

# Jaw crusher

## Introduction to the jaw crusher

**Jaw crusher** is a kind of excellent mine crushing machine and can crush materials with various size to small pieces. And the [jaw crusher](#) can be used with the mining and sand-making equipment, and can also independently be used. And the **jaw crusher** can be used to produce the road bed stone, railway slags and the construction aggregates. And the **jaw crusher** can be divided into two kinds: the coarse and fine jaw crusher, which are the common name of PE series jaw crusher and the PEX series jaw crusher.



## Technical features of jaw crusher

**Jaw crusher** features simple structure, convenient maintenance; stable performance, low operation cost and large crushing ratio.

And the **jaw crusher** adopts the high tensile Mn-steel and can be cast by one-time with the advantages of anti-abrasion, anti-pressure and long service life. And now the [jaw crusher](#) can be mainly applied to crush the large, medium and small size stones and the corresponding materials.

## Application of jaw crusher

**Jaw crusher** are mainly used to proceed the medium particles crushing of various ores and large size materials with the crushing pressure of less than 320Mpa. And [Jaw Crusher](#) is widely used in mining, metallurgy, construction, highway, railroad, conservancy and chemistry industries, etc.

## Working principle of jaw crusher

This working manner of **jaw crusher** is hyperbolic extrusion. And its working principle is as follows. 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. The angle

between the toggle plate and jawstock will become large as the up of the jawstock. This will push the moveable jaw plate towards the fixed jaw plate, which can realize the multi-crushing of the materials. The angle between the toggle plate and jawstock will become small as the down of the jawstock. The moveable jaw plate will leave the jaw plate at the pressure of the tension rod and spring, meanwhile, the final products will be discharged from the discharging opening. Along with the continuous rotating, the crusher will complete the periodic crushing and discharging movement, which can realize the batch process.

## Main parameters of the jaw crusher

Model	Feed inlet size(mm)	Max inlet size(mm)	Capacity (t/h)	Electric power(kw)	Overall size LxWxH(mm)	Weight (t)
PE150 × 250	150 × 250	125	1-5	5.5	875 × 758 × 850	0.81
PE250 × 400	400 × 250	210	5-20	15	1450 × 1315 × 1296	2.8
PE400 × 600	600 × 400	340	16-65	30	1565 × 1732 × 1586	6.5
PE500 × 750	750 × 500	425	45-100	55	1890 × 1916 × 1870	10.1
PE600 × 900	900 × 600	500	50-120	55-75	2305 × 1840 × 2298	15.5
PE750 × 1060	1060 × 750	630	52-180	110	2450 × 2472 × 2840	28
PE900 × 1200	900 × 1200	750	140-260	135	3200x3050x2950	54.5
PE1000 × 1200	1000 × 1200	850	315-342	135	3335x3182x3025	57
PE1200 × 1500	1200x1500	1020	400-800	160	4200x3750x3820	100.9
PEX250 × 1000	1000 × 250	210	16-52	30-37	1530x1992x1380	6.5
PEX250 × 1200	1200 × 250	210	20-60	37	1900x2192x1430	7.7

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