

# Crusher

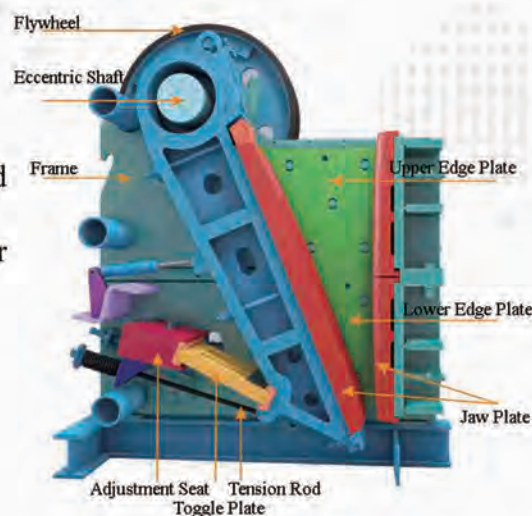
## CGE JAW CRUSHER



CGE jaw crusher is a kind of large compound pendulum jaw crushers, which we introduce advanced foreign technology to manufacture. It is one of the most commonly used crushers in industrial and mining production and is widely used in primary and secondary crushing for various kinds of stones and rocks with compressive strength less than 350MPa. With design of new structure, new technology and optimized structure parameter, CGE series jaw crusher performs so well that can reach world-leading level. Featured with compact and sturdy rack construction, it adopts hardened and tempered forgings for main shaft and integrally annealed body weldment. Specially processed fixed jaw plate and movable jaw plate have a much longer service life than traditional Manganese plates by using superior wear-resistant materials. CGE series jaw crusher is characterized by high reduction ratio, uniform product size, long service life, compact structure, reliable performance, easy maintenance and low power consumption, etc. It is the first choice for primary crushing equipment.

### Features:

1. Unique deep cavity design with bigger capacity.
2. Hydraulic adjust discharge opening size is more convenient and flexible.
3. Hydraulic cylinder for maintenance can reduce the labor intensity of toggle plate replacement.
4. Tenon type welding frame makes the crusher stronger.
5. A variety of replacement jaw plates is available.
6. Use high quality and durable bearing.



### Specification:

Model	Feed Opening Size (mm)	Max Feed Size (mm)	Discharge Size (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CGE-100	550*910	450	70-130	54-150	75-90	11000
CGE-200	630*910	500	65-195	125-290	90-110	15500
CGE-300	760*1065	650	100-170	210-420	110-132	28000
CGE-350	860*1065	750	200-270	240-500	110-132	28600
CGE-400	910*1220	750	100-250	280-570	160	45000
CGE-500	1060*1220	900	100-300	300-650	160-200	56700
CGE-600	1070*1370	600	100-300	395-720	200	58000
CGE-800	1200*1600	1020	150-350	500-900	250	80100



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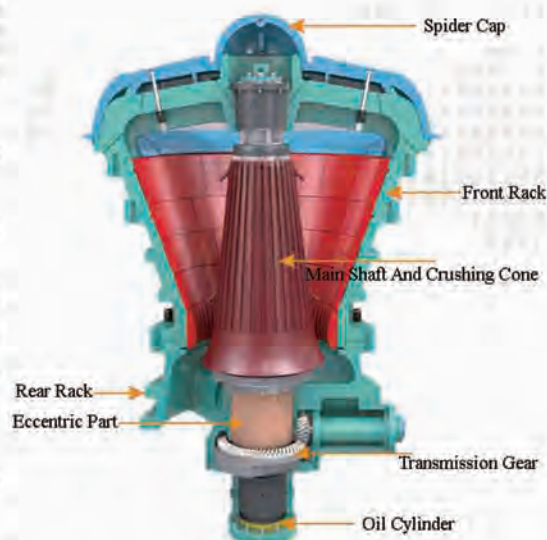
## CPXL GYRATORY CRUSHER



The gyratory crusher we developed is a novel crusher which combined all performance of gyratory crushers from various companies. This gyratory crusher has a large dip angle crushing cavity and a longer crushing plane. Liner plates made from special materials contribute to a bigger crushing capability of the crusher and a longer service life of liner plates. The extra-heavy duty rack and its integral vertical shaft assembly ensure a longer service life of the crusher and a more safe and reliable operation. The main shaft position indicator system can observe the size of discharge opening visually. Different capacities can be reached by changing eccentric bushings with different eccentricities to meet various requirements of users.

### Features:

1. With bigger inclination crushing cavity and longer crushing surface, it achieves the continuous crushing, bigger capacity and higher efficiency than the general cone crusher.
2. Unique crushing cavity design makes smooth discharge, greater crushing capacity, and less abrasion of side plate.
3. Spiral bevel gear transmission design brings great loading capacity, smooth running, and low noise.
4. Hydraulic device adjusts the discharge opening size, reducing the labor intensity.
5. Having the iron pass protection device; when super-hard materials fall into crushing cavity, piston-type accumulator and one-way valve make main shaft down quickly and up slowly to discharge the materials, reduce shocks, and operate safely and stably.
6. Effective dust sealing; Assembled with a positive pressure air blower, no dust fall into the eccentric and driving device.
7. Crusher design with high strength and steady frame can be fed directly by transport machine and work perfectly well in the harsh environment.



### Specification:

Model	Feed Opening Width (mm)	Max Feed Size (mm)	Nominal Width of Discharge Opening (mm)	Range of Discharge Opening (mm)	Power (KW)	Capacity (T/H)
CPXL-4265	1040	800	180	180-220	315	1200-2000
CPXL-5065	1210	1000	180	180-200	355	1800-2800
CPXL-5475	1400	1200	220	210-230	450	2400-4000
CPXL-6075	1600	1350	180	180-210	800	3000-8000
CPXL-6589	1600	1350	230	210-240	800	4800-10000



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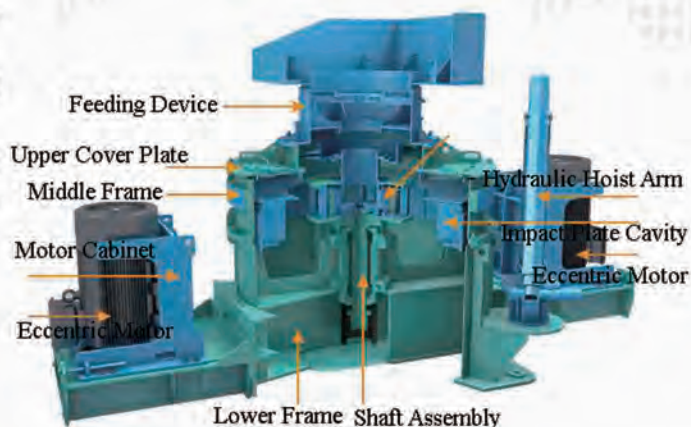
## CSCB VSI CRUSHER



Vertical shaft impact crusher also called sand making machine, is the type of fine crusher that is designed by the principle of impact, grinding and cutting. It adopts the most advanced technology design to achieve high level. It is appropriate for various industrial and mining conditions (normally excluding materials with high moisture and stickness), and is especially suitable for hard and brittle materials, as well as materials with high hardness and high abrasiveness. The final product size comes out to be uniform, in solid cubic shape and with even size fraction. It particularly meets the demand of artificial sand, concrete, beneficiation crushing in industries of modern construction, water conservancy, and mining, etc.

### Features:

1. Dual-motor drive has stronger power and higher capacity.
2. The two types of cavities —“stone strikes stone”, “stone strikes iron”— can be exchanged easily. Sand making and material reshaping only need to change feeder hopper and pulley of crusher.
3. The separated hydraulic hoist device simplifies the replacement of impact plate and inside/outside rotor blades, and decreases downtime.
4. Rotors with different quantity of hammerheads could meet different process requirements.
5. Thin oil lubrication system guarantees a good bearing cooling and a long service life.
6. The equipped vibrating sensor can detect the crusher inner vibration, making it easy for users to judge crusher normal working condition.



### Specification:

Model	Impeller Speed (r/min)	Max Feed Size (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CSCB-850	1230-1560	40	200-320	200*2 (132*2, 160*2, 220*2)	11300
CSCBF-850	1230-1560	40	200-330	200*2 (132*2, 160*2, 220*2)	13900
CSCBL-850	1230-1560	40	240-400	200*2 (132*2, 160*2, 220*2)	11400
CSCB-1000	1070-1310	40	280-540	200*2 (160*2, 200*2, 250*2)	13900
CSCBF-1000	1070-1310	40	280-540	200*2 (160*2, 200*2, 250*2)	16500
CSCBL-1000	1070-1310	40	330-620	200*2 (160*2, 200*2, 250*2)	14000



# Crusher



## CPE JAW CRUSHER

CPE jaw crusher is a new generation product designed in China from 1990 to 2005. It is one of the most commonly used crushers in industrial and mining production and is widely used in primary and secondary crushing for various kinds of stones and rocks with compressive strength less than 320MPa. The main working principle is that the motor drives the V-belt and grooved wheel which connect the eccentric shaft. Through the movement of eccentric shaft, the movable jaw plate moves up and down. Materials are crushed in the crushing cavity formed by fixed jaw plate, movable jaw plate and cheek plate, and final product will be discharged at the bottom. CPE series jaw crusher is widely applied in ore crushing, railway, highway, energy, cement, chemical, construction industries, etc.

### Specification:

Model	Feed Opening Size (mm)	Max Feed Size (mm)	Discharge Size (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CPE-250*400	300	210	20-80	5-21	15	2280
CPE-400*600	275	340	40-100	16-64	30	6500
CPE-500*750	275	425	50-100	46-100	55	10300
CPE-600*900	250	500	650-160	48-120	55-75	15500
CPE-620*900	250	500	95-145	50-112	55-75	16000
CPE-750*1060	250	630	80-140	115-208	110	28000
CPE-800*1060	250	650	100-200	136-229	110	30000
CPE-870*1060	250	670	200-260	288-384	110	30500
CPE-900*1200	200	750	100-200	144-304	132	50000
CPE-1000*1200	200	850	195-2650	315-342	132	51000
CPE-1200*1500	180	1020	150-350	300-800	220	82800
CPE-1500*1800	180	1200	200-350	450-1000	355	122000
CPEX-150*750	320	120	18-48	8-26	15	3500
CPEX-250*750	330	210	25-60	12.8-35	22	4900
CPEX-250*100	330	210	25-60	16-52	30-37	6500
CPEX-250*1200	330	210	25-60	20-60	37	7700
CPEX-300*1300	300	250	20-90	20-104	75	11000



# Crusher



## CPYS CONE CRUSHER

### Multi-Cylinder Hydraulic Cone Crusher Features:

1. Diverse crushing cavities, easy replacement.
2. Concave and mantle of cone crusher adopt none filler materials methods. Simple fastening way and quick replace speed are greatly reducing the downtime.
3. Hydraulic cylinder provides crushing cone force and has clear cavity functions, safe and convenient.
4. Hydraulic motor adjust s discharge opening, more efficiently.
5. The lubrication device has a variety of flexible cooling ways, applied in wide range of areas.

### Spring Cone Crusher Features:

1. Diverse crushing cavities, easy replacement.
2. Greater crushing force, higher capacity.
3. The spring protection system has automatic iron pass function.
4. When the machine halts suddenly, the clear cavity jack can quickly discharge materials to presume production.
5. The lubrication device has a variety of flexible cooling types, applied in wide range of areas.

### Specification:

Model	Diameter of Crushing Cone(mm)	Max Feed Size (mm)	Discharge Opening Range (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CPYSB-09	900	35-150	3-38	27-163	75	12367-13316
CPYSB-13	1300	54-220	3-51	36-358	160	21700-22300
CPYSB-16	1600	60-313	5-64	90-417	250	42700-43400
CPYSB-21	2100	89-391	5-64	218-1941	400	76240-77810



# Crusher



## CPF IMPACT CRUSHER

CPF impact crusher appeared in China in 1990s which introduced advanced foreign technology. It adopts the force of impact as its crushing principle. During the operation, with the drive of motor, the rotor turns at a high speed. When materials enter the blow bar crushing area above rotor, they are thrown to the impact plates with the strike strength of blow bar for second crushing and finally being discharged at the bottom part. Output sizes and product shape can be changed by adjusting the clearance between impact rack and rotor. CPF impact crusher is suitable for crushing stones and rocks with input size less than 500mm and compressive strength less than 250~300Mpa, such as, limestone, slag, coke, coal, etc. It is not appropriate for crushing sticky materials or materials with apparent moisture more than 8%-10%. Characterized by cubic shape product size, high reduction ratio, high crushing efficiency and easy maintenance, CPF impact crusher is an ideal crushing equipment for highway construction, hydropower construction, water conservancy project, and building industries, etc.

### Specification:

Model	Rotor Size D*L (mm)	Feed Opening Size (mm)	Max Feed Size (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CPF-0807	850*700	400*730	150	15-30	45	8130
CPF-1007	1000*700	400*730	200	30-50	55	9500
CPF-1010	1000*1050	400*1080	250	50-90	55	12127
CPF-1210	1280*1050	400*1080	300	70-120	100-132	15340
CPF-1214	1280*1400	400*1430	300	95-184	132-160	18500
CPF-1310	1300*1050	490*1170	300	80-140	110-160	21200
CPF-1315	1320*1500	740*1600	350	130-200	220-250	23140



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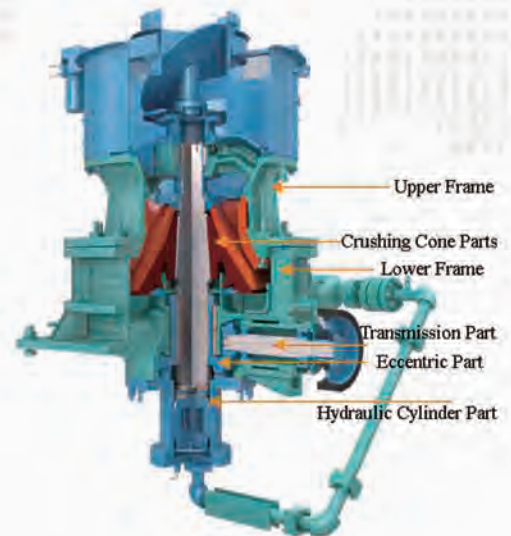
## CPYQ CONE CRUSHER



CPYQ single-cylinder hydraulic cone crusher is widely used in secondary, tertiary and forth crushing of various stones and rocks with medium and high hardness. It is featured by advanced design, simple structure, compact appearance, high crushing capability, easy operation and maintenance. The craft process can be automatically controlled by adjusting discharge opening through hydraulic device, and carrying out overload protection. Main shaft is supported both from the top and bottom, among which, the top adopts spherical support, which can endure bigger crushing force and stroke. Special crushing chamber that is designed according to the principle of lamination reduces direct abrasion to liners, and thus lengthens the service life of liners. The product size fraction comes to more even and cubic shape proportion increases apparently. Different crushing chambers are optional to meet different requirements.

### Features:

1. Diverse crushing cavities, easy replacement. Extra-coarse type, coarse type and medium type are equipped with feed hopper having material level detection function; while fine type is equipped with the average feeding material device.
2. Displacement sensor can quickly, accurately detect and set the size of the discharge opening.
3. Accumulator and throttle valve can cooperate with hydraulic cylinder, automatically discharge iron to protect the main engine when iron and other can't be crushed materials enter into the crushing chamber.
4. Concave and mantle of cone crusher adopt none filler materials method, Simple fastening way and quick replace speed are greatly reducing the downtime.
5. Spiral bevel gear has a bigger transmission torque. Operate smoothly and with low noise.
6. The dust-seal air lines ensure the internal clean and make all pieces of copper friction pair has a longer life.



### Specification:

Model	Diameter of Crushing Cone(mm)	Max Feed Size (mm)	Discharge Range of Discharge Opening (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CPYQ-09	900	65-210	4-40	27-180	90-132	9900-10500
CPYQ-12	1200	100-270	6-40	120-335	160-220	15100-15800
CPYQ-15	1500	125-350	10-40	230-780	315-450	34100-34600
CPYQ-18	1800	150-400	10-64	390-1460	500-630	58100-59200



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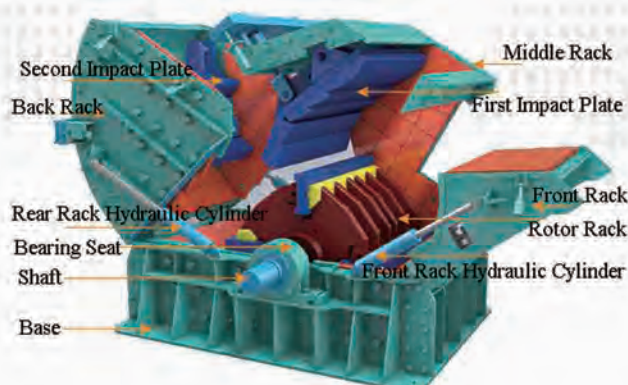
## CGF IMPACT CRUSHER



CGF impact crusher is designed and manufactured by introducing advanced technology from European country. It is featured by non-key joint and bigger lock torque between blow bar and rotor. Besides, front and rear rack can be opened by hydraulic adjusting device, which simplified the operation of blow bar changing and discharge size adjustment. Big crushing chamber and feed opening, as well as increased rotational inertia of rotor contribute to bigger reduction ratio and capacity. Widely applied in metallurgy, building materials, chemical industries, CGF impact crusher is suitable for primary, secondary and tertiary crushing of brittle materials with medium hardness, such as, limestone, dolomite, sandstone, graphite, halite, granite, and basalt etc. It is an ideal crushing equipment to get perfect product size in cubic shape.

### Features:

1. Advanced design and technology in the world.
2. Automatically open front/rear racks by hydraulic adjusting device.
3. Hydraulically adjust discharge dimensions.
4. Most of liners with same specifications can be exchanged
5. Liner is fastened by wedge plate which is easy for installation and replacement.
6. The third cavity adopts concept of "stone strikes stone".



### Specification:

Model	Rotor Size D*L (mm)	Feed Opening Size (mm)	Max Feed Size (mm)	Capacity (T/H)	Power (KW)	Weight (KG)
CGF-1008	1000*800	870*960	≤200	75-150	55-75	9500
CGF-1313	1280*1340	500*1460	≤200	160-220	132-200	19800
CGF-1515	1540*1500	504*1630	≤300	320-380	280-315	30000
CGF-1618	1600*1800	550*1800	≤500	400-500	400-500	49000
CGF-1820	1800*2000	650*2000	≤600	600-750	700-800	65000