

**LUBRICANT OUTPUT PROGRAMMING**

**Timing Ring Color**

R = Red Ring  
W = White Ring  
B = Black Ring

Timing Rings	# Of Washers	CC's Per Stroke	Daily Output in CC's	Model 120 HPS 120 cc Capacity			Model 240 HPS 240 cc Capacity			Model 480 HPS 480 cc Capacity		
				Days To Empty	Weeks To Empty	Months To Empty	Days To Empty	Weeks To Empty	Months To Empty	Days To Empty	Weeks To Empty	Months To Empty
<b>RWB 24 Strokes Per Day</b>												
	0	0.63	15.12	7.9	1		15.9	2	0.5	31.7	4	1
	1	0.59	14.16	8.5	1		16.9	2		33.9	4	
	2	0.55	13.20	9.1	1		18.2	3		36.4	5	
	3	0.51	12.24	9.8	1		19.6	3		39.2	5	
	4	0.47	11.28	10.6	1		21.3	3		42.6	6	
	5	0.43	10.32	11.6	1		23.3	3		46.5	6	
	6	0.39	9.36	12.8	1		25.6	4		51.3	7	
	7	0.35	8.40	14.3	2		28.6	4		57.1	8	
<b>RW 12 Strokes Per Day</b>												
	0	0.63	7.56	15.9	2	0.5	31.7	5	1	63.5	9	2
	1	0.59	7.08	16.9	2		33.9	5		67.8	9	
	2	0.55	6.60	18.2	2		36.4	5		72.7	10	
	3	0.51	6.12	19.6	2		39.2	6		78.4	11	
	4	0.47	5.64	21.3	3		42.6	6		85.1	12	
	5	0.43	5.16	23.3	3		46.5	7		93.0	13	3
	6	0.39	4.68	25.6	3		51.3	7		102.6	14	
	7	0.35	4.20	28.6	4		57.1	8		114.3	16	
	8	0.31	3.72	32.3	4	1	64.5	9	2	129.0	18	4
<b>RB 4 Strokes Per Day</b>												
	0	0.63	2.52	47.6	6	1.5	95.2	12	3	190.5	27	6
	1	0.59	2.36	50.8	7		101.7	14		203.4	29	
	2	0.55	2.20	54.5	8		109.1	15		218.2	31	
	3	0.51	2.04	58.8	8		117.6	17		235.3	33	
	4	0.47	1.88	63.8	9		127.7	18		255.3	36	
	5	0.43	1.72	69.8	10		139.5	20		279.1	39	
	6	0.39	1.56	76.9	11		153.8	22		307.7	43	
	7	0.35	1.40	85.7	12		171.4	24		342.9	49	
<b>R 2 Strokes Per Day</b>												
	0	0.63	1.26	95.2	13	3	190.5	26	6	381.0	54	12
	1	0.59	1.18	101.7	14		203.4	28		406.8	58	
	2	0.55	1.10	109.1	15		218.2	30		436.4	62	
	3	0.51	1.02	117.6	16		235.3	32		470.6	67	
<b>BW 1.5 Strokes Per Day**</b>												
	0	0.63	0.95	127.0	18	4	254.0	36	8	507.9	72	16
	1	0.59	0.89	135.6	19		271.2	38		542.4	77	
	2	0.55	0.83	145.5	20		290.9	40		581.8	83	
	3	0.51	0.77	156.9	22		313.7	44		627.5	89	
	4	0.47	0.71	170.2	24		340.4	48		680.9	97	
	5	0.43	0.65	186.0	26		372.1	52		744.2	106	
<b>W 1 Strokes Per Day</b>												
	0	0.63	0.63	190.5	27	6	381.0	54	12	761.9	108	24
	1	0.59	0.59	203.4	29		406.8	58				
	2	0.55	0.55	218.2	31		436.4	62				
	3	0.51	0.51	235.3	33		470.6	66				
	4	0.47	0.47	255.3	36		510.6	72				
	5	0.43	0.43	279.1	39	9	558.1	78	18			
	6	0.39	0.39	307.7	44		615.4	88				
	7	0.35	0.35	342.9	49		685.7	98				
<b>B 0.5 Strokes Per Day***</b>												
	0	0.63	0.32	381.0	54	12	761.9	108	24			
	1	0.59	0.30	406.8	58							
	2	0.55	0.28	436.4	62							
	3	0.51	0.26	470.6	67							
	4	0.47	0.24	510.6	73							
	5	0.43	0.22	558.1	79	18						
	6	0.39	0.20	615.4	87							
	7	0.35	0.18	685.7	97							
	8	0.31	0.16	774.2	110	24						

\* We recommend that Battery Packs and Lubricant Cartridges be changed at no more than 12 month intervals

\*\* Ejection cycle every 16 hours

\*\*\* Ejection cycle every other day