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PCH Series Ring Hammer Crusher



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Introduction:

PCH series ring hammer crusher is to crush the material by the high-speed rotating hammers. This ring hammer crusher has the characteristics of simple structure, large crushing ratio, and high production efficiency. It can be used to crush the dry or wet materials. It is used to crush the mid-hard and low-abrasive materials, whose compressive strength is not more than 100MPa, and whose moisture percentage is not more than 15%. The common materials are coal, salt, chalk, gypsum, limestone, and so on. It is also used to crush the wood pieces, paper, and asbestos cement waste, which are fiber-structural, elastic and strong tenacity. Ring hammer crusher is not only used in aggregate or sand production line, but also in mineral selection process instead of cone crusher.

Purpose:

PCH series ring hammer crusher is a machine which is utilized to crush the brittle materials, like coal, coal gangue, coke, slag, red sandstone, shale, loose limestone, etc.

The compressive strength of the material does not surpass 100MPa, and its moisture content does not surpass 15%. The discharge opening can be adjusted according to the customer's requirements.

Working principle:

PCH series ring hammer crusher is an impact rotor-type crusher with hammer ring. The materials are impacted and crushed by the high-speed rotating hammers after entering the chamber. The crushed materials get the impetus energy from the hammers, and then they will impact on the crushing plate. After the secondary crushing process, the materials fall on the sieve plate. Then the materials are crushed again after being sheared, extruded, and grinded, and then drop out. Unbroken matters enter the metal collector, which are cleaned periodically.

Structural composition:

The main part of ring hammer crusher is the rotor with hammers. The rotor is made up of main shaft, round disc, pin shaft and hammer.

Main technical parameters:

Model	Rotor length(mm)	Max feed size(mm)	Discharge rang(mm)	Output (t/h)	Motor(KW)
PCHII-0404	400×400	80	≤15	15 ~ 25	11
PCHII-0606	600×600	100	≤15	35 ~ 55	30
PCHII-0808	800×800	120	≤15	60 ~ 80	55
PCHII-1010	1000×1000	140	≤15	100 ~ 130	110
PCHII-1016	1000×1600	140	≤15	200 ~ 250	220
PCHII-1216	1200×1600	160	≤15	300 ~ 350	355
PCHII-1221	1200×2100	160	≤15	400 ~ 450	450

PCH II series ring hammer crusher is either used to crush low-quality coal, coal gauge, or to crush mid-hard ores, like pyrites, rock phosphate, magnetite, limestone, river pebble and so on.

For further details, please visit our website: www.yfcrusher.com .

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