

HPC series cone crusher

Introduction

The new series of HPC cone crusher with high-efficiency and hydraulic pressure equipment adopts three kinds of protecting equipments, such as secure oilcan, locking oilcan and hydraulic driving oilcan. They not only protect the machinery, but also could deal with troubles without splitting the parts. The equipment can also adjust the size of final material, with high reliable and convenient operation.



And HPC series cone crusher can be used to crush various ores and rocks with the protodyakonov scale of hardness range of 5~16, such as the Iron ore, nonferrous metal ores, granite, limestone, quartzite, sandstone, pebble ,etc. which have found their extensive application in the field of Metal and nonmetal minerals, cement, gravel Metallurgy, and so on.

And HPC series cone crusher is the latest products to replace the spring cone crusher and the traditional hydraulic pressure cone crusher in the mining and construction industry .So HPC series cone crusher is also the most ideal

equipment for the large-size stone factory and the mine crushing.

Products advantages of HPC series cone crusher



1 . HPC series cone crusher is adjusted by hydraulic device and lubricated by the dilute oil. And with locking sleeve assembly, HPC series cone crusher can overcome the trouble that the oil and water will be mixed together.

2. HPC series cone crusher can just only change the fixed and

flexible cone plate and the crushing cavity can be changed from the super coarse to the super thin cavity.

3. The concave and mantle are made by high manganese steel. Owing to the change of the concave's style and the protect of the crushed products, the abrasion of the machine is reduced greatly and can last longer compared with the old cone crusher.

Layer crushing principle and the special crushing cavity and the matching rotor speed have replaced the traditional single particle crushing and realized the selective crushing to the materials, which have prominently improved the fineness and cubic ratio, and rescued the ratio of needle shape materials.

HPC series cone crusher provides a better production ability, better particles shape, and is also easy to control with the maximal reliability and flexibility, which can create more values for the users.

Main structures of HPC series cone crusher

The main structure of the HPC series cone crusher are including frame assembly ,eccentric bearing bushing ,counter shaft, moveable cone ,fixed cone and so on. And the auxiliary component is including the electric system, lubrication system, and the hydraulic system and so on.

Working principle of HPC series cone crusher

The crushing process of the HPC series cone crusher is completed between the concaves and mantle of the eccentric movement. The motor drives a horizontal axle by the triangle belt and belt pulley. While the horizontal axle will drive the eccentric bearing brushing by a pair of bevel gear. The axle of moveable bevel swings with the force of eccentric shaft shell, which makes it move in a regulated way between the concaves and the mantle. And then the materials will be continuously pressed and crooked and crushed. At last, the final products will be discharged from the discharging opening.

HPC series cone crusher technical data:

Model	Cavity (coarse/fine)	Discharge setting min.(mm)	Feed opening(mm)	Capacity(t/h)	Power(kw)	Weight(t)	Movable cone diameter (mm)
HPC-160	C	13	150	120-240	160	13	950
	F	6	76	55-180			
HPC-220	C	13	225	150-430	220	18	1160
	F	6	86	90-260			
HPC-315	C	13	290	190-610	315	26	1400
	F	6	100	108-320			
HPC-400	C	13	320	230-700	400	33	1500

If there is change of the above specification, it subjects to the newest products' specifications.

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