

## JC series of jaw crusher

### Introduction to the JC series of jaw crusher



As the world-leading rocks and mine processing enterprises, we company has developed this kind of **JC series of jaw crusher**, which have received the international welcome .And at present, you can find thousands of this kind of crushing equipments all over the world since the end of 20<sup>th</sup> century. So now the **JC series of [Jaw crusher](#)** has definitely become the world most welcome crusher .And you can choose the **JC series of jaw crusher** with the world advanced crushing and manufacturing technology when you want to crush the materials featuring hard and high erosion.

### Technical features of JC series of jaw crusher

1. The **JC series of jaw crusher** adopt the world-class manufacturing crafts and top manufacturing materials .
2. And the moveable jaw assemble adopts the quality cast steel And the heavy eccentric shaft adopts the forging stock to proceed the processing ,which will make the **JC series of [jaw crusher](#)** feature more 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. The **JC series of jaw crusher** adopt finite element analysis technology makes the crusher with high intensity.
5. The crushing cavity of the **JC series of jaw crusher** adopts the symmetrical structure , which can make the practical feeding width comply with the named feeding width.
6. **JC series of jaw crushers** are equipped with wedge adjustment devices , which is simpler ,safer ,and faster than former gasket devices.
7. **JC series of 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 ,thus improving the larger yield.

## Application of JC series of jaw crusher

1. And this series of **jaw crusher** has been mainly applied in the field of Metallurgy, mining, chemical, cement, construction, refractory and ceramic .And **JC series of jaw crusher** is mainly used for crushing various mid and hard ores and rocks in mid and fine crushing process.
2. And the crushing pressure-resistance of **JC series of jaw crusher** is under 280Mpa and the biggest size of the crushed materials should not over the specifications the parameter form set.

## Working principle of JC series of jaw crusher

The working principle of [JC series of jaw crusher](#) are as follows: The motor will drive the belt and belt wheel. And the jawstock will swing up and down by the eccentric bearing.The materials will be crushed or cut when the jawstock push the moveable jaw toward the fixed jaw. when the jawstock and moveable jaw retreat as the effect of the eccentric bearing and spring ,the materials which has been crushed or cut will be discharged by the discharge opening. As the continous rotation of the motor and the regular crushing and discharging of materials by the jawstock , **JC series of jaw crusher** will realize the mass production.

## Main technical parameters of JC series of jaw crusher

jaw crusher

Parameter Model Content		JC1302	JC1003	JC1303	JC604
Feeding Opening(mm)		180×1300	250×1000	250×1300	400×600
Max Feeding Size(mm)		150	220	220	350
Adjustable Range of Discharge Opening(mm)		10-30	20-40	70-100	35-85
Eccentric Shaft Rotation Speed(rpm)		320	330	290	250
Theoretical Producing Capacity(t/h)		12-35	15-50	26-85	15-70
Electric Motor	Model	Y225M-6	Y225M-6	Y250M-6/Y280S-6	Y225M-6
	Power(Kw)	30	30	37/45	30
	Rotation Speed(rpm)	980	980	980	980
Overall Dimension (L×W×H)		1320×2150	1400×1850	1450×2150	1920×1460

	×1175	×1310	×1175	×1840
Weight(Kg)	6000	5600	6800	
Voltage (V)	380	380	380	380
Frequency (Hz)	50	50	50	50

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