



CS Series Cone Crusher

CS series cone crushers are the most advanced cone crushers in the world. They are widely used in mining, metallurgy, building materials, chemical and hydropower industries. They provide unparalleled crushing performance in medium, fine and ultra-fine crushing operations. It has the characteristics of high crushing efficiency, large crushing ratio, high production capacity, uniform products size and good shape, stable work and convenient maintenance.

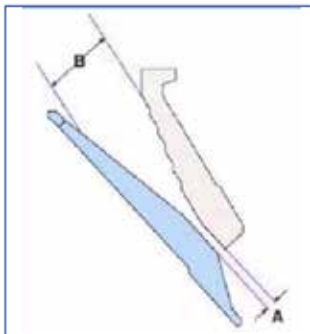


Advantages

- High efficiency and high productivity. Fixed main shaft, high operating efficiency, perfect combination of high speed and large eccentric distance, laminated crushing, makes the output and qualification rate of CS series cone crushers far higher than other types.
- Intelligent control system. The PLC control system for CS cone crusher can realize local and remote control and realize the health monitoring of the operation of the crusher.
- Easy and fast maintenance. It has hydraulic motor to adjust the discharge port, remove and install the fixed cone, which greatly shortens the maintenance time of the crusher. It is more convenient to replace the liner and reduce the labor intensity of inspection workers.
- The stable and reliable over-iron protection system. It is realized by the hydraulic system and the release cylinders distributed around the crusher to protect the crusher.
- The elastic vibration damping device is used to replace the traditional rigid connection, which can effectively absorb the impact of the crusher on the foundation, improve the life of the crusher and reduce the manufacturing cost of the foundation.

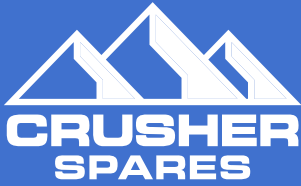


Crusher Cavity Selection



1 "B" is the corresponding tight side feed port when the crusher is adjusted to the minimum discharge port "A";
 2 "C" is the corresponding openedge feeding port when the crusher is adjusted to the minimum discharge port "A";
 3. "A" refers to the minimum discharge opening that the crusher can adjust during stable operation, which varies according to the nature of the crushed ore and operating conditions.
 4. Maximum feed size vary from 80 to 100% of "B" depending on machine size and material.

Crusher model	Cavity	Standard(St)			Short head(Sh)		
		B1(mm)	C1(mm)	A1(mm)	A2(mm)	B2(mm)	A2(mm)
CS100	Extra Fine				20	50	6
	Fine				50	100	9
	Medium				70	97	9
	Coarse				100	125	13
	Extra Coarse				150	175	21
CS200	Fine	95	128	14	25	66	6
	Medium	125	156	17	54	70	6
	Coarse	185	208	19	76	114	10
	Extra Coarse						
CS300	Fine	107	148	13	25	72	6
	Medium	150	190	16	53	100	8
	Coarse	211	240	20	77	123	10
	Extra Coarse	233	267	25			
CS400	Fine	111	164	14	40	104	6
	Medium	198	245	20	52	107	8
	Coarse	252	292	25	92	143	10
	Extra Coarse	299	333	30			
CS500	Fine	133	182	16	40	105	8
	Medium	204	246	20	57	116	10
	Coarse	286	322	25	95	152	13
	Extra Coarse	335	372	30			
CS800	Fine	219	264	16	33	98	5
	Medium	267	308	25	92	150	10
	Coarse	297	340	32	155	210	13
	Extra Coarse	353	357	32			



Technical Data Sheet

Crusher model	Weight (t)	Power (kW)	Pinion speed (rpm)	Head diameter (mm)	Discharge port diameter (mm)
CS100	6.5	90	750-1200	735	970
CS200	12.2	160	750-1200	940	1240
CS300	18.1	250	700-1200	1120	1470
CS400	25.6	315	700-1000	1320	1726
CS500	37	375	700-950	1520	2040
CS800	74	600	750-950	1780	2420

Crusher model	Crusher capacity (t/h) corresponds to CSS (mm)											
	6	8	10	13	16	19	22	25	32	38	45	51
CS100	45-55	50-60	55-70	60-80	70-90	75-95	80-100	85-110	100-140			
CS200			90-120	120-150	140-180	150-190	160-200	170-220	190-235	210-250		
CS300			115-140	150-185	180-220	200-240	220-260	230-280	250-320	300-380	350-440	
CS400			140-175	185-230	225-280	255-320	275-345	295-370	325-430	360-490	410-560	465-630
CS500			175-220	230-290	280-350	320-400	345-430	365-455	405-535	445-605	510-700	580-790
CS800			280-335	325-425	385-500	435-545	470-600	495-730	545-800	600-950	690-1050	785-1200

Note: The data in the table applies to the material bulk density of 1.6t/m³, the feed does not contain materials with smaller than the size of the discharge port, and the capacity under the condition of open circuit operation. The performance of the crusher depends not only on the crusher itself, but also on the crushed materials and the auxiliary equipment such as feeders, screens, belt conveyors and silos in the entire production line.

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