

Jaw crusher, jc jaw crusher's working principle, jc jaw crusher's main structure

JC series of Jaw Crushers : With the most advanced technology research , professional manufacture installation ,and perfect service ,Shanghai Shibang Group is a crushing and grinding manufacturer with world leading rock and ore processing equipment ,You can find thousands of crushing equipment all over the world since its founding day.And the JC series of Jaw Crusher has become the most popular jaw crusher in the world .And you should choose the JC series of **Jaw Crusher** with international crushing and manufacturing level if you want to crush the hard and orosion materials and also want to achieve the results with high efficient ,low cost .And **JC Jaw Crusher** has been mainly applied in the field of Metallurgy, mining, chemical, cement, construction, refractory and ceramic .And **JC Jaw Crusher** is mainly used for crushing various mid and hard ores and rocks in mid and fine crushing process. And its crushing pressure-resistance is under 280Mpa and the biggest size of the crushed materials should not over the specifications the parameter form set.

Main Structure of JC Jaw Crusher

The JC series of **jaw crushers** in European style are mainly consisted by frame ,the rotation part of the eccentric bearing,the working part of the crushing cavity ,the safety unit,the adjustment devices of the discharging opening and so on.

1Frame :it is consisted of side plate ,front box module , back box module and so on.

2The rotation part of the eccentric bearing : **JC Jaw Crusher** is consisted of jawstock,eccentric shaft,bear,bearing seat,pulley ,and so on.

3The crushing cavity: **JC Jaw Crusher** is consisted of fixed jaw,moveable jaw ,toggle plate,cheek plate and other components ,which are the working spare parts of the crushing materials .

4Secure equipment: it is consisted of toggle plate socket,toggle plate ,the tension rob of spring and so on ,which are the secure parts.

5The adjustment devices of the discharging opening: this kind of equipment can be used to adjust the size of the discharge opening ,thus controlling the discharge size ,which are mainly consisted of fixed slant lump,the lump to adjust gliding ,top thread bolt socket ,the tension rod to tight gliding lump ,etc.

Technical Features JC Jaw Crusher

1. Adoption of the world-class manufacturing crafts and top manufacturing materials .
2. Jawstock assembly is made of high quality cast steel and the heavy eccentric shaft adopts the forging billet ,which can make the machine with excellent reliability and durability.
3. The bearing seat adopts the whole cast-steel structure ,which ensure the complete combination with the crusher frame and greatly strengthen the intensity of the axle bearing .
4. Use of finite element anlysis technology makes the crusher with high intensity.
5. The cavity adopts the symmetrical structure ,which can make the pratical feeding width comply with the mamed feeding width.
6. European style JC series of jaw crushers are equipped with wedge adjustment devices ,which is simplier ,safer ,and faster than former gasket devices.
7. Compared with the same specification of crushers , **JC Jaw Crusher** is equipped with greater and more durable eccentric shaft bearings,the better carrying capacity and more effective labyrinth seal greatly extend the service life of the bearings .
8. The newly-adopted tooth-boards have greatly increased the effective length of the jaw ,resulting in larger yield.

Working Principle JC Jaw Crusher

This kind of jaw crusher uses motor as its power. Through the motor's wheels, the eccentric shaft is driven by the belt and the belt wheel to make the jawstock move by a regulated track. And the materials will be crushed by the regular periodic movement .The materials between the two jaw plates will receive multi-crushing functions on the jaw plate .And the final

products will be discharged by the discharge opening .

Products Advantages [**JC Jaw Crusher**](#)

JC series **jaw crusher** features finite element analysis technology , top manufacturing materials, higher crushing strength ,simple structure ,more safer and convenient ,which has greatly extended the bearing's service life .Due to the tooth guard ,the whole cast steel of the bearing seat has greatly improved the production,and have definitely occupied the leading position in our China's machinery area.

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