

## Spring Cone Crusher - Cone Crusher



### Spring Cone Crusher

#### **Application:**

Spring cone crusher is widely applied in metallurgical, construction, road building, chemical and phosphatic industry. Spring cone crusher is suitable for hard and mid-hard rocks and ores, such as iron ores, copper ores, limestone, quartz, granite, gritstone, etc. Type of the crushing cavity is decided by the application of the ores. Standard type is for PYZ (secondary crush); middle type is for PYD (tertiary crush); short-head type is for primary and secondary crush.

#### **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

#### **Structure & Operation Principles:**

Spring cone crusher consist of frame, transmission device, hollow eccentric shaft, bowl-shaped bearing, crushing cone, springs and hydraulic pressure station for adjusting discharge opening.

During 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 close to the roll mortar wall from time to time. In this way, the ores and rocks will be pressed and crooked and crushed.

#### **Technique Parameter of Spring Cone Crusher :**

Model	weight (T)	power	diameter of cone crusher at big end(mm)	width of feed opening	max feeding size	adjustment range of discharge	capacity (t/h)
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				(mm)		opening		
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

**Note:** This specification is just for reference, any changes are subject to the products.