

## Symons cone crusher

### Introduction to the [Symons cone crusher](#) ( [cone crusher](#) )

As the worlds earliest **cone crusher** , the **Symons cone crusher** features widest application and largest storage in the world .And based on the optimized improvement ,the **Symons cone crusher** features more reasonable and advanced ,which have appeared excellent performance in the manufacturing ,installation, and maintenance and so on.

And also the **Symons cone crusher** adopt the novel design principle and the new idea crushing technology, which can satisfy the crushing with various specifications .And the **Symons cone crusher** also satisfy the new -craft requirements of “ more crushing and less grinding”.



### Technical features of [Symons cone crusher](#)( [cone crusher](#) )

With the reliable structure ,high products efficiency ,convenient adjustment ,economic usage ,the **Symons cone crusher** have not only features large crushing ratio ,and evenly particle size ,but also the low-energy consumption.

### Application of Symons cone crusher( [cone crusher](#) )

**Symons cone crusher** Can be used to crush various ores and rocks with the over medium hardness and **Symons cone crusher** also have no requirements about the moisture ,which is also suitable for any hard and brittle materials .

## Working principle of [Symons cone crusher](#)

Based on the optimized design of the cavity and combination between the reasonable speed and stroke , the **Symons cone crusher** will make more working stroke with the same flexible cone diameters .And compared with the **cone crusher** ,the **Symons cone crusher** will feature high performance and production capability. And when the flexible and fixed cone get close ,the materials will be crushed by the extrusion, smash, bending.

## Main technical parameters of Symons cone crusher

Symons cone crusher

Type	Dia. of cone	Cavity	Feed opening	Discharge setting	Capacity	Countershaft	Power	Weight	Overall dimension
	mm (inch)		mm	mm	ton/hour	r/min	kw	ton	mm
2ft	600 (2')	fine	72	6-38	16-54	575	22	6	2195x1158 x1651
		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	2656x1746 x2241
		coarse	175	13-38	59-163				
		Extra coarse	178	25-38	118-163				
4 ft	1200 (4')	fine	131	9-31	63-188	485	110	20	2656x1974 x3112
		medium	156	13-38	100-200				
		coarse	191	19-51	141-308				
		Extra	250	25-51	190-317				
4 1/4 ft	1295 (4 1/4')	fine	137	13-31	109-181	485	155	27	2809x2354 x3156
		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	220	55	3911x2870 x3771
		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	435	315	110	4613x3251 x4732
		medium	334	25-51	608-998				
		coarse	369	31-64	789-1270				
		Extra	460	38-64	880-1361				

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