

W1.55

Equilibrium Ball Charge

Large Balls diameters in mms

balls in	max	120	110	110	100	100	90	90	90	80	80	70
chamber	min	50	50	50	50	50	40	40	40	40	40	30
compensation		*120		*110		*100		*90	*90		*80	
for wear		110	110	100	100	90	90	80	70	80	70	70

dia.	weight	specific surface	% 120		% 110		% 100		% 90		% 80		% 70	
mm	gms	m ² /t												
120	7100	6.4	9											
110	5500	7	23	19	10									
100	4100	7.7	24	28	24	21	10							
90	3000	8.5	18	21	26	31	27	23	12	12				
80	2100	9.6	12	14	18	22	27	32	29	16	26	13		
70	1400	11	8	10	12	14	18	21	28	25	36	32	29	
60	890	12.8	5	6	7	9	11	14	18	25	22	31	37	
50	510	15.4	1	2	3	3	7	8	10	15	13	17	21	
40	260	19.2							2	3	7	3	7	11
30	110	26												2

piece wt gms	**	2870	2540	2180	1920	1610	1400	1150	890	980?	790	660
sp. surface m ² /t	**	8.8	9.2	9.7	10.2	10.7	11.3	12	12.9	12.7	13.6	14.5

* when two sizes are mentioned they should be introduced by equal amount in wt.
 ** in equilibrium condition

			small balls mm											
			%		%		%		%		%			
balls in chamber	max		60	60	50	50	40	40	30	30	25	25	20	20
	min		30	30	25	25	20	20	15	15	10	10	10	10
compensation for wear				*60		*50		*40		*30		*25		*20
			60	50	50	40	40	30	30	25	25	20	20	15
				%		%		%		%		%		
dia.	piece weight	specific surface												
mm	gms	m ² /t												
60	890	12.8	35	18										
50	510	15.4	40	41	42	21								
40	260	19.2	20	32	42	47	51	26						
30	110	26	5	9	13	24	33	35	35	18				
25	64	31			3	8	13	27	40	40	40	20		
20	33	38					3	12	21	31	41	46	51	26
15	14	51							4	11	17	30	46	53
10	4	77									2	4	3	21
5	0.5	154												
piece wt	gms	**	410	300	240	160	120	73	52	38	30	20	15	10
sp. surface	m ² /t	**	17	18.6	20.3	22.9	25.4	30	34	37	41	46	51	59

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 ** in equilibrium condition

final rs 69

25/8/07

note : converted to portrait
 font : arial 8 too small ; better leave in landscape format
 margins : top 1.25, bottom 1; left 1, right 1