

## **CS spring cone crusher machine (Symons cone crusher):**

### **Symons cone crusher machine brief introduction:**

SBM Symons cone crusher machine (sales code, CS series cone crusher machine) is used widely at present, Compared to the traditional spring cone crusher, the structure of the Symons spring cone crusher with high-efficiency is more perfect, and its technical parameters are more advanced, and Symons cone crusher machine has excellent performance in the manufacture, installation, operation and maintenance. Symons cone crusher is the best choice for mining crusher with fine crushing, high productions and low maintenance.

NOTE: The type of crushing chamber depend on the size of feed and fineness of the crushed product. The standard type is applied to medium crushing, the medium type is applied to medium or fine crushing and the short head is applied to fine crushing.

### **Symons cone crusher machine is suitable for:**

SBM Symons cone crusher machine has been designed to crush high or medium hardness raw materials, such as ore, copper ore, limestone, quartz, granite, nonferrous metal ore and rocks etc. Symons cone crusher machine is used in metallurgical industry, mining and construction, road building, chemical, silicate Industries, cement making industry etc.

### **Symons cone crusher machine features and cone crusher benefits:**

- 1) Many types of crushing chamber.SBM Symons cone crusher with high-efficiency owns special design, customers can choose the crushing chamber according to the situation
- 2) Dry oil seal system.SBM Symons cone crusher has special seal structure, which extends the lubricants' replacement cycle and the life of spare parts.
- 3) Special material is adopted on the key components of SBM Symons cone crusher to support large crush power.
- 4) High productivity .Compared with other type of crusher machine, SBM Symons cone crusher has longer crush arm, larger stroke, higher crush power.
- 5) The crushing cone has long distance from bowl liner in every stroke, so the Symons cone crusher allows more materiel to get into the cavity and produces larger capacity
- 6) Low cost of daily run and maintenance.

Right manufacture materiel and excellent structure are chosen to prolong the service life;

The long crush arm reduces the load of slip bearing, gear, and shell;

The granularity of the product is uniform which reduces the cycle load;

The system of cleaning cavity with hydraulic pressure is convenient.

### **Symons cone crusher machine structure:**

SBM Symons cone crusher machine mainly consists of frame, concaves assembly, mantle assembly, spring, bowl support, and transmission.

Auxiliary parts includes electrical system, lubrication system, and hydraulic cleaning system.

**Symons cone crusher machine specification:**

<b>[ Standard Symons Cone Crusher Technical Data ]</b>									
Type	Dia. of cone	Cavity	Feed Opening	Discharge Setting	Capacity	Counter Shaft	Power	Weight	Overall Dimension
	mm(inch)		mm	mm	ton/hour	r/min	kw	ton	mm
2 ft	600(2')	Fine	72	6-38	16-54	575	22	6	2195x1158x1651
		Coarse	109	9-38	18-68				
		Extra coarse	109	13-38	23-72				
3 ft	900(3')	Fine	102	9-22	45-91	580	75	15	2656x1746x2241
		coarse	175	13-38	59-163				
		Extra coarse	178	25-38	118-163				
4 1/4 ft	1295 (4 1/4')	Fine	137	13-31	109-181	485	155	27	2809x2354x3156
		Medium	210	16-38	132-253				
		Coarse	241	19-51	172-349				
		Extra	259	25-51	236-358				
5 1/2 ft	1676(5 1/2')	Fine	209	16-38	181-327	485	155	27	2809x2354x3156
		Medium	241	22-51	258-417				
		Coarse	269	25-64	299-635				
		Extra	368	38-64	431-630				
7 ft	2134(7')	Fine	278	19-38	381-726	485	220	55	3911x2870x3771
		Medium	334	25-51	608-998				
		Coarse	369	31-64	789-1270				
		Extra	460	38-64	880-1361				

<b>[ Short Head Symons Cone Crusher Technical Data ]</b>									
Type	Dia. of cone	Cavity	Feed Opening	Discharge Setting	Capacity	Counter Shaft	Power	Weight	Overall Dimension
	mm(inch)		mm	mm	ton/hour	r/min	kw	ton	mm
2 ft	600(2')	Fine	35	3-13	9-36	575	22	6	2195x1158x1651
		Coarse	51	5-16	16-50				
3 ft	900(3')	Fine	41	3-13	27-90	580	75	15	2656x1746x2410
		coarse	60	3-16	27-100				
		Extra coarse	76	6-19	59-127				
4 1/4 ft	1295 (4 1/4')	Fine	64	3-16	36-163	485	155	27	2958x2254x3156
		Medium	89	6-16	82-163				
		Coarse	105	10-25	109-227				
		Extra	133	19-25	209-236				
5 1/2 ft	1676(5 1/2')	Fine	70	5-13	90-209	485	220	55	3917x2870x3771
		Medium	89	6-19	136-281				
		Coarse	133	10-25	190-336				

		Extra	133	10-25	253-336				
7 ft	2134(7')	Fine	105	5-16	190-408	435	315	110	4130x3251x4454
		Medium	133	10-19	354-508				
		Coarse	178	13-25	454-599				
		Extra	203	16-25	508-653				

**Symons cone crusher machine image:**



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