Spring Cone Crusher

Advantages and characteristics

- *Reliable Structure*
- *Stable Operation*
- *High Efficiency*
- *Easy Adjustment*
- *Uniform Product Size*

Spring cone crusher

It is the main equipment used for medium and fine crushing of ores or rocks with different hardness in such industries as metallurgy, chemical industry, building materials, water and electricity and road paving, which is characterized by reliable structure, stable running, high production efficiency, convenient adjustment and uniform granularity of products.

Our company has a history for manufacturing as long as almost 20 years, the cone crushers are main products of our company. Such four specifications are available for ordinary cone crushers as 900, 1200, 1750 and 2200. Three kinds of cavity crushing type of cavity, standard and short-end types are available for each specification respectively, which can meet the medium and fine crushing demands in different ore crushing flow of different users.

Composition of spring cone crusher:It is mainly composed of drive, supporting sleeve, adjustment cover, eccentric bushing, bowl-shaped bearing frame, breaking cone, feeding support parts, hydraulic and lubricating system and spring parts.

Operating principle of crusher:When the crusher is operated, the rotary motion of motors is transmitted to the eccentric bushing through couplers, transmission shafts and cone gears. The breaking cone parts perform the rotary motion around a fixed point under the forced movement of eccentric bushing. The crushing wall from breaking cone sometimes approaches while leaves in other times the wall surface of rolled mortar fixed on the adjustment cover to enable the ores to crush under constant impact, extrusion and bending inside the crushing cavity. The crushed ores are discharged out of the crushing cavity from ore discharging mouth relying on dead weight.

Spring Cone Crusher Series Parameter List

Model & specification	Bottom size of breaking cone	Size of feed port mm	Maximum size mm	Discharge outlet adjustment range mm	Production capacity t/h	Main motor power kw	Number of spring sets	Total pressureof spring Single-set pressure kn/kn
PYT-B0913	900	135	115	15-50	50-90	75	10	700/70
PYT-Z0907	900	70	60	5-20	20-65	75	10	700/70
PYT-D0905	900	50	40	3-13	15-50	75	10	700/70
PYT-B1217	1200	170	145	20-50	110-168	110/130	10	1500/150
PYT-Z1211	1200	115	100	8-25	42-135	110/130	10	1500/150
PYT-D1206	1200	60	50	3-15	18-105	110/130	10	1500/150
PYT-B1725	1750	250	215	25-60	280-480	155/180	12	3000/250
PYT-Z1721	1750	215	185	10-30	120-350	155/180	12	3000/250
PYT-D1710	1750	100	85	5-15	75-230	155/180	12	3000/250
PYT-B2235	2200	350	300	30-60	590-1000	280/330	16	4000/250
PYT-Z2227	2200	275	230	10-30	300-580	280/330	16	4000/250
PYT-D2213	2200	130	100	5-15	125-350	280/330	16	4000/250

Note：The above technical parameters is only for reference.The actual value shall depend on practical material type and production conditions.