

# Symons Cone Crusher





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According to customers' requirement, Kefid Symons Cone Crusher is a high efficiency spring cone crusher absorbing advanced technology at home and abroad. It's based on the lamination crushing theory with the features of high-frequency pendulum, optimized cavity and reasonable stroke.

### **Main Features:**

#### 1. High-performance

Combining optimal designing of chamber type with applying reasonable speed and stroke, to make this kind of machine does more work with the same dynamic cone diameter. Therefore, this machine is of high-performance and manufacturing capacity compared with other cone crusher of the same type.

Use laminated crushing principle, to make more cubic shape materials and less needle-like materials.

#### 2. Good products size composition

the crusher applies for laminated crushing principle to make cubic shapes of final products stand for larger proportion. Acicular and flake shape products decrease and size fraction much more well-proportioned.

#### 3. Good stability

if there is metal or other non-broken material come to the chamber, metal going through protection device will release it and then reset automatically. The protection device has fixed discharge opening returning point and the original discharge opening can returning back immediately after the metal goes through the crushing chamber.

#### 4. Convenient Cleaning-up

If the crusher stops under loading condition, hydraulic cleaning system can clean up the crushing chamber quickly so that decrease the downtime.

#### 5. High reliability.

Adopting main shaft with big diameter, heavy main frame and separate automatic Control System of thin oil lubrication system, so that it guarantees robustness and reliable operation of the crusher.

#### 6. Easy maintenance and operation

all parts can be disassembled from top and the upper side, so that fixed cone and dynamic cone can be disassembled easily.

Under high shock and vibration environment, bronze Bearing can keep excellent bearing capacity and it is much more economic and easy for maintenance.

#### 7. Low production costs

Due for big capacity, high reliability and easy maintenance, the production costs has been reduced greatly.

#### 8. Widespread use

the specialty of CS Series High-efficiency Spring Cone Crusher is maximizing the performance to apply to all kinds of crushing process: from special coarse crushing to fine crushing; from fixed crushing plant to mobile crushing plant.

CS Series High-efficiency Spring Cone Crusher has different types of crushing chamber for choosing according to crushing process.

#### 9. Separate Lubrication

### **Technical Parameter:**

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Model	Dia. mm (inch)	Cavity	Feed Opening		Outlet Setting (mm)	Shaft Speed (r/min)	Power (kw)	Capacity (t/h)	Weight (t)	Dimension (mm)
			Closing Side (mm)	Open Side (mm)						
CSB75	900 (3')	Fine	83	102	9-22	580	75	45-91	15	2821x1880x2164
		Coarse	159	175	13-38			59-163		
CSB160	1295 (4 1/4')	Fine	109	137	13-31	485	185	109-181	27	2800x2342x2668
		Medium	188	210	16-38			132-253		
		Coarse	216	241	19-51			172-349		
CSB240	1650 (5 1/2')	Fine	188	209	16-38	485	240	181-327	55	3911x2870x3771
		Medium	213	241	22-51			258-417		
		Coarse	241	268	25-64			299-635		
CSB315	2134 (7')	Fine	253	278	19-38	435	315	381-726	110	4613x3251x4732
		Medium	303	334	25-51			608-998		
		Coarse	334	369	31-64			789-1270		

**Short Head**

Model	Dia. mm (inch)	Cavity	Feed Opening		Outlet Setting (mm)	Shaft Speed (r/min)	Power (kw)	Capacity (t/hour)	Weight (t)	Dimension (mm)
			Closing Side (mm)	Open Side (mm)						
CSD75	914 (3')	Fine	13	41	3-13	580	75	27-90	15	2821x1880x2410
		Coarse	33	60	3-16			27-100		
CSD160	1295 (4 1/4')	Fine	29	64	3-16	485	160	36-163	27	2800x2342x2668
		Medium	54	89	6-16			82-163		
		Coarse	70	105	10-25			109-227		
CSD240	1676 (5 1/2')	Fine	35	70	5-13	485	240	90-209	55	3917x2870x3771
		Medium	54	89	6-19			136-281		
		Coarse	98	133	10-25			190-336		
CSD315	2134 (7')	Fine	51	105	5-16	435	315	190-408	110	4130x3251x4454
		Medium	95	133	10-19			354-508		
		Coarse	127	178	13-25			454-599		

Note: Any change of [Symons Cone Crusher](#) technical data shall not be advised additionally.