



SBM Hammer Crusher



What we do today is to ensure the future of our group with youth and spirit forever and ever.

- SBM

Hammer Crusher



Hammer Crusher Overview

Hammer crushers crush materials by the collision between the hammer rotating at high-speed and materials. They are used to crush mid-hardness and weak corrosive materials, whose compressive strength is under 100 Mpa, and water ratio is less than 15%. They are suitable for coal, salt, chalk, plaster, tile, limestone, etc. The hammer crushers can be used not only in the crushing and sand making production lines, but also the mineral processing production line, taking the place of cone crushers.

Applications

The hammer crushers are designed to crush mid-hardness and brittle materials in mining, cement making, coal, metallurgical industry, building materials, road building, fuel & chemical processing, etc. Customers can adjust the gap between the bar grates to change the size of end products according to their need.

Main Features and Benefits

1. Simple structure
2. High crushing ratio
3. High efficiency
4. Suitable for dry and wet crushing

Technical Data

Model	Input size (mm)	Output size (mm)	Capacity(t/h)	Power(Kw)	Weight(t)
PC 400×300	<100	<15	5-10	11	0.8
PC 600×400	<220	<15	10-25	22	1.5
PC 800×600	<350	<15	20-50	55	4.7
PC 800×1000	<400	<15	20-75	110	7.9

How Hammer Crusher Works



The main working part of hammer crusher is rotors with hammer. The rotors consist of main shaft, disk, pin shaft and hammers. The motor drives the rotors to rotate quickly in the crushing cavity. Raw materials enter the crusher through the feed opening and are stricken, impacted, cut and ground by the high-speed hammer to small size. There is a screening plate under the rotor, so that materials with size smaller than the screen mesh will be screened out and others are left to be further hammered and ground until reach the standard size. The size of the final product can be adjusted by changing the screening plate. The gap between the rotors and the screening plate can also be adjusted according to different requirement.

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