen the wing nuts and remove the front shield, then loosen the hopper wing nuts and move it up and back so that the jaw cam lock is exposed. Lift the cam lock up to release the stationary jaw so that it may be lifted straight out. If it is jammed, the cam lock may be freed by tapping lightly with a mallet or ball-peen hammer.

## 3. Adjustment of jaw spacing.

Turn the circuit breaker to the "ON" position. Start the machine and allow it to come up to full speed. Loosen the square-head bolt (left). This will allow the hand knob (or right) to turn. Slowly turn the hand-knob clockwise until the jaws of the crusher can be heard just touching each other.

## 5. Prior to next use, clean the crusher and collection tray(s) as described previously.

When done for the day, make sure the lab is cleaner than it was when you started, that the breaker to the crusher is turned off, lights are out, and door closed and locked.

## 4. When the crushing process is complete, remove the sample collection tray and transfer its contents to a clean container.

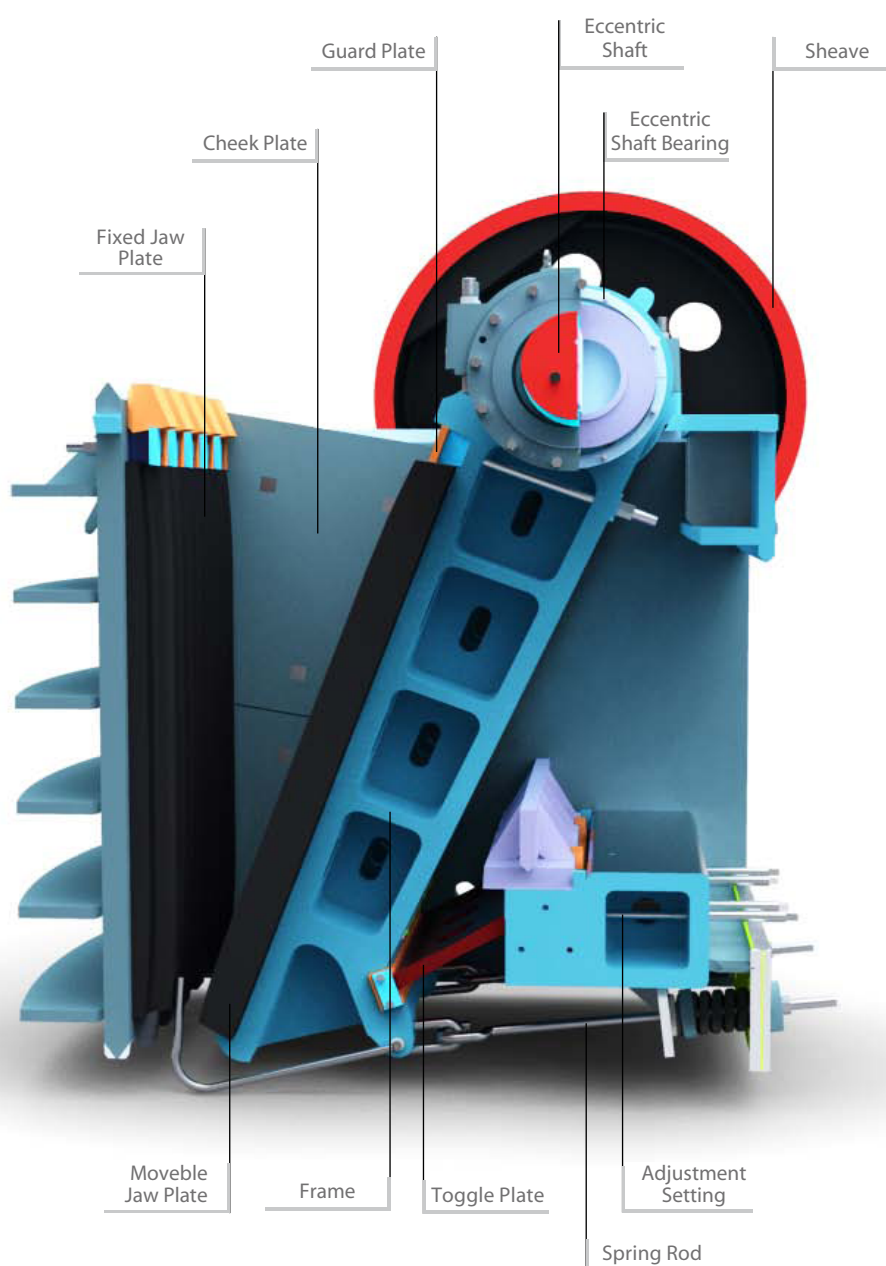
## 6. Overheating.

If for some reason the machine jams or stops running in the middle of processing, turn the circuit breaker for the machine "OFF" before doing any inspection. Once the circuit breaker is off, the thermal relay and motor relay will need to be reset. Press the red stop button for the machine and reset the relay for the motor. Wait a few minutes for the motor to cool. Before turning the breaker switch "ON" and restarting the machine, make sure the cause of the stoppage has been alleviated.



# Main Structure

Jaw Crusher is made up of frame, flywheel, movable plate, fixed plate, toggle plate, set adjustment, main bearing etc. The toggle plate is used for protection.



# Technical Data

Model	Max. Feed Size (mm)	Adjustable Range of Discharging Opening(mm)	Feed Opening (mm)	Motor Power (kw)	Capacity (t/h)	Weight (t)
PE-150×250	125	10-40	150×250	5.5	1-5	0.81
PE-250×400	210	20-60	250×400	15	5-20	2.8
PE-400×600	340	40-100	400×600	30	25-65	6.5
PE-500×750	425	50-100	500×750	55	45-80	10.1
PE-600×900	500	65-160	600×900	55-75	70-150	15.5
PE-750×1060	630	80-140	750×1060	110	130-260	28
PE-900×1200	750	95-165	900×1200	110-132	220-500	50
PE-1000×1200	850	195-265	1000×1200	132	250-700	57
PE-1200×1500	1020	150-300	1200×1500	160-220	400-1000	100.9

*Note: This specification is just reference, any changes are subject to the jaw crusher products.*







## Working Principle

Jaw crusher machine uses motor as its power. Through the motor's wheels, the eccentric shaft is driven by the triangle belt and slot wheel to make the movable jaw plate move by a regulated track. Therefore, the materials in the crushing cavity composed of fixed jaw plate, movable jaw plate and side-lee board can be crushed and discharged through the discharging opening.



# Service

Since the establishment, Shanghai Shibang Machinery Co., Ltd has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients.



Service Promise: from the design process to delivery, we do every step carefully to satisfy clients to the best.

## 1. Pre-sale Services

Act as a good adviser and assistant of clients; enable them to get rich and generous returns on their investments.

- ◆ Select equipment model
- ◆ Design and manufacture products according to clients' special requirement
- ◆ Train technical personnel for clients

## 2. Services During The Sale

Respect clients; devote ourselves to improving the total value of clients.

- ◆ Pre-check and accept products ahead of delivery
- ◆ Help clients to draft solving plans

## 3. After-sale Services

Provide considerate services to minimize clients' worries.

- ◆ Assist clients to prepare for the first construction scheme
- ◆ Install and debug the equipment
- ◆ Train the first-line operators on site
- ◆ Examine the equipment regularly
- ◆ Provide maintenance for big items
- ◆ Provide technical exchanging
- ◆ Provide perfect service
- ◆ Distribute the guarantee fittings door-to-door
- ◆ Take initiative to eliminate the troubles rapidly at site







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*Any change of technical data shall not be advised additionally.*