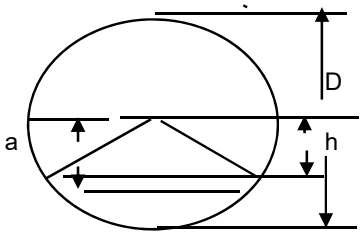
W1.60

Percent loading and ball mill power arm

sr no	h/D	% loading q	power arm a
	0.075	40.5	0.507
	0.08	39.9	0.512
	0.085	39.2	0.518
	0.09	38.6	0.523
	0.095	38	0.529
	0.1	37.4	0.534
	0.105	36.7	0.54
	0.11	36.1	0.546
	0.115	35.5	0.551
	0.12	34.9	0.557
	0.125	34.3	0.562
	0.13	33.6	0.568
	0.135	33	0.574
	0.14	32.4	0.579
	0.145	31.8	0.585
	0.15	31.2	0.591
	0.155	30.6	0.596
	0.16	30	0.602
	0.165	29.4	0.608
	0.17	28.8	0.613
	0.175	28.2	0.619
	0.18	27.6	0.625
	0.185	27	0.63
	0.19	26.4	0.636
	0.195	25.8	0.642
	0.2	25.2	0.647
	0.205	24.6	0.653
	0.21	24.1	0.659
	0.215	23.5	0.665
	0.22	22.9	0.67
	0.225	22.4	0.676
	0.23	21.8	0.682
	0.235	21.2	0.688
	0.24	20.7	0.693
	0.245	20.1	0.699
	0.25	19.6	0.765
	0.255	19	0.711
	0.26	18.5	0.717
	0.265	17.9	0.722
	0.27	17.4	0.728
	0.275	16.8	0.734
	0.28	16.3	0.74
	0.285	15.8	0.746
	0.29	15.3	0.751



D = Dia. Of mill inside liners
h= distance between centre of mill and surface of ball charge
a= power arm from centre of mill to c.g. of ball charge
q = % loading of mill

source: FLS Manual on Ball Mills