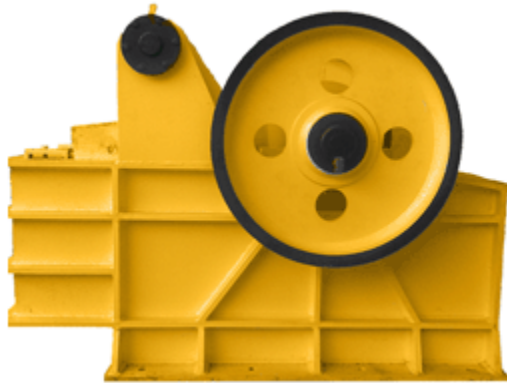


Crushing Equipment

Single Toggle Jaw Crusher



Rashtriya Engineering Works is a Single Toggle Jaw Crusher are heavy duty and have Grease lubrication system. These crushers are designed for long life service with minimum maintenance for hard, tough and abrasive material, including Ferro Alloys. The principal of crusher is on the basis of compression on rock against metal.

Single Toggle jaw crusher is usually used as primary crusher in quarry production lines, mineral ore crushing plants and powder making plants. It can be described as obbligato machine in mining, building construction, construction wastes crushing, Hydropower and Water Resource, railway and highway construction and some other industries.

Working Principle

The strip and strip pulley are driven by a motor, and the movable jaw moves up and down via eccentric shaft. The angle between fixed jaw and movable jaw becomes smaller when the movable jaw runs down, then the materials are crushed into pieces. It will become bigger when the movable jaw runs up. The movable jaw board leaves the fixed jaw board under the action of pole and spring, then the end products come out from the crushing cavity.

Application

Jaw crusher is widely used in various materials processing of mining & construction industries, such as it is suit for crushing granite, marble, basalt, limestone, quartz, cobble, iron ore, copper ore, and some other mineral & rocks.

Standard Features

The body of "REW" Single toggle grease lubricant type Single Toggle Jaw Crusher is made from tested MS plates with welded construction duly reinforced.

The swinging lever (pitman) is fabricated out of MS plates with high tensile strength and it is annealed by heat treatment process and then it is precision machined for smooth crushing stroke. the crankshaft is made of forged steel and fitted in heavy duty spherical double roller bearings, which ensures smooth operation. the two bearings are fitted on both sides of the crankshaft and two in swinging lever which are well sealed against possible entry of dust.

The crushing Jaw plates are made of high tensile Manganese Steel. One jaw plate is fixed and other jaw plate is fitted on swinging lever. the setting of jaw plate is carried out by simple adjustment with tie rod at the bottom of the swing jaw stock. the setting is altered and adjustment can be made without stopping the machine.

Heavy duty cast iron flywheels are fitted on both the ends of crank shaft. These flywheels are machined all over, counter weight fitted and balanced to ensure steady crushing force.

The jaw crusher shall be complete with side plates, Toggle plates, Toggle bearings, Toggle block, Waste block and foundation bolts etc.

Technical Data

Model	Size In(mm)	Size In(inch)	Feed Size(mm)	Adjustable Range Output Size(mm)	of Capacity (tone/hour)	Motor Power HP 1440 RPM
REW175X300	175X300	7" X 12"	125	25	8-9	20
REW225X400	225X400	9" X 16"	175	25-75	11-33	25
REW250X500	250X500	10" X 20"	200	50-75	28-42	30
REW300X600	300X600	12" X 24"	250	50-75	33-50	40
REW375X760	375X760	15" X 30"	300	60-125	50-100	50
REW450X760	175X300	18" X 30"	400	75-150	60-125	60

Jaw Crusher



A Jaw crusher uses compressive force for breaking of particles. the mechanical pressure is achieved by the two jaw of the crusher of which one is fixed while the other moves back and forth relative to it, by a cam or pitman mechanism. The inertia required to crush the material is provided by a weighted flywheel that moves a shaft creating an eccentric motion that causes the closing and opening of the gap.

Rashtriya Engineering Works Jaw crusher are engineered for the toughest feed materials. They are proven to be reliable and productive in thousands of real mining, quarrying, recycling and industrial applications. Jaw crusher is the most productive and cost-effective jaw crusher machine for any primary as well as secondary crushing applications. Our jaw crusher were originally developed to crush the hardest ore and rocks so they perform extremely well also in less demanding applications, such as soft rock, recycling and slag. High level of engineering combined with top-of-the-line commercial components, such as spherical roller bearings, ensure the reliability that jaw crusher is known for.

Features Of Low Jaw Crusher

- A steep angle of toggle plate to amplify the stroke resulting in a long and linear stroke at the discharge.
- A high reduction ratio maintaining great productivity.
- High grade austenitic manganese jaw plates.
- Prime quality tested steel plates.
- Expertise in casting designs and quality to provide strength and higher fatigue life.
- A tight nip angle (angle between the fixed and movable jaw).
- Easy maintenance.

Cone Crusher Machine



With genuine goals to preserve and inspire our status in the market, we deliver a recognized assortment of Cone Crusher Machine. This cone crusher is given in different details according to the prerequisites of the customers. Our provided cone crusher is planned utilizing premium quality segments and refined innovation in accordance with industry principles. The given cone crusher is utilized as a part of numerous modern segments like mining, development and science units.

Features

- Captivating design, User-friendly operation, Enhanced service life

Stone Crusher Machine

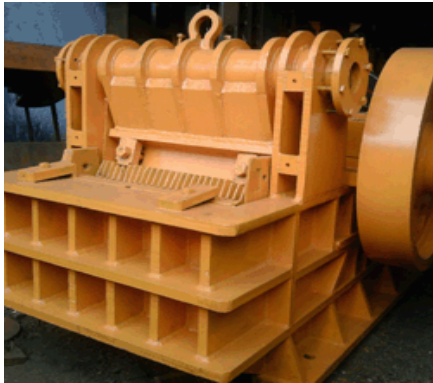


Stone handling essentially incorporates squashing and crushing. The two strategies are utilized to lessen the span of or powder mechanical rocks and minerals by crushers or granulating machines, which are called Stone handling machines and supplies. In the wake of handling, the stone or shake can apply in development, building, expressway and some compound enterprises. Stone Crusher is the broadly utilized as essential stone crusher machine for crushing process. Stone crushers is expected to squash the expansive stone into little particles with a specific end goal to influence stone total or stone to powder.

Features

Robustness, Noiseless operation, High endurance.

Double Toggle Jaw Crusher



REW Double Toggle Jaw Crushers are heavy duty and have Grease lubrication system. These crusher are designed for long life service with minimum maintenance for hard, tough and abrasive material, including Ferro Alloys. The principal of crusher is on the basis of compression on rock against metal. .

jaw crusher is usually used as primary crusher in quarry production lines, mineral ore crushing plants and powder making plants. It can be described as obligato machine in mining, building construction, construction wastes crushing, Hydropower and Water Resource, railway and highway construction and some other industries.

Working Principle

The strip and strip pulley are driven by a motor, and the movable jaw moves up and down via eccentric shaft. The angle between fixed jaw and movable jaw becomes smaller when the movable jaw runs down, then the materials are crushed into pieces. It will become bigger when the movable jaw runs up. The movable jaw board leaves the fixed jaw board under the action of pole and spring , then the end products come out from the crushing cavity.

Standard Features

The body of "REW" Double toggle grease lubricant type Jaw Crusher is made from tested MS plates with welded construction duly reinforced.

The swinging lever (pitman) is fabricated out of MSplates with high tensile strngth and it is annealed by heat treatment process and then it is precision machined for smoth crushing stroke. the crankshaft is made of forged steel and fitted in heavy duty spherical double roller bearings, which ensures smoth operation. the two bearings are fitted on both sides of the crankshaft and two in swinging lever which are well sealed against possible etry of dust.

The crushing Jaw plates are made of high tensile Manganese Steel. One jaw plate is fixed and other jaw plate is fitted on swinging lever. the setting of jaw plate is carried out by simple adjustment with tie rod at the bottom of the swing jaw stock. the setting is altered and adjustment can be made without stopping the machine.

Heavy duty cast iron flywheels are fitted on both the ends of crank shaft. These flywheels are machined all over, counter weight fitted and balanced to ensure steady crushing force.

The jaw crusher shall be complete with side plates, Toggle plates, Toggle bearings, Toggle block, Wage block and foundation bolts etc.

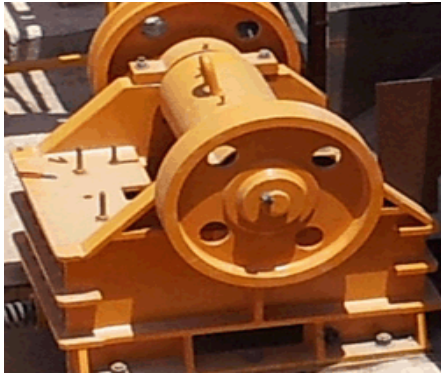
Application

Jaw crusher is widely used in various materials processing of mining & construction industries, such as it is suit for crushing granite, marble, basalt, limestone, quartz, cobble, iron ore, copper ore, and some other mineral & rocks.

Technical Data

Model	Size In(mm)	Size In(inch)	Feed Size(mm)	Adjustable Range Output Size(mm)	Capacity (tone/hour)	Motor Power HP 1440 RPM
REW175X300	175X300	7" X 12"	125	25	8-9	20
REW225X400	225X400	9" X 16"	175	25-75	11-33	25
REW250X500	250X500	10" X 20"	200	50-75	28-42	30
REW300X600	300X600	12" X 24"	250	50-75	33-50	40
REW375X760	375X760	15" X 30"	300	60-125	50-100	50

Jaw Granulator



REW Jaw Granulators are heavy duty and have Grease lubrication system. These crusher are designed for long life service with minimum maintenance for hard, tough and abrasive material, including Ferro Alloys. The principal of crusher is on the basis of compression on rock against metal..

Jaw Granulator is usually used as Secondary crusher in quarry production lines, mineral ore crushing plants and powder making plants. It can be described as obbligato machine in mining, building construction, construction wastes crushing, Hydropower and Water Resource, railway and highway construction and some other industries.

Working Principle

The strip and strip pulley are driven by a motor, and the movable jaw moves up and down via eccentric shaft. The angle between fixed jaw and movable jaw becomes smaller when the movable jaw runs down, then the materials are crushed into pieces. It will become bigger when the movable jaw runs up. The movable jaw board leaves the fixed jaw board under the action of pole and spring , then the end products come out from the crushing cavity.

Standard Features

The body of "REW" Granulators grease lubricant type Crusher is made from tested MS plates with welded construction duly reinforced.

The swinging lever (pitman) is fabricated out of MSplates with high tensile strngth and it is annealed by heat treatment process and then it is precision machined for smoth crushing stroke. the crankshaft is made of forged steel and fitted in heavy duty spherical double roller bearings, which ensures smoth operation. the two bearings are fitted on both sides of the crankshaft and two in swinging lever which are well sealed against possible etry of dust.

The crushing Jaw plates are made of high tensile Manganese Steel. One jaw plate is fixed and other jaw plate is fitted on swinging lever. the setting of jaw plate is carried out by simple adjustment with tie rod at the bottom of the swing jaw stock. the setting is altered and adjustment can be made without stopping the machine.

Heavy duty cast iron flywheels are fitted on both the ends of crank shaft. These flywheels are machined all over, counter weight fitted and balanced to ensure steady crushing force.

The Granulators shall be complete with side plates, Toggle plates, Toggle bearings, Toggle block, Wage block and foundation bolts etc.

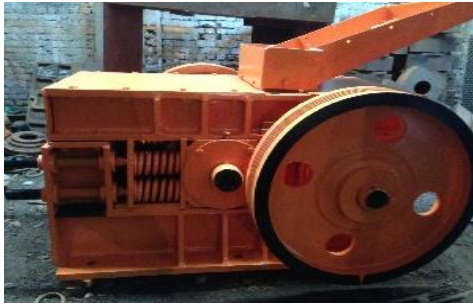
Application

Granulators is widely used in various materials processing of mining & construction industries, such as it is suit for crushing granite, marble, basalt, limestone, quartz, cobble, iron ore, copper ore, and some other mineral & rocks.

Technical Data

Model	Size In(mm)	Size In(inch)		Feed Size(mm)	Adjustable Range Output Size(mm)	Capacity (tone/hour)	Motor Power HP 1440 RPM
REW500X100	500X100	20" 04"	X	75	25-40	12-19	20
REW600X150	600X150	24" 06"	X	100	25-60	14-34	25
REW750X150	750X150	30" 06"	X	100	25-60	18-43	30
REW910X150	910X150	36" 06"	X	100	25-60	21-51	40
REW1070X150	1070X150	42" 09"	X	100	25-60	25-60	50
REW1070X180	1070X180	42" 09"	X	180	40-60	40-60	50
REW1220X150	1220X150						60

Roller Crusher



A double roll crusher works on the principle of compression force. It can easily give a reduction ratio of up to 5:1. The material to be crushed is fed between two manganese rollers (rotating in opposite directions) through a feed chute and discharged at the bottom. Out of the two rollers; one is fixed whereas the other is movable to adjust the gap setting. The roller shells are made of highly wear-resistant cast Manganese alloys and are properly machined to ensure longer bearing life and optimum operation.

Features Of New Roll Crusher

- Outstanding Precision
- Sturdy Design & Construction
- Finely Machined Manganese rollers
- Easy Dismantling and assembly of parts
- Best quality spherical roller Bearing/Bush Bearings
- Accurately machined bearing housing and excellent after sales service

Standard Features

The main body frame is in box construction of welded steel plates and casted duly reinforced by heavy horizontal / vertical ribs at all important points as per design requirements to withstand and impact loads.

The shaft is of special steel and is carried in self-aligning cylindrical double roller bearings of adequate size and capacity. fitted in housing with sealed labyrinths to prevent possible entry of dust. Both grooved wheels are of cast iron, properly machined statically balanced for "V" Belt-Drive.

The movable and fixed rollers are interconnected by the coupling, thus obviating the frequent replacement of the belts.

Low energy consumption.

Application

Roller crusher is widely used as secondary crusher in various materials processing of mining & construction industries, such as it is suit for crushing granite, marble, basalt, limestone, quartz, cobble, iron ore, copper ore, and some other mineral & rocks.

Technical Data

Mode	Size In(mm)		Size In(inch)	Feed Size(mm)	RPM of the Roller	Capacity (tone/hour)	HP / 960 RPM
REW400X600	400	X	16" X 24"	50	100	12	25
	600						
REW400X750	400	X	16" X 30"	50	100	16	30
	750						
REW400X800	400	X	16" X 32"	50	95	20	40
	800						
REW400X850	400	X	16" X 34"	50	95	24	50
	850						
REW400X900	400	X	16" X 36"	75	90	28	50
	900						
REW400X950	400	X	16" X 38"	75	85	32	60
	950						
REW560X850	560	X	22" X 34"	75	80	36	60
	850						
REW560X950	560	X	22" X 38"	75	80	40	80
	950						
REW560X1000	560	X	22" X 40"	75	70	50	80
	1000						

Sizes

- Upto 1200 x 750 mm (48" x 30")

Rotopactor



Lakshmi Rotopactor machine is the ultimate weapon against flakiness. It is basically a rotary crusher consisting of an impeller (Rotor) rotating at 1000-1200 r.p.m. inside a steel fabricated body lined with high grade austenitic manganese steel breaker liners. It is used in the secondary or tertiary stage of a stone crushing plant.

The stone to be crushed is fed directly into the centre of the rotor, the high rotating speed of which throws the material outwards towards the breaker liners for further impact crushing. The result of the process is production of absolutely cubically crushed stone, which finds great use in the construction sector.

Features Of Low Rotopactor

- High throughput capacity
- Cubicle product with minimal fines
- A variety of manganese tooth profiles available
- Adjustable for change in product sizing

Sizes

800 mm & 1000 mm size can be customized as per your need

Application

Rotopactor is widely used in various materials processing of mining & construction industries, such as it is suit for crushing granite, marble, basalt, limestone, quartz, cobble, iron ore, copper ore, and some other mineral & rocks.

Working Principle

The basic principle of crushing of Rotopator crusher is imparting the energy to the particle by centrifugal force and energized particle is stopped suddenly on stone lining, the energy in the particle blasts the particle and breaks it in small pieces. The shape of crushed particles is more cubical. For finer crushing the particle must be thrown at very high velocity. Generally the velocity of particles is 12000 ft per min to 20000 ft per min. When particles at such a high velocity slides over any metal parts it will wear out very fast. So it is design criteria that the parts coming in contact with this stream of stones coming out from rotor must be have sufficient wear resist quality. Abrasion and wear coefficient of the part must be high to with stand the grinding action due to the flow of stream of the particles.

Technical Data

Machine Model	Feed Size(mm)	Capacity (tone/hour)	Speed Approx.	RPM	Power Approx	HP
REW-800	60	50	1000-1300		75	
REW-1000	80	80	1000-1300		90	