

Spring Cone Crusher

Introduction

With reliable structure, high efficient production and convenient adjustment , this kind of [Spring Cone Crusher](#) is suitable for crushing various ores and rocks with over the mid hardness .With the hydraulic variety-cleaning system , Spring Cone Crusher has reduced the machine's off time and our customers can choose the specific cavities according to the various requirements.



Technical features of Spring Cone Crusher

1. With high efficient production, the flexible cone have made continuous Rotating movement .And the crushing and unloading process will proceed alternately on the working surface.
2. The materials between the two cones will receive the crooking, bending, and cutting, which features easy crushing and low energy consumption.
3. Even particle size and the final products with cubic shape.
4. The fixed and flexible cone are both right positioned .When the flexible

cone swings ,there has a parallel belt with the same space between the flexible and fixed cone nearby the discharge opening of the crushing cavity, which can make the particle size evenly.

5. Adoption two kinds of seal manner with oil and water, it can prevent the dust and impurities away from the machine to ensure the cleanness of the lubrication, which can extend the service life of the sliding bearing and the trust ball bearing to ensure the reliable function.

Structure Features of Spring Cone Crusher



The spring cone crusher are consisted of frame, counter, eccentric housing ,lubrication system, flexible and fixed cone ,controlling system and other components .And the flexible cone is fixed on a hanging vertical axis ,which have been positioned in the eccentric housing of the horizontal axis .

Working principle of Spring Cone Crusher

During the operation of the spring cone crusher ,the motor will drive the eccentric housing by a pair of bevel gear and horizontal axis ,which will force the flexible cone to make the rotating movement along the inner surface of the

flexible cone .when the flexible cone close the fixed cone ,the materials will receive the crooking, clashing, and bending to be crushed and form the crushing cavity .When the flexible cone far away the fixed cone ,the crushed materials will be unloaded from the cone dock by the effect of dead weight .By the continuous work, the ores will be crushed receive the crooking, bending and then be crushed.

Spring cone crusher technical data:

Model	weight (T)	power	diameter of cone crusher at big end(mm)	width of feed opening (mm)	max feeding size	adjustment range of discharge opening	capacity (t/h)	
PYB	600	5	30	Φ600	75	65	12-25	20-40
PYD				Φ600	40	35	2-13	12-23
PYB	900	11.2	55	Φ900	135	115	15-50	60-105
PYZ				Φ900	70	60	5-20	50-90
PYD				Φ900	50	50	3-13	15-50
PYB	1200	35	130	Φ1200	170	145	20-50	110-168
PYZ				Φ1200	115	100	8-25	42-135
PYD				Φ1200	60	50	3-15	18-105
PYB	1750	50.2	160	Φ1700	250	215	10-30	280-480
PYZ				Φ1700	215	185	10-30	115-320
PYD				Φ1700	100	85	5-15	75-230
PYB	2200	80	260	Φ2200	350	300	30-60	590-1000
PYZ				Φ2200	275	230	10-30	200-580
PYD				Φ2200	130	100	5-15	125-350

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

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