

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
Balance Diameter and Mark Number	A INCHES Normal Force Spacing	B INCHES Side Force Spacing	C INCHES Length of Outer Sleeve	D INCHES Dim. To C.L. of Forces	E INCHES Dim. From O.S. to End of Taper	F INCHES Sting Gage Diameter	G INCHES Sting Taper	NORMAL FORCE (Lbs. @ 0 Pitch)	PITCHING MOMENT (In.-Lbs. @ 0 N.F.)	SIDE FORCE (Lbs. @ 0 Yaw)	YAWING MOMENT (In.-Lbs. @ 0 S.F.)	AXIAL FORCE (Lbs.)	ROLLING MOMENT (In.-Lbs.)	
0.50 MK I	2.100	1.700	2.740	1.280	0.600	0.350	0.625	100	105	60	51	15	15	
0.50 MK II	2.100	1.700	2.740	1.280	0.600	0.350	0.625	16	16.8	10	8.5	5	2	
0.50 MK III	2.100	1.700	2.740	1.280	0.600	0.350	0.625	100	105	100	85	15	15	
0.50 MK IV	2.100	1.700	2.740	1.280	0.600	0.350	0.625	150	158	80	68	50	20	
0.50 MK V	2.100	1.700	2.740	1.280	0.600	0.350	0.625	200	210	100	85	50	40	
0.50 MK VI	2.100	1.700	2.740	1.280	0.600	0.350	0.625	50	52.5	30	25.5	30	15	
0.50 MK VII	2.100	1.700	2.740	1.280	0.600	0.350	0.625	200	210	50	42.5	40	30	
0.50 MK VIII	2.100	1.700	2.740	1.280	0.600	0.350	0.625	60	63	20	17	15	15	
0.50 MK IX	2.100	1.700	2.740	1.280	0.600	0.350	0.625	50	52.5	24	20.4	10	15	
0.50 MK X	2.100	1.700	2.740	1.280	0.600	0.350	0.625	100	105	100	85	50	15	
0.50 MK XI	2.100	1.700	2.882	1.280	0.600	0.350	0.625	60	63	60	51	15	15	
0.50 MK XII	2.100	1.700	2.882	1.280	0.600	0.350	0.625	100	105	50	42.5	30	30	
0.50 MK XIII	2.100	1.700	2.740	1.280	0.600	0.350	0.625	225	236	204	173.4	55	45	
0.50 MK XIV	2.100	1.700	2.740	1.280	0.600	0.350	0.625	250	262.5	150	127.5	55	50	
0.50 MK XV	2.100	1.700	2.740	1.280	0.600	0.350	0.625	200	210	100	85	50	50	
0.50 MK XVI	2.100	1.700	2.740	1.280	0.600	0.350	0.625	225	236	204	173.4	55	50	
0.50 MK XVII	2.100	1.700	2.740	1.280	0.600	0.350	0.625	250	262.5	200	170	50	50	
17 mm MK I	2.677	2.240	3.425	1.614	***			430	576	430	482	25	75	
0.70 MK I	3.000	2.500	3.663	1.800	1.437	0.520	1.250	400	600	100	125	15	70	
0.70 MK II	3.000	2.500	3.663	1.800	1.437	0.520	1.250	260	390	100	125	15	120	

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0.75 MK I	3.000	2.500	3.830	1.800	0.825	0.520	0.625	80	120	40	50	40	60	
0.75 MK II	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	25	60	
0.75 MK III	3.000	2.500	3.830	1.800	0.825	0.520	0.625	100	150	100	125	10	15	
0.75 MK IV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	60	75	30	60	
0.75 MK V	3.000	2.500	3.830	1.800	1.075	0.520	0.625	150	225	60	75	30	40	
0.75 MK VI	3.000	2.500	3.830	1.800	2.250	0.520	0.625	100	150	100	125	15	20	
0.75 MK VII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	50	75	30	38	25	100	
0.75 MK VIII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	200	300	100	125	25	60	
0.75 MK IX	3.000	2.500	3.830	1.800	1.075	0.520	0.625	150	225	80	100	25	60	
0.75 MK X	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	200	250	50	40	
0.75 MK XI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	25	60	
0.75 MK XII	2.050	1.675	2.500	1.250	0.775	0.375	0.625	10	10.2	5	4.2	10	10	
0.75 MK XIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	200	250	50	20	
0.75 MK XIV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	100	150	50	63	50	30	
0.75 MK XV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	40	60	
0.75 MK XVI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	30	20	
0.75 MK XVII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	50	75	25	31	15	10	
0.75 MK XVIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	60	60	
0.75 MK XIX	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	75	60	
0.75 MK XX	2.050	1.675	2.500	1.250	0.775	0.375	0.625	50	51	25	21	50	25	
0.75 MK XXI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	80	120	60	75	20	20	
0.75 MK XXII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	50	75	50	63	15	40	
0.75 MK XXIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	50	75	40	50	15	15	
0.75 MK XXIV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	40	60	30	38	8	25	
0.75 MK XXV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	30	45	20	25	8	10	
0.75 MK XXVI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	20	30	20	25	10	15	
0.75 MK XXVII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	400	600	400	500	50	60	
0.75 MK XXVIII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	400	600	200	250	20	30	
0.75 MK XXIX	3.000	2.500	3.830	1.800	1.075	0.520	0.625	400	600	200	250	100	30	
0.75 MK XXX	3.000	2.500	3.830	1.800	0.825	0.520	0.625	150	225	80	100	75	20	
0.75 MK XXXI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	200	250	75	20	

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0.75 MK XXXII	2.050	1.675	2.500	1.250	0.775	0.375	0.625	10	10.2	10	8.4	10	10	
0.75 MK XXXIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	10	60	
0.75 MK XXXIV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	20	60	
0.75 MK XXXV	3.000	2.500	3.830	1.800	1.170	0.625	0.625	60	90	40	50	20	30	
0.75 MK XXXVI	3.000	2.500	3.830	1.800	1.170	0.625	0.625	400	600	140	175	30	80	
0.75 MK XXXVII	3.000	2.500	3.930	1.800	0.825	0.520	0.625	200	300	100	125	50	100	
0.75 MK XXXVIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	60	90	40	50	20	20	
0.75 MK XXXIX	3.000	2.500	3.830	1.800	1.075	0.520	0.625	200	300	100	125	25	60	
0.75 MK XL	3.000	2.500	3.830	1.800	1.075	0.520	0.625	200	300	100	125	25	60	
0.75 MK XLI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	30	100	
0.75 MK XLII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	400	600	400	500	100	100	
0.75 MK XLIII	3.000	2.500	3.930	1.800	0.825	0.521	0.625	400	600	200	250	80	80	
0.75 MK XLIV	3.000	2.500	3.930	1.800	0.825	0.521	0.625	300	450	200	250	60	80	
0.75 MK XLV	3.000	2.500	3.830	1.800	1.075	0.520	0.625	400	600	150	187	50	50	
0.75 MK XLVI	3.000	2.500	3.830	1.800	0.825	0.521	0.625	300	450	300	375	75	150	
0.75 MK XLVII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	50	75	50	63	50	40	
0.75 MK XLVIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	320	480	100	125	30	100	
0.75 MK XLIX	3.000	2.500	3.830	1.800	1.075	0.520	0.625	600	900	200	250	60	60	
0.75 MK L	3.000	2.500	3.830	1.800	0.825	0.520	0.625	60	90	40	50	15	60	
0.75 MK LI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	200	250	50	100	
0.75 MK LII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	600	900	200	250	60	120	
0.75 MK LIII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	12.5	60	
0.75 MK LIV	3.000	2.500	3.830	1.800	1.075	0.520	0.625	200	300	100	125	60	60	
0.75 MK LV	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	25	60	
0.75 MK LVI	3.000	2.500	3.930	1.800	1.075	0.520	0.625	500	750	500	625	50	100	
0.75 MK LVII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	720	1080	160	200	50	150	
0.75 MK LVIII	3.000	2.500	3.830	1.800	1.075	0.520	0.625	600	900	200	250	60	150	
0.75 MK LIX	3.000	2.500	3.830	1.800	0.825	0.520	0.625	300	450	150	187	40	90	
0.75 MK LX	3.000	2.500	3.830	1.800	0.825	0.520	0.625	300	450	300	375	75	150	
0.75 MK LXI	3.000	2.500	3.830	1.800	0.825	0.520	0.625	60	90	40	50	30	60	
0.75 MK LXII	3.000	2.500	3.830	1.800	0.825	0.520	0.625	200	300	100	125	25	50	

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1.00 MK I	4.750	5.500	6.300	3.150	1.280	0.750	0.625	500	1,188	180	495	50	300	
1.00 MK II	4.750	5.500	6.300	3.150	1.280	0.750	0.625	300	713	150	413	40	150	
1.00 MK III	4.300	3.500	5.100	2.500	1.280	0.750	0.625	500	1,075	500	875	150	150	
1.00 MK IV	2.050	1.675	2.500	1.250	1.280	0.750	0.625	250	256	124	104	250	250	
1.00 MK V	2.050	1.675	2.500	1.250	1.280	0.750	0.625	400	410	400	335	200	200	
1.00 MK VI	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	400	660	40	100	
1.00 MK VII	2.600	2.000	3.250	1.610	1.280	0.750	0.625	600	780	200	200	500	150	
1.00 MK VIII	2.600	2.000	3.830	1.800	0.825	0.520	0.625	400	520	200	200	250	50	
1.00 MK IX	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	400	660	150	100	
1.00 MK X	3.300	4.000	4.900	2.400	1.480	0.750	0.625	400	660	100	200	200	50	
1.00 MK XI	4.300	3.500	5.378	2.500	1.550	0.750	0.625	600	1,290	400	700	60	150	
1.00 MK XII	4.300	3.500	5.100	2.500	1.280	0.750	0.625	300	645	300	525	100	300	
1.00 MK XIII	4.300	3.500	5.100	2.500	1.280	0.750	0.625	500	1,075	300	525	75	150	
1.00 MK XIV	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	400	660	100	250	
1.00 MK XV	2.600	2.000	3.250	1.610	1.280	0.750	0.625	800	1,040	400	400	150	100	
1.00 MK XVI	4.300	3.500	5.378	2.500	1.550	0.750	0.625	1,000	2,150	500	875	100	400	
1.00 MK XVII	4.300	3.500	5.378	2.500	1.550	0.750	0.625	500	1,075	250	437	80	200	
1.00 MK XVIII	4.000	3.300	5.200	2.600				1,200	2,400	400	660	400	150	
1.00 MK XIX	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	400	660	100	150	
1.00 MK XX	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	400	660	100	250	
1.00 MK XXI	4.000	3.300	4.900	2.400	1.480	0.750	0.625	400	800	100	165	400	150	
1.00 MK XXII	4.000	3.300	4.900	2.400	1.480	0.750	0.625	950	1,900	600	990	120	350	
1.00 MK XXIII	4.000	3.300	4.900	2.400	1.480	0.750	0.625	640	1,280	140	231	40	160	
1.00 MK XXIV	4.300	3.500	5.100	2.500	1.280	0.750	0.625	700	1,500	600	1,050	120	120	
1.00 MK XXV	4.000	3.300	4.900	2.400	1.480	0.750	0.625	1,000	2,000	500	825	100	400	
1.00 MK XXVI	4.300	3.500	5.378	2.500	1.550	0.750	0.625	1,200	2,580	600	1,050	200	500	
1.00 MK XXVII	4.300	3.500	5.100	2.500	1.280	0.750	0.625	700	1,505	600	1,050	100	500	
1.00 MK XXVIII	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	200	330	150	80	
1.00 MK XXIX	4.000	3.300	4.900	2.400	1.480	0.750	0.625	800	1,600	800	1,320	100	150	
1.00 MK XXX	4.000	3.300	4.900	2.400	1.480	0.750	0.625	1,000	2,000	800	1,320	250	200	

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1.125 MK I	6.000	5.000	6.950	3.450	1.600	0.850	0.750	600	1,800	300	750	130	400	
1.25 MK I	6.000	5.000	7.000	3.375	1.500	0.860	0.625	200	600	200	500	120	150	
1.25 MK II	4.375	5.250	6.050	3.025	1.600	0.940	0.625	1,000	2,188	300	788	100	600	
1.25 MK III	5.250	4.250	6.105	3.025	2.015	0.940	0.625	1,500	3,938	750	1,594	175	600	
1.25 MK IV	5.250	4.250	6.275	3.025	1.850	0.940	0.625	600	1,575	300	638	75	300	
1.25 MK V	5.250	4.250	6.500	3.025	1.850	0.940	0.625	1,000	2,625	550	1,169	125	400	
1.25 MK VI	5.250	4.250	6.275	3.025	1.850	0.940	0.625	1,500	3,938	750	1,594	100	600	
1.25 MK VII	5.250	4.250	6.275	3.025	1.850	0.940	0.625	600	1,575	300	638	75	300	
1.25 MK VIII	5.250	4.250	6.500	3.025	1.850	0.940	0.625	1,500	3,938	750	1,594	240	750	
1.25 MK IX	4.250	5.250	6.275	3.025	1.850	0.940	1.000	750	1,594	375	984	100	300	
1.25 MK X	4.250	5.250	6.275	3.025	1.850	0.940	1.000	200	425	100	263	600	30	
1.25 MK XI	5.250	4.250	6.275	3.025	1.850	0.940	1.000	1,500	3,938	750	1,594	200	600	
1.25 MK XII	6.000	5.000	7.775	3.400	1.850	0.940	0.625	120	360	160	400	30	180	
1.25 MK XIII	5.250	4.250	6.275	3.025	1.850	0.940	1.000	1,000	2,625	1,000	2,125	150	120	
1.25 MK XIV	5.250	4.250	6.275	3.025	1.850	0.940	0.625	1,300	3,413	650	1,381	90	600	
1.25 MK XV	6.000	5.000	7.000	3.450	1.400	0.940	0.625	600	1,800	340	850	30	75	
1.25 MK XVI	4.500	3.500	5.525	2.650	1.850	0.940	0.625	3,200	7,200	1,000	1,750	250	900	
1.25 MK XVII	5.250	4.250	6.275	3.025	1.850	0.940	1.000	750	1,969	375	797	100	300	
1.25 MK XVIII	4.500	3.500	5.525	2.650	1.850	0.940	0.625	2,800	6,300	1,800	3,150	300	600	
1.25 Mk XIX	5.250	4.250	6.275	3.025	1.850	0.940	0.625	600	1,575	150	319	200	150	
1.25 Mk XX	5.250	4.250	6.275	3.025	1.850	0.940	0.625	300	788	75	160	75	90	

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1.50 SQ ROTOR	7.000	7.000	8.500					475		130		100	1,000	
1.50 x 1.60 "	7.000	7.000	8.500					475		260		150	1,000	
1.50 MK I	6.000	5.000	7.230	3.480	1.520	1.0109	0.625	1,000	3,000	400	1,000	100	800	
1.50 MK II	6.000	5.000	7.230	3.500	1.600	1.050	0.625	1,000	3,000	500	1,250	100	800	
1.50 MK III	6.000	5.000	7.230	3.600	1.810	1.120	0.625	2,000	6,000	800	2,000	150	1,200	
1.50 MK IV	6.000	5.000	7.230	3.600	1.810	1.120	0.625	1,200	3,600	1,200	3,000	100	800	
1.50 MK V	8.000	8.000	9.710		2.040	1.150	0.750	1,000	4,000	1,000	4,000	50	400	
1.50 MK VI	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	1,000	2,500	150	1,200	
1.50 MK VII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	2,000	5,000	150	1,200	
1.50 MK VIII	6.000	5.000	7.230	3.500	1.600	1.050	0.625	1,000	3,000	500	1,250	100	800	
1.50 MK IX	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,600	4,800	800	2,000	400	800	
1.50 MK X	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,000	3,000	1,000	2,500	400	1,000	
1.50 MK XI	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	2,000	5,000	500	400	
1.50 MK XII	6.000	5.000	7.230	3.500	1.600	1.050	0.625	1,000	3,000	500	1,250	300	800	
1.50 MK XIII	3.350	2.650	4.000	1.950	1.600	1.050	0.625	2,000	3,350	1,000	1,325	2,000	500	
1.50 MK XIV	8.000	10.000	10.950	5.500	2.040	1.150	0.750	260	1,040	160	800	40	150	
1.50 MK XV	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	2,000	5,000	150	1,200	
1.50 MK XVI	6.000	5.000	7.230	3.500	1.600	1.050	0.625	2,000	6,000	900	2,250	130	1,200	
1.50 MK XVII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,500	7,500	800	2,000	150	1,200	
1.50 MK XVIII	8.000	10.000	10.950	5.500	2.790	1.120	0.625	225	900	120	600	500	150	
1.50 MK XIX	6.000	5.000	7.230	3.500	1.600	1.050	0.625	800	2,400	100	250	250	50	
1.50 MK XX	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,500	7,500	1,000	2,500	200	1,200	
1.50 MK XXI	6.000	5.000	7.230	3.600	2.560	1.120	0.625	4,000	12,000	1,500	3,750	250	1,600	
1.50 MK XXII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	4,000	12,000	2,000	5,000	600	1,600	
1.50 MK XXIII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,200	3,600	600	1,500	100	800	
1.50 MK XXIV	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,500	7,500	1,500	3,750	150	1,200	
1.50 MK XXV	6.000	5.000	7.230	3.600	2.560	1.120	0.625	800	2,400	200	500	100	800	
1.50 MK XXVI	3.350	2.650	4.000	1.950	1.600	1.050	0.625	2,000	3,350	1,600	2,120	2,000	700	
1.50 MK XXVII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,000	3,000	500	1,250	100	1,000	

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
Balance Diameter and Mark Number	A INCHES Normal Force Spacing	B INCHES Side Force Spacing	C INCHES Length of Outer Sleeve	D INCHES Dim. To C.L. of Forces	E INCHES Dim. From O.S. to End of Taper	F INCHES Sting Gage Diameter	G INCHES Sting Taper	NORMAL FORCE (Lbs. @ 0 Pitch)	PITCHING MOMENT (In.-Lbs. @ 0 N.F.)	SIDE FORCE (Lbs. @ 0 Yaw)	YAWING MOMENT (In.-Lbs. @ 0 S.F.)	AXIAL FORCE (Lbs.)	ROLLING MOMENT (In.-Lbs.)	
1.50 MK XXVIII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,500	7,500	1,000	2,500	300	1,200	
1.50 MK XXIX	6.000	5.000	7.230	3.600	2.560	1.120	0.625	500	1,500	400	1,000	30	350	
1.50 MK XXX	6.000	5.000	7.230	3.600	2.560	1.120	0.625	600	1,800	400	1,000	60	600	
1.50 MK XXXI	6.000	5.000	7.230	3.600	2.560	1.120	0.625	3,400	10,200	1,700	4,250	400	1,600	
1.50 MK XXXII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,500	7,500	1,250	3,125	150	600	
1.50 MK XXXIII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,200	3,600	600	1,500	60	400	
1.50 MK XXXIV	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	500	1,250	600	800	
1.50 MK XXXV	6.000	5.000	7.230	3.600	2.560	1.120	0.625	3,000	9,000	1,500	3,750	250	1,500	
1.50 MK XXXVI	6.000	5.000	7.230	3.600	2.560	1.120	0.625	4,000	12,000	1,500	3,750	250	1,600	
1.50 MK XXXVII	5.300	4.300	6.885	3.250	2.560	1.120	0.625	1,000	2,650	500	1,075	150	1,600	
1.50 MK XXXVIII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,500	4,500	1,200	3,000	150	200	
1.50 MK XXXIX	6.000	5.000	7.230	3.600	2.560	1.120	0.625	2,000	6,000	1,000	2,500	600	800	
1.50 MK XL	6.000	5.000	7.230	3.600	2.560	1.120	0.625	3,000	9,000	800	2,000	150	1,500	
1.50 MK XLI	6.000	5.000	7.230	3.600	3.100	1.250	1.000	2,500	7,500	2,500	6,250	300	1,200	
1.50 MK XLII	6.000	5.000	7.230	3.600	2.560	1.120	0.625	1,500	4,500	400	1,000	360	400	
1.70 MK I	6.000	5.000	7.230	3.600				2,000	6,000	2,000	5,000	150	1,200	
1.75 MK I	3.350	2.650	4.000	1.950	2.100	1.300	0.625	4,000	6,700	4,000	5,300	3,000	1,000	
1.75 MK II	3.350	2.650	4.000	1.950	2.100	1.300	0.625	4,000	6,700	4,000	5,300	3,000	1,000	
2.00 MK I	7.250	6.000	8.900	4.375	2.350	1.440	0.625	1,800	6,525	900	2,700	160	1,000	
2.00 MK II	5.400	6.700	11.205	4.530				80	216	28	94	25	260	
2.00 MK III	7.250	6.000	8.900	4.375	2.350	1.440	0.625	1,800	6,525	900	2,700	160	1,200	
2.00 MK IV	15.000	13.000	17.150	8.575				475	3,563	280	1,820	550	1,500	
2.00 MK V	7.250	6.000	8.900	4.375	2.350	1.440	0.625	2,700	9,788	1,350	4,050	240	1,800	
2.00 MK VI	7.250	6.000	8.900	4.375	2.350	1.440	0.625	1,800	6,525	900	2,700	160	1,500	
2.00 MK VII	6.000	7.250	8.900	4.375	2.350	1.440	0.625	2,500	7,500	1,000	3,625	300	1,500	
2.00 MK VIII	7.250	6.000	8.750	4.375	2.350	1.440	0.625	1,000	3,625	1,000	3,000	500	1,800	
2.00 MK IX	7.250	6.000	8.900	4.375	2.350	1.440	0.625	1,800	6,525	900	2,700	500	1,000	
2.00 MK X	15.000	13.000	17.150	8.575				350	2,625	280	1,820	300	1,500	

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
Balance Diameter and Mark Number	A INCHES Normal Force Spacing	B INCHES Side Force Spacing	C INCHES Length of Outer Sleeve	D INCHES Dim. To C.L. of Forces	E INCHES Dim. From O.S. to End of Taper	F INCHES Sting Gage Diameter	G INCHES Sting Taper	NORMAL FORCE (Lbs. @ 0 Pitch)	PITCHING MOMENT (In.-Lbs. @ 0 N.F.)	SIDE FORCE (Lbs. @ 0 Yaw)	YAWING MOMENT (In.-Lbs. @ 0 S.F.)	AXIAL FORCE (Lbs.)	ROLLING MOMENT (In.-Lbs.)	
2.00 MK XI	7.250	6.000	8.900	4.375	2.350	1.440	0.625	3,200	11,600	1,600	4,800	210	2,100	
2.00 MK XII	7.250	6.000	8.900	4.375	2.350	1.440	0.625	3,000	10,875	1,600	4,800	200	2,000	
2.00 MK XIII														
2.00 MK XIV	7.250	6.000	8.900	4.375	2.350	1.440	0.625	3,000	10,875	1,600	4,800	100	2,000	
2.00 MK XV														
2.00 MK XVI	7.250	6.000	8.900	4.375	2.350	1.440	0.625	450	1,631	250	750	100	2,100	
2.00 MK XVII	15.000	13.000	17.150	8.575				350	2,625	280	1,820	75	500	
2.00 MK XVIII	7.250	6.000	8.900	4.375	2.350	1.440	0.625	4,000	14,500	4,000	12,000	600	3,000	
2.00 MK XIX	7.250	6.000	8.900	4.375	2.700	1.440	0.625	2,400	8,700	1,200	3,600	200	1,600	
2.00 MK XX	7.250	6.000	8.900	4.375	2.350	1.440	0.625	5,000	18,125	2,000	6,000	400	2,700	
2.00 MK XXI	7.250	6.000	8.900	4.375	2.350	1.440	0.625	7,000	25,375	3,000	9,000	400	4,000	
2.00 MK XXII	9.000	7.500	11.625	5.280	2.300	1.300	0.625	900	4,050	550	2,063	100	1,200	
2.00 MK XXIII	7.250	6.000	8.900	4.375	2.350	1.500	0.625	6,400	23,200	3,200	9,600	600	2,000	
2.00 MK XXIV	7.250	6.000	10.720	4.375	2.350	1.440	0.625	6,400	23,200	2,000	6,000	350	4,400	
2.00 MK XXV	9.000	7.500	11.625	5.280	2.300	1.300	0.625	1,500	6,750	800	3,000	250	1,600	
2.00 MK XXVI	7.250	6.000	8.900	4.375	2.350	1.500	0.625	4,000	14,500	4,000	12,000	600	3,000	
2.00 MK XXVII	7.250	6.000	8.900	4.375	2.350	1.440	0.625	3,000	10,875	1,600	4,800	200	2,000	
2.00 MK XXVIII	9.000	7.500	10.750	5.280	2.350	1.440	0.625	1,500	6,750	800	3,000	250	1,600	
2.00 MK XXIX	7.250	6.000	8.900	4.375	2.350	1.440	0.625	4,200	15,225	1,400	4,200	350	3,800	
2.00 MK XXX	7.250	6.000	10.720	4.375	2.350	1.440	0.625	4,200	15,225	1,400	4,200	350	3,800	
2.00 MK XXXI	7.250	6.000	8.900	4.375	2.350	1.500	0.625	6,000	21,750	3,000	9,000	600	2,000	
2.00 MK XXXII	7.250	6.000	8.900	4.375	2.350	1.500	0.625	3,000	10,875	1,500	4,500	300	2,000	
2.00 MK XXXIII	7.250	6.000	8.900	4.375	2.700	1.440	0.625	7,000	25,375	3,000	9,000	400	4,000	
2.00 MK XXXIV	7.250	6.000	10.720	4.375	2.350	1.440	0.625	4,200	15,225	1,400	4,200	300	4,200	
2.00 MK XXXV	7.250	6.000	8.900	4.375	2.350	1.440	0.625	5,800	21,025	5,800	17,400	340	3,100	
2.00 MK XXXVI	7.250	6.000	8.900	4.375	2.350	1.440	0.625	7,000	25,375	3,000	9,000	400	4,400	
2.00 MK XXXVII	7.250	6.000	8.900	4.375	2.350	1.440	0.625	700	2,537.5	400	1,200	40	650	
2.00 MK XXXVIII	7.250	6.000	10.720	4.375	2.350	1.440	0.625	6,400	23,200	4,000	12,000	600	6,000	

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
Balance Diameter and Mark Number	A INCHES Normal Force Spacing	B INCHES Side Force Spacing	C INCHES Length of Outer Sleeve	D INCHES Dim. To C.L. of Forces	E INCHES Dim. From O.S. to End of Taper	F INCHES Sting Gage Diameter	G INCHES Sting Taper	NORMAL FORCE (Lbs. @ 0 Pitch)	PITCHING MOMENT (In.-Lbs. @ 0 N.F.)	SIDE FORCE (Lbs. @ 0 Yaw)	YAWING MOMENT (In.-Lbs. @ 0 S.F.)	AXIAL FORCE (Lbs.)	ROLLING MOMENT (In.-Lbs.)	
2.125 MK I	10.000	8.750	11.600	5.700	2.850	1.500	0.500	1,000	5,000	500	2,188	200	1,200	
2.50 MK I	8.500	7.000	10.170	4.920	2.830	1.750	0.625	2,000	8,500	1,000	3,500	250	2,000	
2.50 MK II	10.500	9.000	12.280	6.030	3.090	1.850	0.625	3,000	15,750	1,500	6,750	300	5,000	
2.50 MK III	8.500	7.000	10.360	5.030	3.100	2.000	0.600	2,800	11,900	1,400	4,900	280	2,000	
2.50 MK IV	8.500	7.000	10.360	5.030	3.130	2.000	0.600	2,800	11,900	1,400	4,900	200	2,000	
2.50 MK V	8.500	7.000	10.360	5.030	2.900	1.751	0.625	2,800	11,900	1,400	4,900	200	2,000	
2.50 MK VI	10.500	9.000	12.280	6.030	3.090	1.850	0.750	3,000	15,750	1,500	6,750	300	5,000	
2.50 MK VII	9.000	7.500	11.160	5.280	3.090	1.850	0.625	5,000	22,500	2,000	7,500	300	4,000	
2.50 MK VIII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	11,000	49,500	5,500	19,250	1,250	4,000	
2.50 MK IX	10.500	9.000	12.470	6.030	3.090	2.000	0.600	3,000	15,750	1,500	6,750	300	4,000	
2.50 MK X	9.000	7.000	11.125	5.250	6.187	2.000	1.250	11,000	49,500	5,500	19,250	1,250	4,000	
2.50 MK XI	8.500	7.000	10.360	5.030	3.100	2.000	0.600	3,400	14,450	1,400	4,900	280	2,000	
2.50 MK XII	10.500	9.000	12.000	6.000				3,000	15,750	3,000	13,500	400	600	
2.50 MK XIII	7.000	9.000	11.120	5.250	6.187	2.000	1.250	7,000	24,500	3,000	13,500	2,000	5,000	
2.50 MK XIV	8.200	6.500	9.950	4.850	6.187	2.000	1.250	9,000	36,900	4,500	14,625	5,000	2,000	
2.50 MK XV	8.500	7.000	10.360	5.030	3.100	2.000	0.600	4,000	17,000	2,000	7,000	800	2,000	
2.50 MK XVI	8.500	7.000	10.360	5.030	3.100	2.000	0.600	4,800	20,400	2,400	8,400	1,500	4,000	
2.50 MK XVII	9.000	7.500	11.160	5.280	3.090	1.850	0.625	5,000	22,500	2,500	9,375	300	4,000	
2.50 MK XVIII	7.000	8.500	11.035	5.030	2.793	1.027	1.000	800	2,800	500	2,125	90	1,300	
2.50 MK XIX	15.000	13.000	17.150	8.575	2.500	1.562		500	3,750	250	1,625	75	1,600	
2.50 MK XX	9.000	7.000	11.125	5.250	6.187	2.000	1.250	6,000	27,000	3,000	10,500	600	4,000	
2.50 MK XXI	7.000	9.000	11.125	5.250	7.437	2.000	1.250	5,000	17,500	1,400	6,300	350	5,000	
2.50 MK XXII	9.000	7.500	11.160	5.280	3.090	1.850	0.625	5,000	22,500	2,000	7,500	800	4,000	
2.50 MK XXIII	15.000	13.000	17.150	8.575	2.500	1.562		2,000	15,000	1,000	6,500	600	5,000	
2.50 MK XXIV	10.500	9.000	12.280	6.030	3.090	1.850	0.750	3,000	15,750	3,000	13,500	300	5,000	
2.50 MK XXV	9.000	7.000	11.125	5.250	6.187	2.000	1.250	11,000	49,500	5,500	19,250	1,250	5,000	
2.50 MK XXVI	8.200	6.500	9.950	4.850	6.187	2.000	1.250	5,000	20,500	2,500	8,125	200	3,000	
2.50 MK XXVII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	1,000	4,500	500	1,750	100	3,000	
2.50 MK XXVIII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	600	2,700	500	1,750	40	1,000	

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
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2.50 MK XXIX	8.200	6.500	9.950	4.850	6.187	2.000	1.250	5,000	20,500	2,500	8,125	200	3,000	
2.50 MK XXX	15.000	13.000	17.150	8.575				3,000	22,500	1,500	9,750	600	6,000	
2.50 MK XXXI	9.000	7.500	11.160	5.280	3.090	1.850	0.625	5,000	22,500	2,000	7,500	600	4,000	
2.50 MK XXXII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	6,000	27,000	3,000	10,500	250	3,000	
2.50 MK XXXIII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	6,000	27,000	3,000	10,500	1,800	600	
2.50 MK XXXIV	9.000	7.000	11.125	5.250	6.187	2.000	1.250	7,000	31,500	3,600	12,600	400	5,000	
2.50 MK XXXV	15.000	13.000	17.150	8.575				2,000	15,000	1,000	6,500	400	5,000	
2.50 MK XXXVI	15.000	13.000	17.150	8.575				2,000	15,000	1,000	6,500	600	6,000	
2.50 MK XXXVII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	8,000	36,000	4,000	14,000	700	4,000	
2.50 MK XXXVIII	9.000	7.000	11.125	5.250	6.187	2.000	1.250	6,000	27,000	3,000	10,500	1,800	1,200	
2.50 MK XXXIX	9.000	7.500	11.160	5.280	3.090	1.850	0.625	1,000	4,500	500	1,875	200	2,000	
2.50 MK XL	9.000	7.500	11.125	5.250	6.187	2.000	1.250	7,000	31,500	5,000	17,500	400	8,000	
2.50 MK XLI	9.000	7.500	11.125	5.250	6.187	2.000	1.250	8,600	38,970	4,720	16,520	500	4,000	
2.50 MK XLII	9.000	7.500	11.125	5.250	6.187	2.000	1.250	8,600	38,970	4,720	16,520	500	4,000	

BALANCE IDENTIFICATION AND DIMENSIONS									RATED LOADS OF INDIVIDUAL COMPONENTS					
Balance Diameter and Mark Number	A INCHES Normal Force Spacing	B INCHES Side Force Spacing	C INCHES Length of Outer Sleeve	D INCHES Dim. To C.L. of Forces	E INCHES Dim. From O.S. to End of Taper	F INCHES Sting Gage Diameter	G INCHES Sting Taper	NORMAL FORCE (Lbs. @ 0 Pitch)	PITCHING MOMENT (In.-Lbs. @ 0 N.F.)	SIDE FORCE (Lbs. @ 0 Yaw)	YAWING MOMENT (In.-Lbs. @ 0 S.F.)	AXIAL FORCE (Lbs.)	ROLLING MOMENT (In.-Lbs.)	
2.75 MK I	10.000	8.375	12.000	5.800	4.190	2.105	1.250	7,500	37,500	3,750	15,703	700	8,000	
2.75 MK II														
2.75 MK III	10.000	8.000	12.000	5.800	4.190	2.105	1.250	10,600	53,000	10,600	42,400	1,200	11,000	
2.75 MK IV	10.000	8.000	13.250	5.800	6.187	2.000	1.250	7,000	35,000	5,000	20,000	850	18,000	
3.50 MK I	12.000	10.400	14.312	7.062	3.688	2.470	0.750	5,000	30,000	2,100	10,920	350	9,600	
3.50 MK II	12.000	10.400	14.312	7.062	3.688	2.470	0.750	7,000	42,000	2,000	10,400	350	15,000	
3.50 MK III	12.250	10.000	14.580	7.185	3.720	2.470	0.750	15,000	91,875	15,000	75,000	11,000	15,000	
4.00 MK I	18.000	16.400	19.600	9.800	4.400	2.713	0.625	5,000	45,000	4,000	32,800	1,400	2,600	
4.00 MK II	14.000	11.700	16.500	8.060	4.750	3.250	0.600	8,000	56,000	4,000	23,400	1,000	10,000	
4.00 MK III	18.000	15.500	20.500	10.060	4.880	2.960	0.625	8,000	72,000	4,000	31,000	1,000	15,000	
4.00 MK IV	14.000	11.500	16.750	8.060	6.300	3.250	0.600	12,000	84,000	6,000	34,500	2,500	16,000	
4.00 MK V	14.000	11.500	16.750	8.060	6.300	3.250	0.600	12,000	84,000	6,000	34,500	500	12,000	
4.00 MK VI	14.000	11.500	16.750	8.060	6.300	3.250	0.600	12,000	84,000	6,000	34,500	500	16,000	
4.00 MK VII	14.000	11.500	16.750	8.060	6.300	3.250	0.600	5,000	35,000	2,000	11,500	300	15,000	
4.00 MK VIII	14.000	11.500	16.750	8.060	6.300	3.250	0.600	8,000	56,000	4,000	23,000	1,000	35,000	
4.00 MK IX	14.000	11.500	16.750	8.060	6.300	3.250	0.600	12,000	84,000	6,000	34,500	2,000	35,000	
8.00 MK I	48.000	43.000	55.000	27.000	9.000	5.000	1.600	16,000	384,000	10,000	215,000	3,000	60,000	
8.00 MK II	32.000	28.000	39.000	19.000	8.500	5.000	1.600	16,000	256,000	10,000	140,000	3,000	60,000	