

Spring cone crusher

Introduction to the Spring cone crusher

The **spring cone crusher** is the most widely crushing machinery in the world . With the optimized improvement , the [spring cone crusher](#) features more reasonable and advanced ,which have appeared the excellent performance in the manufacturing ,installation, and maintenance and so on. And with the simple operation, safety, and high-efficiency, the [spring cone crusher](#) we company produced have been specially used in the mining and crushing working. And we look forward to your consultation !



Technical features of Spring cone crusher

1. The **spring cone crusher** have the large crushing force and can provide larger production capability.
2. Two kinds of crushing cavity structure can adapt to the wide application of requirements of the particle size .
3. The **spring** secure system can provide the secure and efficient over-loaded protection
4. The **spring cone crusher** have the perfect lubrication system.

Application of the Spring cone crusher

The **spring cone crusher** can widely be applied to crush the hard and mid-hard ores and rocks in the field of metallurgy , building, road , chemicals ,and construction industrials and so on. And **spring cone crusher** can also be used to crush the Iron ore, limestone, quartz, granite, cement guessed, and so on.

Working principle of Spring cone crusher

The main structure of **spring cone crusher** is including the frame, transmitting, hollow eccentric shaft, bowl bear, crushing cone, set adjustment , adjustment housing ,spring and hydraulic drill used to adjust the discharge opening ,etc. .During the operation of **spring cone crusher** , the motor drives the eccentric shaft shell to turn around through a horizontal axle and a pair of bevel gear. The axle of crushing cone swings with the force of eccentric shaft shell so that the surface of the crushing wall is closely to the roll mortar wall from time to time. In this way, the ores and rocks will be pressed and crooked and finally crushed.

Main technical parameters of Spring cone crusher

Model	weight (T)		power	diameter of cone crusher at end(mm)	width of feed big opening(mm)	max feeding size	adjustment range discharge opening	of 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	260 280	Φ2200	350	300	30-60	590-1000
PYZ				Φ2200	275	230	10-30	200-580
PYD				Φ2200	130	100	5-15	125-350

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