



# Spring Cone Crusher

## Brief Introduction:

Spring Cone crusher is suitable to crush various kinds of ores and rocks of medium or above medium hardness. The spring cone 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 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.



## Highlights:

- (1) High efficiency; high crushing capacity;
- (2) Low operation and maintenance cost, easy to adjust;
- (3) As spare parts selection and structural design is reasonable, the lifespan will be longer;
- (4) Reducing downtime;
- (5) Different types of crushing chambers to satisfy different customers' needs.



## Working Principle:

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 a 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 imbricate 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	12-25	30	5	2800×1300×1700
PYD 600	35	3-15	5-23		5.5	
PYB 900	115	15-50	50-90	55	10.2	3050×1640×2350
PYZ 900	60	5-20	20-65		10.2	
PYD 900	40	3-13	15-50		10.3	
PYB 1200	145	20-50	110-200	110	24.7	4152×2300×2980
PYZ 1200	100	8-26	50-150		25	
PYD 1200	50	3-15	18-105		25.6	
PYB 1750	215	25-60	280-480	160	50.3	4870×3800×4192
PYZ 1750	185	10-30	115-320		50.3	
PYD 1750	85	5-15	75-230		50.4	
PYB 2200	300	30-60	590-1000	260-280	80	7705×3430×4852
PYZ 2200	230	10-30	200-580		80	
PYD 2200	100	5-15	120-340		81.4	



## Contact Us:

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