

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

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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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