

SC-200 Preliminary Application Data

Supercone 200 Liner Selection

SC-200	Secondary	
	Min. Setting	Feed Opening
Coarse	19mm (3/4 in.)	185mm (7 ⁵ / ₈ in.)
Medium	17mm (5/8 in.)	145mm (5 ³ / ₄ in.)
Short Head	7mm (1/4 in.)	89mm (3 ¹ / ₂ in.)

Supercone 200 Open Circuit Average Capacities

Size	Type of Cavity	Recommended Minimum Discharge Setting A	Feed Opening	Recommended Closed Side Settings for Open Circuit Operation <small>inch (mm)</small>										Recommended H.P. (electricity) CEC - Std	Max RPM	Approx. Weight Lbs. (kg)
				B Open Side	1/4 (6mm)	3/8 (10mm)	1/2 (13mm)	5/8 (16mm)	3/4 (19mm)	7/8 (22mm)	1 (25mm)	1 1/4 (32mm)	1 1/2 (38mm)			
1016mm	Coarse (Standard)	3/4 19mm	7 ⁵ / ₈ 185mm		145	145	160	170	180	210	225	250	150 KW 200 HP	800	26,500 (12,000)	
	Medium (Optional)	5/8 17mm	5 ³ / ₄ 145mm		105	130	145	155	165	195	205	240	150 KW 200 HP	800	26,500 (12,000)	
	Short Head (Optional)	1/4 7mm	3 ¹ / ₂ 89mm	Consult Factory										150 KW 200 HP	800	26,500 (12,000)

Product Gradations Percent Passing

Product Size	Closed Side Setting - mm (inches)						
	6mm 1/4 in.	10mm 3/8 in.	13mm 1/2 in.	19mm 3/4 in.	25mm 1 in.	38mm 1 1/2 in.	50mm 2 in.
100mm (4 in.)							100
75mm (3 in.)						100	80-90
50mm (2 in.)					100	80-90	70-74
38mm (1 1/2 in.)				100	80-90	70-77	55-65
25mm (1 in.)			100	80-90	70-80	54-60	37-45
19mm (3/4 in.)		100	80-90	72-80	58-64	40-45	30-36
13mm (1/2 in.)	100	80-90	74-80	44-60	40-45	30-34	20-25
10mm (3/8 in.)	80-90	76-80	58-64	40-45	32-36	22-25	16-20
6mm (1/4 in.)	78-80	44-60	40-45	28-32	22-25	15-18	12-15
5mm (4 M)	58-64	40-45	32-35	22-25	18-20	12-14	9-11
3mm (6 M)	43-48	30-33	22-25	18-20	13-15	9-11	7-9
2mm (8 M)	32-35	22-25	18-20	12-14	10-12	6-8	5-7



Note 1: The values are for average feed material with WI = 12 to 14

Note 2: The values in the above tables will vary with the method of feeding, feed distribution, feed segregation, crushing cavity, bulk density, fines in the feed, moisture content, fracture characteristics, speed, throw, ect. Consult CEC for more accurate estimate