

European Version of the Coarse Hammer Crusher

欧版锤式破碎机》》

欧版锤式破碎机广泛应用于冶金、矿山、化工、水泥、煤矸石、建筑、制砂、耐火材料及陶瓷等工矿企业中，从事物料中碎和细碎作业。它主要适宜破碎抗压强度不高于320 MPa(兆帕)的各种矿石。

European version of the coarse hammer crusher, engaging in crushing various rocks and stones with comprehensive strength not higher than 320 MPa into fine and micro fine powders, is widely used in metallurgy, mining, chemical, cement, coal, sand-making, coal gangue, construction, refractory materials and ceramic industries.



优点：

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| ①生产能力高、电耗低; | ①High manufacturing capacity and low power consumption; |
| ②破碎比大、产品粒度均匀; | ②Uniform particle size with high crushing ratio; |
| ③机械结构简单、紧凑轻便; | ③Simple structure; |
| ④投资费用少、管理方便。 | ④Easy operation and low investment. |

Working Principle

工作原理》》

锤式破碎机主要由机壳、转子、承击铁和筛条等部件组成。机壳分上下两部分，由钢板切割后焊接而成。机壳内部有高锰钢衬板，磨损后可以更换。其主轴上安装有数组分布规则的板锤，与转盘及穿锤轴组成转子。主机通过电机、三角皮带带动主轴，从而使转子旋转。大块物料从进料口进入破碎腔之后，并被高速运动的板锤击碎，并被猛烈抛向承击铁，从而使之再次破碎。破碎合格的物料从底部筛条间的缝隙排出，不合格的则留在破碎腔内，被锤子反复打击，直至能够排出。为避免堵塞，被粉碎的物料的含水量一般不超过20%。





Hammer crusher mainly consists of frame, rotor, support iron and grate bars. The frame is divided into two parts: upper part and lower part, which are welded by steel plates after being cut. Liners made of high manganese steels within the frame can be replaced after being worn out. The rotors consist of turnplates, pin shafts, and hammers which are grouped regularly in the main shaft. The main unit drives the main shaft through the motor and triangle belts, which, in turn, rotates the rollers. Large materials entering the crusher through the feed inlet are firstly crushed by the high-speed hammers, and then thrown fiercely to the support iron for further crushing. Qualified materials crushed will be screened out and exit from the gap of the grate bars while the unqualified will be left in the crushing cavity to be further hammered and ground until reach the standard size. The size of the final product can be adjusted by changing the grate bars. The gap between the rotors and the grate bars can also be adjusted according to different requirement. To avoid the plugging of the crusher, the proportion of water for the crushing materials is no more than 20%.

Performance and Parameter

性能及参数

型号 Type	PC4008-75	PC4012-90	PC4015-132
转子直径 /mm Rotor Diameter	750	900	1150
转子宽度/ mm Rotor Width	800	1200	1500
转速 r/min Rotor Speed	800-1000	800-1000	550-800
最大给料粒度/mm Max Feeding Size	<70	<90	<100
出料粒度/mm Finished Particle Size	≤3	≤3	≤3
处理能力 t/h Capacity	35-50	50-70	70-100
功率/Kw Power	55-75	75-90	110-132
板锤数量 /个 Hammer Number	18	16	32
外形L*W*H/mm Layout Size	2310*1665*1610	2840*2100*2020	3720*2650*2540