

Spring Cone Crusher

Cone crusher is suitable to crush various kinds of ores and rocks of medium or above medium hardness. Compare with jaw crusher, cone crusher is of stable structure, high efficiency, easy adjustment, economic operation, etc. The spring safety system of crusher acts as an overloading protection system that allows metal to pass through the crushing chamber so as not to damage the cone crusher. The safety system uses dry oil and water as two kinds of sealed formation to make plaster powder and engine oil separate to make sure reliable performance. The type of crushing chamber depends upon size of feeding and fineness of crushed product. The standard type (PYB) is applied to medium crushing, the medium type is applied to medium or fine crushing and the short head type is applied to fine crushing.



Working Principle of Cone Crusher:

Cone crusher crushes materials by the working surface between the movable cone and fixed cone. So it is more advanced and efficiency efficient than jaw crusher. The movable cone is supported by spherical bearing and fixed on an hanging erect shaft which is set in the eccentric sleeve, and the sleeve is set on the stopping and pushing bearing. The movable cone and erect shaft are driven by the eccentric shaft sleeve together. The eccentric shaft sleeve is driven by horizontal shaft and fimbriated gear, and the wheel of the conveyor belt is driven by motor through v-belts. The lower part of vertical shaft is installed in the eccentric sleeve. When the eccentric sleeve rotates, there is a conical surface lined out by the shaft. When the movable cone comes near the fixed cone, rocks are grinded into pieces, when the movable cone leaves, grinded materials is discharged from the discharge hole. The fixed cone can be ascended or descended by adjusting setting to adjust the width of discharge hole, consequently the output size is determined adjusted.

Technical Data:

Type	Max. input (mm)	Adjusting range of output (mm)	Capacity (t/h)	Motor power (kW)	weight (t)	Overall dimensions (L×W×H)(mm)	
PYB	600	65	12-25	30	5	2800×1300×1700	
PYD		35	3-15		5-23		5.5
PYB	900	115	15-50	55	10.2	3050×1640×2350	
PYZ		60	5-20		20-65		10.2
PYD		40	3-13		15-50		10.3
PYB	1200	145	20-50	110	24.7	4152×2300×2980	
PYZ		100	8-26		50-150		25
PYD		50	3-15		18-105		25.6
PYB	1750	215	25-60	160	50.3	4870×3800×4192	
PYZ		185	10-30		115-320		50.3
PYD		85	5-15		75-230		50.4
PYB	2200	300	30-60	260-280	80	7705×3430×4852	
PYZ		230	10-30		200-580		80
PYD		100	5-15		120-340		81.4

Notice: Any change of Cone Crusher technical data shall not be advised additionally.

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