



Spring Cone Crusher

The Spring Cone crusher adopts the dry oil and water seal types ,which prevents the dust from entering the machine body .This two kinds of sealing ensures the cleaning of the lubrication boiled oil and extends the service life of the slide bearing,which ensures that the machine can obtain a smooth function.This kind of spring cone crusher is suitable for crushing the various ores and rocks above mid-hardness,such as Iron ore, copper ore, limestone, quartz, granite, basalt, diabase,etc. And spring cone crusher is widely applied in the metallurgical ,construction ,road building ,chemical and phosphatic industry . The crushing cavity type is decided by the ores' usage ,so the standard is suitable for the mid crushing ;the mid cone crusher is suitable for fine crushing ;while the short head is suitable for the super thin crushing.

Main Structures of spring cone crusher

Spring Cone crusher's main structure 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.

Working Principle of spring cone crusher

The flexible cone and fixed cone are all right positioned and when the flexible cone swing ,there has a section of parallel belt with the same space between them ,which can make the final products become evenly. And the feed opening is small so that it can just process the primary crushing materials .During the operation, 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.

Structure Features of [spring cone crusher](#)

- 1 High productivity; high quality
- 2 Less machine stop time
- 3 Easy maintenance and low cost
- 4 Unique crushing ability in primary, secondary and tertiary crushing.

Technical Parameter of [spring cone crusher](#)

Type	Outside diameter Of crushing cone (mm)	Max feed size (mm)	The adjusting range of discharger (mm)	Crushing capacity (t/h)	Electric motor power (kw)	Speed of Eccentric shaft (r/min)	weight (T)	
PYB	600	600	65	12-15	40	30	356	
PYD			35	3-13	12-23			5.5
PYB	900	900	115	15-30	50-90	55	333	
PYZ			60	5-20	30-65			11.2
PYD			50	3-13	15-50			11.3
PYB	1200	1200	145	20-50	110-168	110	300	
PYZ			100	8-25	42-135			25
PYD			50	3-15	18-105			25.3
PYB	1750	1750	215	25-50	280-480	160	245	
PYZ			185	10-30	115-320			50.3
PYD			85	5-13	75-230			50.2
PYB	2200	2200	300	30-60	59-1000	280-260	220	
PYZ			230	10-30	200-580			80
PYD			100	5-15	120-340			81.4

Products Advantages of [spring cone crusher](#)

The Spring cone crusher produced by Shanghai Shibang Group definitely occupy the absolute position in China's machinery area! With simple structure, convenient and reliable operation, convenient maintenance, low operation cost, high reliability, it has been exported abroad and win its own international welcome and popularity.