

Cone			Max Shaft Fillet Radii	Weight	Cup			Max Shaft Fillet Radii	Weight	Bearing Width
Number	Bore	Width			Number	Outside Dia	Width			
	d	B	R ①	kg		D	C	r ①	kg	T
322	29.972	22.174	0.8	0.3	312	72.626	23.812	3.3	0.19	26.988
335	34.925	22.403	0.8	0.39	332	80	17.826	1.3	0.14	21
339	35	22.403	0.8	0.39	333	80	21	2	0.16	21
350A	40	21.692	0.8	0.4	352	90.119	21.808	2.3	0.32	23
359A	46.038	21.692	3.5	0.33	352A	88.875	21.808	2.3	0.29	23
365A	41.275	22.225	3.5	0.46	362	90	15.875	2	0.17	20
368A	50.8	22.225	3.5	0.33	362A	88.9	16.513	1.3	0.16	20.637
375	50.8	22.225	2.3	0.42	372	100	21.824	2	0.43	25
385	55	21.946	2.3	0.44	382	98.425	17.826	0.8	0.22	21
387A	57.15	21.946	3.5	0.4	382A	96.838	15.875	0.8	0.18	21
390	57.15	21.996	2.3		394	110	22	0.8	0.28	22
390A	63.5	21.996	1.5		394A	110	18.824	1.3	0.26	22
395	63.5	21.996	3.5							
395A	66.675	21.996	0.8							
418	38.1	29.083	3.5	0.5	414	88.5	22.225	1.5	0.33	26.988
435	44.45	29.9	0.8	0.56	432	95.25	22.225	2.3	0.38	27.783
455	50.8	29.317	0.8	0.81	452	107.95	27	0.8	0.53	32.557
459	40	29.317	2	0.98	453	107.95	27	0.8	0.48	27.795
462	57.15	29.317	2.3	0.68						
469	57.15	29.317	3.5	0.68						
479	66.675	29.007	2.3	0.9	472	120	24.237	2	0.49	29.794
482	69.85	29.007	3.5	0.82	472A	120	23.444	3.3	0.46	29.002
495	82.55	29.769	3.5	1.07	492A	133.35	22.225	3.3	0.42	30.163
495A	76.2	29.769	3.5	1.26	493	136.525	22.225	3.3	0.54	30.163
497	85.725	29.769	3.5	0.98						
498	84.138	29.769	3.5	1.03						
527	44.45	36.068	3.5	0.95	J520	100	26.988	3.3	0.37	34.925
528	47.625	36.068	3.5	0.89	522	101.6	26.988	3.3	0.41	34.925
529	50.8	36.068	0.8	0.83	522A	100.038	31.75	4.3	0.44	39.688
535	44.45	36.957	3.5	1.09	532	111.125	33.338	3.3	0.79	38.1
537	50.8	36.957	3.5	0.96	532A	111.125	30.162	3.3	0.74	38.1
539	53.975	36.957	3.5	0.88	533A	103.188	30.162	1.5	0.43	38.1
555	50.8	36.678	2.3	1.56	552	123.825	33.338	3.3	0.8	38.1
555S	57.15	36.678	3.5	1.4	552A	123.825	30.162	3.3	0.75	38.1
559	63.5	36.678	3.5	1.23						
560	66.675	36.678	3.5	1.13						
567	73.025	36.17	3.5	1.15	562	130.048	28.575	0.8	0.8	36.512

567A	71.438	36.17	3.5	1.2	563	127	28.575	3.3	0.64	36.512
570	68.262	36.17	3.5	1.3						
575	76.2	36.098	3.5	1.6	572	139.992	28.575	3.3	0.77	36.513
580	82.55	36.098	3.5	1.37	572A	139.982	28.575	3.3	0.74	35.25
581	80.962	36.098	3.5	1.43	574	139.992	28.575	0.5	0.79	36.513
593	88.9	36.322	3.5	1.7	592	152.4	33.338	3.3	1.1	39.688
594	95.25	36.322	3.5	1.44						
596	85.725	36.322	3.5	1.83						
597	93.662	36.322	3.5	1.51						
598	92.075	36.322	3.5	1.58						
615	44.45	41.275	3.5	1.58	612	120.65	31.75	3.3	0.85	41.275
637	60.325	41.275	3.5	1.89	632	136.525	31.75	3.3	1.04	41.275
645	71.438	41.275	6.4	1.49	633	130.175	31.75	3.3	0.7	41.275
663	82.55	41.275	3.5	1.88	652	152.4	31.75	3.3	1.24	41.275
681	92.075	41.275	3.5	2.61	672	168.275	30.162	3.3	1.22	41.275
683	95.25	41.275	3.5	2.46						
687	101.6	41.275	3.5	2.14						
740	80.962	46.672	5	2.34	742	150.089	36.512	3.3	1.07	44.45
749	85.026	46.672	3.5	2.17						
749A	82.55	46.672	3.5	2.28						
755	76.2	48.26	3.5	3.09	752	161.925	38.1	3.3	1.59	47.625
759	88.9	48.26	3.5	2.47	752A	159.995	38.1	0.8	1.47	47.625
780	101.6	48.006	3.5	3.1	772	180.975	38.1	3.3	1.92	47.625
782	104.775	48.006	3.5	2.91	772A	174.625	38.1	3.3	1.39	47.625
795	120.65	47.625	3.3	4.46	792	206.375	34.925	3.3	1.88	47.625
835	69.85	56.363	3.5	4.42	832	168.275	41.275	3.3	1.74	53.975
861	101.6	57.531	8	4.15	852	190.5	47.625	3.3	2.78	57.15
935A	109.1	74	spcl.	6.41	930	206.375	53.975	3.3	3.18	66.675
938	114.3	86.675	7	5.77	932	212.725	53.975	3.3	4.07	66.675
1280	22.225	22.225	0.8	0.18	1220	57.15	17.462	1.5	0.1	22.225
1380	22.225	20.168	1.5	0.14	1328	52.388	14.288	1.5	0.07	19.367
1380H	22.225	20.168	1.5	0.14	1330	50.8	15.875	1.5	0.06	20.002
1680	33.338	20.638	3.5	0.19	1620	66.675	15.875	1.5	0.12	20.638
1779	23.812	19.837	0.8		1730	53.975	15.875	0.8	0.07	19.638
1986	25.4	19.355	1.3	0.17	1920	56.896	15.875	3.3	0.07	19.845
1987	26.975	19.355	0.8	0.16	1930	56.896	15.875	0.8	0.07	19.845
1988	28.575	19.355	3.5	0.14	1931	60.325	15.875	1.3	0.11	19.845
A2047	11.986	10.785	0.8	0.03	A2126	31.991	7.938	1.3	0.02	10.008
2380	22.225	24.765	0.8	0.21	2320	56.89	20.638	3.3	0.09	23.812
2474	28.575	23.812	0.8	0.27	2420	68.262	17.462	1.5	0.14	22.225
2559	30.162	25.357	0.8	0.3	2520	66.421	20.638	3.3	0.12	25.4

2580	31.75	25.357	0.8	0.28	2525	72.022	19.05	0.8	0.2	23.813
2688	26.988	25.433	1.5	0.26	2620	63.1	19.05	3.3	0.11	23.812
2780	36.487	25.654	1.5		2720	76.2	19.05	3.3	0.18	23.775
2788	38.1	25.654	3.5		2729	76.2	19.05	0.8	0.19	23.775
2790	33.338	25.654	1.5		2735X	73.025	19.05	0.8	0.13	23.775
3379	34.925	30.391	3.5	0.51	3320	80.157	23.812	3.3	0.21	29.37
3384	41.275	30.391	0.8	0.43	3325	79.974	23.812	3.3	0.2	29.37
3490	38.1	29.771	3.5	0.4	3420	79.375	23.812	3.3	0.25	29.37
3578	44.45	30.886	3.5	0.47	3520	84.138	23.812	3.3	0.22	30.163
3579	42.862	30.886	3.5	0.5	3525	87.312	23.812	3.3	0.3	30.163
3660	20.638	30.416	2.3	0.32	3620	61.912	23.812	3.3	0.15	28.575
3767	52.388	30.302	2.3	0.53	3720	93.264	23.812	3.3	0.28	30.163
3779	47.625	30.302	3.5	0.62						
3780	50.8	30.302	3.5	0.56						
3782	44.45	30.302	3.5	0.67						
3872	34.925	30.162	3.5	0.64	3820	85.725	23.812	3.3	0.28	30.163
3980	60.325	30.048	3.5	0.85	3920	112.712	23.812	3.3	0.44	30.163
3982	63.5	30.048	3.5	0.78	3925	112.712	23.812	0.8	0.46	30.163
3984	66.675	30.048	3.5	0.7	3926	112.712	26.988	3.3	0.53	33.338
4338	41.275	40.386	3.5	0.8	4320	88.5	33.338	3.3	0.38	39.687
4364	44.45	46.736	3.5	0.83	4335	90.488	33.338	3.3	0.45	39.687
4559	45	40.157	3.5	1.19	4520	101.2	33.338	3.3	0.42	39.687
JF4559	45	35	2.5	0.77	JF4510	95	30	2.5	0.42	36
JW4559	45	26.5	2.5	0.57	JW4510	95	20	2.5	0.34	29
A5069	17.455	11.112	1.5	0.03	A5144V	36.525	7.938	1.5	0.02	11.112
A5669V	17.455	11.112	1.5	0.03	A5144	36.525	7.938	1.5	0.02	11.112
JW5049	50	29	3	0.77	JW5010	105	22	3	0.46	32
5356	44.45	44.475	1.3	1.24	5320	101.2	36.512	3.3	0.54	43.657
5565	50.8	43.764	1.3	1.89	5520	120.251	36.512	3.3	0.71	44.45
JS5547	52.4	29.5	4	0.7	JS5510	100	24	2.5	0.36	30
JW5549	55	31	3	1	JW5510	115	23.5	3	0.57	34
JF6049	60	39	2.5	1.24	JF6010	115	33	2.5	0.62	40
6379	65.088	56.007	3.5	2.24	6320	135.755	44.45	3.3	1.37	53.975
6386	66.675	56.007	4.3	2.17						
6461	76.2	54.29	3.5		6420	149.225	44.45	3.3	1.62	53.975
6580	88.9	55.1	3.5	3.02	6525X	160	44.45	3	1.52	53.975
6581X	90	55.1	3	2.95	6535	161.925	42.862	3.3	1.65	53.974
JF7049	70	42	3	1.7	JF7010	130	35	2.5	0.8	43
JW7549	75	38	3	2.05	JW7510	150	29	3	1.17	42
9180	61.912	46.038	3.5	2.88	9120	158.75	34.925	3.3	1.82	50.8
9278	68.262	46.038	3.5	3.27	9220	161.925	31.75	3.3	1.37	49.212

9380	76.2	46.038	3.5	3.62	9320	177.8	34.925	3.3	2.19	52.387
2474	28.575	22.225	0.8	0.25	2420	68.262	17.462	1.5	0.15	22.225
2475	31.75	22.225	3.5	0.22						
2872	28.575	22.225	0.8	0.33	2820	73.025	17.462	3.3	0.15	22.225
5079	19.987	14.381	1.5		5175	44.45	11.43	1.5	0.03	15.494
7093	23.812	14.26	1.5	0.09	7196	50.005	9.525	1	0.03	13.495
8125	31.75	15.08	1	0.11	8231	58.738	10.716	1	0.06	14.683
9067	19.05	19.05	1.3	0.11	9095	49.225	14.288	1.3	0.06	18.034
JP10049	100	22.5	3	0.82	JP10010A	140	17.5	0.8	0.33	24
11162	41.275	17.384	1.5	0.21	11300	76.2	14.288	1.5	0.13	18.009
11590	15.875	14.288	1.5	0.06	11520	42.862	9.525	1.5	0.04	14.287
LM11749	17.462	14.605	1.3	0.06	LM11710	39.878	10.668	1.3	0.03	13.843
JP12049	120	25	3	1.25	JP12010	170	19.5	3	0.48	27
12580	20.638	19.845	1.5	0.12	12520	49.225	15.875	1.5	0.07	19.845
M12648	22.225	18.288	1.3	0.11	M12610	50.005	13.97	1.3	0.06	17.526
M12649	21.43	18.288	1.3	0.11						
LM12748	21.43	16.637	1.3	0.08	LM12710	45.237	12.065	1.3	0.04	15.494
LM12749	21.986	16.637	1.3	0.08	LM12711	45.974	12.065	1.3	0.04	15.494
JP13049	130	27	3	1.58	JP13010	185	21	3	0.59	29
13686	38.1	26.195	1.5	0.25	13620	69.012	15.083	0.8	0.1	19.05
13890	38.481	11.908	0.4		13830	63.5	9.525	0.8	0.04	12.7
14116	30.226	19.583	0.8	0.23	14272	69.012	14.288	3.3	0.11	19.05
14118	30	19.202	0.8	0.23	14273	69.012	16.954	spcl.	0.11	19.337
14125A	31.75	19.583	3.5	0.22	14276	69.012	15.875	1.3	0.13	19.845
14131	33.338	19.583	0.8	0.21						
14138A	34.925	19.583	3.5	0.19						
JP14049	140	27	3	1.68	JP14010	195	21	3	0.62	29
14585	34.925	20.638	3.5	0.2	14525	68.262	15.875	2.3	0.12	20.638
15101	25.4	20.638	0.8	0.22	15243	61.912	14.288	2	0.08	19.05
15106	26.988	20.638	0.8	0.2	15245	62	14.288	1.3	0.08	19.05
15123	31.75	19.05	spcl.	0.15						
15578	25.4	17.462	1.3	0.15	15520	57.15	13.495	1.5	0.07	17.462
15580	26.988	17.462	3.5	0.13						
15590	28.575	17.462	3.5	0.12						
15575X	23.812	18.161	0.8	0.16						
16150	38.1	20.638	3.5	0.21	16282	72	14.237	1.5	0.12	19
					16284	72.238	15.875	1.3	0.14	20.638
JP16049	160	30	3	2.32	JP16010	220	23	3	0.85	32
JP17049	170	30	3	2.51	JP17010	230	23	3	0.92	32
17888	44.45	31.354	3.8	0.38	17830	79.375	15.875	2	0.13	31.354
17887	45.23	20.638	2	0.27	17831	79.985	15.08	1.3	0.13	30.559

JP18049	180	30	3	2.61	JP18010	240	23	3	0.97	32
18590	41.275	17.462	3.5	0.19	18520	73.025	12.7	1.5	0.08	16.667
18690	46.038	17.462	2.8	0.21	18620	79.375	13.495	1.5	0.12	17.462
18790	50.8	17.462	3.5	0.23	18720	85	13.495	1.5	0.13	17.462
21075	19.05	21.839	1.5	0.15	21212	53.975	15.875	2.3	0.09	22.225
L21549	15.875	10.998	1.3	0.03	L21511	34.989	8.712	1.3	0.02	10.998
22780	42.862	26.988	3.5	0.4	22720	82.55	20.638	3.3	0.22	26.195
23100	25.4	21.463	1.5	0.22	23250	23.5	14.681	2.3	0.11	21.691
24118	30.162	18.974	1.5	0.18	24261	66.421	15.875	1.5	0.12	19.052
24780	41.275	23.02	3.5	0.28	24720	76.2	17.462	0.8	0.15	22.225
25577	42.875	25.4	3.5	0.37	25518	81.973	19.114	1	0.18	23.876
25578	42.862	25.4	2.3	0.38	25519	82.55	19.05	2	0.19	23.813
25580	44.45	25.4	3.5	0.35	25520	82.931	19.05	0.8	0.2	23.813
25584	44.983	25.4	1.5	0.35						
25590	45.618	25.4	3.5	0.33						
25877	34.925	24.608	1.5		25821	73.025	19.05	0.8	0.17	23.813
26118	29.987	18.923	1.5	0.22	26283	72	15.875	1.5	0.16	19
JL26749F	32	15	spcl.	0.08	JL26710	53	11.5	1.3	0.04	14.5
26878	38.1	25.4	0.8	0.39	26820	80.167	20.638	3.3	0.21	25.4
27687	82.55	25.4	3.5	0.7	27620	125.412	19.845	1.5	0.34	25.4
26790	83.345	25.4	3.5	0.68						
27880	38.1	23.698	0.8	0.36	27820	80.035	18.512	1.5	0.21	24.608
28580	50.8	25.4	3.5	0.46	28520	89.98	19.987	2.3	0.2	24.75
28584	52.388	25.4	3.5	0.43	28521	92.075	19.845	0.8	0.24	24.607
28680	55.562	24.608	3.5	0.49	28622	97.63	19.446	0.8	0.27	24.608
28682	57.15	24.608	3.5	0.46						
28985	60.325	25.4	3.5	0.53	28920	101.6	19.845	3.3	0.26	25.4
29585	63.5	25.4	3.5	0.65	29520	107.95	19.05	3.3	0.27	25.4
29590	66.675	25.4	3.5	0.58	29522	107.95	19.05	0.8	0.28	25.4
29675	69.85	25.4	1.5	0.69	29620	112.712	19.05	3.3	0.27	25.4
29685	73.025	25.4	3.5	0.62						
LM29748	38.1	18.288	spcl.	0.14	LM29710	65.088	13.97	1.3	0.08	18.034
LM29749	38.1	18.288	2.3	0.15	LM29711	65.088	15.748	1.3	0.09	19.812
31590	33.338	28.575	0.8	0.41	31520	76.2	23.812	3.3	0.23	29.37
31594	34.925	28.575	1.5	0.4						
33262	66.675	30.162	3.5	0.9	33462	117.475	23.812	3.3	0.43	30.162
33275	69.85	30.162	3.5	0.82	33472	120	23.444	0.8	0.52	29.794
33281	71.438	30.162	3.5	0.78						
33287	73.025	30.162	3.5	0.74						
33690	146.05	28.575	1.5	1.55	36620	193.675	23.02	1.5	0.72	28.575
36990	177.8	30.162	1.5	2	36920	227.012	23.02	1.5	0.9	30.163

37425	107.95	21.438	3.5	0.88	37625	158.75	158.75	3.3	0.47	23.02
37431	109.538	21.438	3.5	0.84						
39581	57.15	30.162	8	0.99	39520	112.712	23.812	3.3	0.36	30.163
39585	63.5	30.162	3.5	0.88						
39590	66.675	30.162	3.5	0.81						
41125	28.575	24.257	4.8	0.28	41286	72.626	17.462	1.5	0.18	24.607
42375	95.25	28.971	3	1.19	42587	149.225	24.608	3.3	0.69	31.750
42381	96.838	28.971	3.5	1.12						
42687A	76.2	31	1.3	1.01	42620	127	22.225	3.3	0.43	30.163
L44643	25.4	14.732	1.3	0.09	L44610	50.292	10.668	1.3	0.04	14.224
L44649	26.988	14.732	3.5	0.08						
45280	44.45	30.958	0.8	1	45220	104.775	23.812	3.3	0.35	30.162
45284	50.8	30.958	6.4	0.86	45221	104.775	23.812	0.8	0.35	30.162
45290	57.15	30.958	2.3	0.75						
L45449	29	14.732	3.5	0.08	L45410	50.292	10.668	1.3	0.03	14.224
46143	36.512	31.75	1.5	0.75	46368	93.662	26.195	3.3	0.4	31.75
47490	71.438	32.545	3.5	0.94	47420	120	26.195	3.3	0.47	32.545
47675	71.438	33.338	3.5	1.48	47620	133.35	26.195	3.3	0.56	33.337
47679	76.2	33.338	3.5	1.34	47621	139.992	29.37	3.3	0.99	36.512
47686	82.55	33.338	3.5	1.13						
47890	92.075	34.925	3.5	1.41	47820	146.05	26.195	3.3	0.65	33.337
48290	127	38.1	3.5	2.18	48220	182.562	33.338	3.3	1.12	39.689
48393	136.525	39.688	3.5	2.21	48320	190.5	33.338	3.3	1.14	39.687
LM48545	35.128	18.288	0.8	0.17	LM48510	65.088	13.97	1.3	0.09	18.034
LM48548	34.925	18.288	spcl.	0.16						
LM48549	34.925	18.288	1.5	0.17						
48685	142.875	39.688	3.5	2.47	48620	200.025	34.13	3.3	1.37	41.275
49175	44.45	31.75	3.5	0.64	49368	93.662	25.4	3.3	0.36	31.75
49581	47.625	31.75	6.4	0.78	49520	101.6	25.4	3.3	0.38	31.75
52375	95.25	36.116	3.5	1.99	52618	157.162	26.195	3.3	0.69	36.512
LL52549	22.225	11.176	1.3	0.04	LL52510	42.07	8.636	1.3	0.02	11.176
53176	44.45	28.3	1.3	0.59	53387	98.425	20.638	0.8	0.44	30.956
55176	44.45	26.909	0.8	0.87	55437	111.125	20.638	3.3	0.5	30.163
55206	52.388	26.909	3.5	0.74						
55187C	47.625	26.909	3.5	0.91	55437	111.125	20.638	3.3	0.5	30.163
56418	106.362	36.512	3.5	1.86	56650	165.1	26.988	3.3	0.84	36.512
56425	107.95	36.512	3.5	1.78						
59175	44.45	36.512	3.5	1.08	59425	107.95	28.575	3.3	0.58	36.512
64450	114.3	41.275	3.5	2.36	64700	177.8	30.162	3.3	1.09	41.275
65237	60.325	44.45	3.5	1.57	65500	127	34.925	3.3	1.02	44.45
65385	44.45	44.45	3.5	1.44	65320	114.3	34.925	3.3	0.87	44.45

65390	49.212	44.45	3.5	1.32	65321	114.3	34.925	0.8	0.88	44.45
66212	53.975	31.75	3.5	1.04	66462	117.45	23.812	3.3	0.54	33.338
66584	53.975	31.75	3.5	1.24	66520	122.238	23.812	3.3	0.54	33.338
67425	107.95	30.162	3.5	1.63	67675	171.45	25.2683.3	0.9	34	
LM67048	31.75	16.764	spcl.	0.12	LM67010	59.131	11.811	1.3	0.06	15.875
67388	127	46.038	3.5	3.65	67320	203.2	38.1	3.3	2.04	46.038
67780	165.1	47.625	3.5	5.62	67720	247.65	38.1	3.3	2.29	47.625
67790	177.8	47.625	3.5	4.35						
67983	203.2	46.038	3.5	5.96	67920	282.575	36.512	3.3	2.79	87.312
JL68145	35	18.461	2	0.12	L68110	59.131	11.938	1.3	0.06	15.875
L68149	34.988	16.764	spcl.	0.11	JL68111Z	60	11.938	1.3	0.06	15.875
L68149A	34.988	16.764	0.8	0.12	L68111	59.974	11.983	1.3	0.06	15.875
JL69349	38	17	spcl.	0.13	JL69310	63	13.5	1.5	0.07	17
71425	107.95	49.212	3.5	3.85	71750	190.5	34.925	3.3	1.72	47.625
72212	53.975	32.791	3.5	1.16	72487	123.825	25.4	3.3	0.78	36.512
72225	57.15	32.791	3.5	1.09	72500	127	25.4	3.3	0.9	36.512
LM72849	22.606	15.5	1.5	0.08	LM72810	47	12	1	0.05	15.5
73551	139.7	31.623	3.5	2.83	73875	222.5	23.812	3.3	1.43	60.579
74550	139.7	47.625	3.5	4.06	74845	214.975	34.925	3.3	1.84	47.625
77376	95.25	48.26	6.4	2.97	77675	171.45	38.1	3.3	1.65	47.625
78215	53.975	33.236	3.5	1.73	78537	136.525	23.52	3.3	0.76	36.513
LM78349	34.988	17	3.5	0.12	LM78310A	61.973	13.6	1.5	0.07	16.702
M84249	25.4	23.114	0.8	0.2	M84210	59.53	18.288	1.5	0.13	23.368
M84548	25.4	19.431	1.5	0.15	M84510	57.15	14.732	1.5	0.09	19.431
M86643	25.4	21.433	1.5	0.24	M86610	64.292	16.67	1.5	0.13	21.432
M86647	28.575	21.433	1.5	0.22						
M86649	30.162	21.433	1.5	0.21						
M88043	30.162	22.225	2.3	0.26	M88010	68.262	17.462	1.5	0.14	22.225
HM88542	31.75	27.783	1.3	0.38	HM88510	73.025	23.02	3.3	0.23	29.37
HM88547	33.338	27.783	0.8	0.36	HM88511	73.025	23.02	0.8	0.24	29.37
HM88649	34.925	25.4	2.3		HM88610	72.233	19.842	2.3	0.18	25.4
HM89249	36.512	28.829	3.5	0.44	HM89210	79.375	22.664	3.3	0.26	29.37
HM89440	31.75	28.575	0.8	0.44	HM89410	76.2	23.02	3.3	0.25	29.369
HM89443	33.338	28.575	0.8	0.42						
HM89446	34.925	28.575	3.5	0.4						
HM89449	36.512	28.575	3.5	0.38						
90381	96.838	46.038	3.5	3.82	90744	188.912	31.75	3.3	1.87	50.8
93800	203.2	63.5	4.3	11.89	93125	317.5	46.038	3.3	5.98	63.5
94700	177.8	63.5	7	9.96	94113	288.925	47.625	3.3	5.32	63.5
95500	127	63.5	6.4	7.68	95925	234.95	49.212	3.3	4.04	63.500
98400	101.6	49.212	3.5	4.54	98788	200	34.925	3.3	2.28	52.761

99600	152.4	66.675	7	8.23	99100	254	47.625	3.3	4.24	66.675
L102849	44.45	18.258	1.5	0.2	L102810	73.025	15.083	1.5	0.1	18.258
LM102949	45.242	19.812	3.5	0.21	LM102910	73.431	15.748	0.8	0.1	19.558
LL103049	44.45	12.7	1.5	0.13	LL103010	71.438	9.525	1.5	0.05	12.7
JLM104948	50	21.5	3		JLM104910	82	17	0.5	0.13	21.5
LM104949	50.8	22.225	3.5		LM104911	82.55	16.51	1.3	0.13	21.116
LM110848	63.5	25.4	1.5	0.49	LM110811	101.6	22.225	1.5	0.27	25.4
L117549	88.9	19.05	2.3	0.53	L117510	125.412	15.083	2.3	0.18	19.05
LM117949	88.9	28.575	2.3	0.88	LM117910	130.175	25.4	2.3	0.44	28.574
LM120749	101.6	31.75	2.3	1.13	LM120710	146.05	28.575	2.3	0.62	31.75
LM122948	114.3	34.925	3.3	1.31	LM122911	158.75	30.162	3.3	0.68	34.925
LM124449	120.65	36.512	3.3	1.5	LM124410	166.688	31.75	3.3	0.76	52.387
HM124649	119.957	57.15	3	3.58	HM124618	195.262	44.45	3.3	2.45	53.975
EE132083	203.2	53.975	4	9.81	132127	319.088	34.925	3.3	4.35	95.25
EE132084	206.375	53.975	4	9.38	132125	317.5	34.925	3.3	4.13	53.975
HM134940	165.087	74.612	1.5	22.88	HM136916D	276.225	185.725		17.12	181.022
EE157337	857.25	111.125	19		157430	1092.2	76.2	6.4	70.52	120.65
EE158350	889	111.125	19		158442	1123.95	76.2	6.4	73.14	120.65
EE195500X	127	67.335	4.8	16.62	195116X	295.275	50.8	4.8	10.23	82.55
EE197045	114.3	74.612	3.3	11.7	197100	254	49.212	6.4	6.49	77.787
M201047	39.688	22.098	0.8	0.26	M201011	73.025	21.336	2.3	0.17	25.654
HM204043	39.978	32	1	0.73	HM204010	90.975	26.5	3.5	0.3	32
JM205149	50	28	3	0.51	JM205110	90	23	2.5	0.24	28
JM207049	55	29	1.5	0.59	JM207010	95	23.5	2.5	0.25	29
HM212047	63.5	38.354	7	1.36	HM212010	122.238	29.718	1.5	0.6	38.1
HM212049	66.675	38.354	3.5	1.27	HM212011	122.238	29.718	3.3	0.6	38.1
H212749	65.987	41.5	7	1.46	H212710	123.975	34	3.5	0.67	41.5
EE213362	92.075	73.025	9.7	7.88	213843	214.312	58.975	6.4	4.45	73.025
EE215040	101.6	73.025	6.4	10.44	215096	250.825	50.8	3.3	6.9	76.2
HM215249	75.987	39	7	1.46	HM215210	131.976	32	3.5	0.65	39
JH217249	85	46	3	2.28	JH217210	150	38	2.5	1.08	46
L217849	88.9	20.638	1.5	0.51	L217810	123.825	16.67	1.5	0.24	20.637
LL217849	88.9	15.083	1.5	0.35	LL217810	121.442	11.112	1.5	0.13	15.082
HM218248	89.974	40	7	1.77	HM218210	146.975	32.5	3.5	0.79	40
EE219065	165.1	82.55	6.4	17.25	219117	298.45	63.5	6.4	6.98	82.55
EE219068	174.25	82.55	6.4	15.6	219122	311.15	63.5	6.4	9.99	82.55
HM220149	99.974	42	8	1.96	HM220110	156.975	34	3.5	0.86	42
EH220749	95.25	73.025	3.3	7.19	EH220710	200.025	58.738	3.3	3.45	73.025
HH221449	101.6	57.531	8	4.99	HH221410	190.5	46.038	3.3	2.21	57.15
HH224332	98.425	66.675	3.5	8.85	HH224310	212.725	53.975	3.3	3.03	66.674
HH224349	114.976	66.675	7	7.34						

M224749	120.65	36.512	3.5	1.83	M224710	174.625	27.783	1.5	0.86	35.72
H225148	117.475	69.85	8	6.34	H225110	212.725	49.212	3.3	3.06	63.5
LL225749	127	17.462	1.5	0.64	LL225710	165.895	13.495	1.5	0.28	18.257
L225849	127	26.195	1.5	1.09	L225810	169.862	20.638	1.5	0.52	25.4
HH228349	127	82.55	9.7	12.63	HH228310	254	61.912	6.4	5.98	77.788
M229349	146.05	40	3.5	2.64	M229310	203.2	38.1	3.5	1.37	45.1
H230844	139.7	68.262	14.3	8.14	H230811	241.3	50.8	3.3	3.7	63.5
H230847	144.462	68.262	3.3	7.63	H230818	247.65	50.8	3.3	4.61	63.5
HM231148	149.225	56.642	6.4	6.35	HM231110	236.538	44.45	3.3	2.8	57.15
HM231149	149.225	56.642	3.5	6.41						
M231649	152.4	46.83	3.5	3.93	M231610	222.25	34.925	1.5	1.86	46.83
HH234048	152.4	93.662	9.7	20.51	HH234010	307.975	66.675	6.8	8.62	88.9
HM234648	165.1	71.438	1.5	9.67	HM234610	266.7	50.8	3.3	4.17	66.675
M235149	170	46.038	4.8	5.2	M235110DA	250.825	76.2	0.8	4.78	101.6
LM236749	184.15	33	2	2.39	LM236710	234.95	28	2	0.98	34
M236849	177.8	53.975	3.5	6.23	M236810	260.35	41.275	3.3	2.82	98.425
HM237540	171.45	63.5	7	11.92	HM237510	288.925	47.625	3.3	4.46	63.5
LM241147	200.025	46.038	3.5	5.65	LM241110	276.225	34.133	3.3	2.1	42.863
LM241148	203.987	46.038	3.5	5.2	LM241111	276.225	34.133	3.3	2.15	42.863
M241549	204.788	57.945	3.5	7.95	M241510	292.1	46.038	3.3	3.86	57.945
H242649	206.375	100.012	3.3	22.33	H242610	336.55	77.788	3.3	10.95	98.425
LL244549	231.775	21.5	2	1.28	LL244510	268.288	18.5	2	0.57	22.5
LM300849	40.988	18	spcl.	0.16	LM300811	67.975	13.5	1.5	0.08	17.5
L305649	50.8	18.258	1.5	0.24	L305610	80.962	14.288	1.5	0.12	18.257
JH307749	55	39	3	1.14	JH307710	110	32	2.5	0.57	39
L319249	95.25	21.433	1.5	0.55	L319210	130.175	16.67	1.5	0.24	20.638
LL319349	95.25	15.038	1.5	0.38	LL319310	128.587	11.908	1.5	0.15	15.875
HM321245	99.212	49.212	3.5	3.18	HM321210	171.45	38.1	3.3	1.38	49.213
L327249	133.35	26.195	1.5	1.17	L327210	177.008	20.638	1.5	0.54	25.4
M327345	127	46.038	3.5	3.58	67322	196.85	38.1	3.3	1.44	46.036
M327349	133.35	46.038	3.5	3.11						
LM328048	139.7	39.688	3.3	2.01	LM328011	188.912	33.338	3.3	1.07	39.688
LM328444	136.525	29.37	1.5	1.72	LM328410	187.325	23.02	1.5	0.69	28.575
LM330446	150.812	41.275	3.3	2.4	LM330410	203.2	34.925	3.3	1.2	41.275
M336946	177.8	57.15	3.3	6.76	M336912	265.112	38.895	3.3	2.73	51.595
H414245	68.262	41.275	3.5	1.97	H414210	136.525	31.75	3.3	0.78	41.275
H414249	71.438	41.275	3.5	1.86						
JH415647	75	51	3	2.62	JH415610	140	42	2.5	1.19	51
L420449	101.6	21.433	1.5	0.58	L420410	136.525	16.67	1.5	0.27	21.433
LL420549	101.6	15.083	1.5	0.4	LL420510	134.938	11.908	1.5	0.16	15.875
LL428349	139.7	20.638	1.5	0.89	LL428310	180.975	16.67	1.5	0.42	21.432

JH429149	130	72	8	9.55	JH429110	240	60	7	4.82	76
L432348	158.75	23.812	4.8	1.29	L432310	205.582	18.258	1.5	0.58	23.812
L432349	158.75	23.812	1.5	1.34						
H432649	152.387	77.778	1.5	11.72	H432610	269.875	64	3.3	6.5	77
LM446349	234.95	46.038	3.5	6.22	LM446310	311.15	33.338	3.3	2.55	46.037
J450590	150	80	5	17.17	451250	317.5	61.912	6.8	12.82	88.9
LM451349	266.7	57.15	3.5	10.52	LM451310	355.6	44.45	3.3	4.36	107.95
LM501349	41.275	19.812	3.5	0.23	LM501310	73.431	14.732	0.8	0.11	38.895
					LM501314	73.431	16.604	0.8	0.13	42.639
					LM501311	73.431	18.186	2.3	0.14	23.012
LM503349	45.987	18	2.3	0.21	LM503310	74.976	14	1.5	0.09	18
JLM506849	55	23	1.5	0.36	JLM506810	90	18.5	0.5	0.18	23
L507949	57.15	18.258	1.5	0.26	L507910	87.312	14.288	1.5	0.13	18.258
JM511946	65	28	3	0.72	JM511910	110	22.5	2.5	0.33	28
JM515649	80	34	3	1.14	JM511610	130	28.5	2.5	0.57	35
HM515749	79.375	46.1	3.5	1.66	HM515714	140	33.338	3.3	0.94	44.45
HM516449A	82.55	39.688	6.2	1.35	HM516410A	133.35	32.545	0.8	0.77	39.687
JHM516849	85	38	3	1.51	JHM516810	140	31.5	2.5	0.76	39
HM518445	88.9	39.688	6.4	2.05	HM518410	152.4	30.162	3.3	0.76	39.688
LM520349	101.6	21.717	1.5	1.57	LM520310D	146.05	38.895	0.8	0.78	49.209
LL521845	104.775	15.083	1.6	0.5	LL521810	142.083	11.908	1.5	0.18	15.875
LL521849C	107.95	15.083	1.6	0.44	LL521811	142.083	11.908	1.5	0.18	15.875
L521949	107.95	21.433	1.5	0.66	L521910	146.05	16.67	1.5	0.33	21.432
LM522549	109.987	34.925	3.5	1.52	LM522510	159.987	26.988	3.3	0.75	69.058
JHM522649	110	46	3	3.05	JHM522610	180	38	2.5	1.49	47
LL529749	146.05	20.638	1.5	0.94	LL529710	188.12	16.67	1.5	0.45	22.225
M533349S	165.1	44	3.5	3.83	M533310	231.976	36	3.5	1.7	45
JHM534149	170	38	3	3.04	JHM534110	230	31	2.5	1.28	39
HM535347	169.974	66.675	3.5	8.49	HM535310	260.35	52.388	3.3	4.18	66.675
HM535349	171.45	66.675	3.5	8.23						
LL537649	184.15	25.4	1.5	1.82	LL537610	236.538	19.05	1.5	0.79	26.193
L540049	196.85	27.783	1.5	2.34	L540010	254.000	21.433	1.5	1.02	28.575
544090	228.6	31.75	3.5	3.71	544118	300.038	23.812	3.3	1.87	
LM603049	45.242	19.842	3.5	0.25	LM603011	77.788	15.08	0.8	0.12	39.687
					LM603012	77.788	16.667	0.8	0.14	42.862
					LM603014	79.974	15.08	0.8	0.15	39.687
L624549	120.65	21.433	1.5	0.77	L624510	160.338	16.67	1.5	0.39	21.433
					L624511	158.75	16.67	1.5	0.34	21.433
L630349	152.4	24	2	1.1	L630310	192.088	19	2	0.46	25
LL641148	203.479	31.75	1.5	2.68	LL641110	261.142	21.433	1.5	1.05	28.575
LL641149	203.2	27.783	1.5	2.47	LL641111	261.142	21.433	1.5	1.07	28.575

JLM704649	50	22	3.5	0.3	JLM704610	84	17.5	1.5	0.16	22
L713049	69.85	19.05	1.5	0.34	L713010	101.6	15.083	1.5	0.17	19.05
JLM714149	75	25	3	0.61	JLM714110	115	19	2.5	0.27	25
JM714249	75	29.5	3	0.88	JM714210	120	25	2.5	0.42	31
H715341	66.675	46.038	3.5	2.34	H715310	139.7	36.512	3.3	1.14	46.038
LM716449	82.55	26.988	3.5	0.82	LM716411	129.974	20.638	1.5	0.41	26.987
JM716649	85	29	3	0.9	JM716610	130	24	2.5	0.45	30
JM718149	90	34	3	1.49	JM718110	140	27	2.5	0.65	35
LM718947	91.973	30	3.5	1.15	LM718910	142.875	22	3.3	0.48	30
JM719149	95	34	3	1.41	JM719113	150	27	2.5	0.76	35
JHM720249	100	40	3	2.04	JHM720210	160	32	2.5	0.96	41
LM720646	99.974	25.4	1.5	0.95	LM720610	146.05	19.05	1.5	0.39	25.4
LM722949	114.3	27	3.3	1.13	LM722910	161.925	20.638	3.3	0.49	27.783
L724349	120.65	25.4	3.3	1.1	L724310	166.688	19.05	3.3	0.45	25.4
L730649	152.4	28.575	3.3	1.74	L730610	203.2	21.438	3.3	0.69	28.575
JM734449	170	44.5	3	4.28	JM734410	240	37	2.5	2	46
LL735449	177.8	20.638	1.5	1.04	LL735410	215.9	15.083	1.5	0.4	20.638
JM736149	180	45	3	4.57	JM736110	250	37	2.5	2.1	47
JM738249	190	44	3	4.67	JM738210	260	36.5	2.5	2.2	46
LM739749	196.85	39.688	3.5	3.57	LM739710	257.175	30.162	3.3	1.74	39.688
LM742745	212.725	46.038	3.5	5.69	LM742710	285.75	34.925	3.3	2.38	85.42
LM742749	215.9	46.038	3.5	5.31						
HM803145	41.25	29.37	0.8	0.59	HM803110	88.9	23.02	3.3	0.31	30.162
HM803146	41.275	29.37	3.5	0.58	HM803111	88.9	23.02	0.8	0.32	30.162
HM803149	44.45	29.37	3.5	0.53	HM803112	92.075	23.02	3.3	0.39	30.162
M802048	41.275	25.654	3.5		M802011	82.55	20.193	3.3	0.22	26.543
HM803145	41.275	29.37	0.8	0.59	HM803110	88.9	23.02	3.3	0.31	30.162
HM813146	41.275	29.37	3.5	0.58	HM813111	88.9	23.02	0.8	0.32	30.162
HM813149	44.45	29.37	3.5	0.53	HM803112	92.075	23.02	3.3	0.39	30.162
M804049	47.625	25.4	3.5	0.44	M804010	88.9	19.05	3.3	0.22	25.4
HM804840	41.275	29.37	3.5	0.72	HM804810	95.25	23.02	3.3	0.35	30.163
HM804849	48.412	29.37	3.5	0.6	HM804811	95.25	23.02	0.8	0.36	30.163
LM806349C	53.975	20.244	2.5	0.32	LM806310	88.9	14.684	2	0.14	20.241
LM806649	53.975	19.05	2.3	0.29	LM806610	88.9	13.492	2	0.13	19.05
HM807040	44.45	36.512	3.5	1.14	HM807010	104.775	28.575	3.3	0.5	36.512
HM807046	50.8	36.512	3.5	1.01	HM807011	104.775	28.575	0.8	0.5	36.512
HM807049	53.975	36.512	3.5	0.94						
L812148	66.675	17.602	1.5	0.38	L812111	103.213	11.989	0.8	0.13	17.247
JLM813049	70	25	1	0.59	JLM813010	110	20.5	2.5	0.3	26
HM813840	55.562	36.512	3.5	1.7	HM813810	127	26.988	3.3	0.62	36.512
HM813849	71.438	36.512	3.5	1.25						

HH814542	60.325	52.705	3.5	3.28	HH814510	152.4	41.275	3.3	1.74	53.975
L814749	76.2	19.05	1.5	0.4	L814710	109.538	15.083	1.5	0.2	19.05
LM814849	77.788	25.4	3.5	0.61	LM814810	117.475	19.05	3.3	0.29	25.4
JL819349	95	20	5	0.58	JL819310	135	14	2.5	0.26	20
JL820048	100	30	2.3	1.14	JL820012	150	26	2.3	0.67	32
JM822049	110	35	3	1.63	JM822010	165	26.5	2.5	0.83	35
JHM840449	200	62	3.5	10.39	JHM840410	300	51	2.5	5.15	65
LM844049	223.838	46.038	3.5	5.57	LM844010	295.275	34.925	3.3	2.56	46.038
LL889049	1270	65.088	6.4		LL889010	1435.1	47.625	6.4	40.68	69.85
HM903249	44.45	28.575	3.5	0.63	HM903210	95.25	22.225	0.8	0.38	30.958
M903345	41.275	23.812	3.5	0.55	M903310	92.075	16.67	1.5	0.24	26.195
HM905843	44.988	31.75	2.5	0.89	HM905810	104.986	23.368	2.5	0.49	32.512
HM907639	47.625	28.575	3.5	0.91	HM907614	111.125	20.638	3.3	0.5	30.163
L910349	63.487	15.5	1		L910310	94.976	12	1	0.14	17
HM911242	53.975	33.338	3.5	1.55	HM911210	130.175	23.812	3.3	0.67	36.513
HM911245	60.325	33.338	5	1.39	JHM911211	130	22.649	3.3	0.65	36.512
HM911249	61.912	33.338	3.5	1.36	HM911210	130.175	23.812	3.3	0.77	36.512
JM913740	50	31	2.5	3.36	JM913715D	140	42	0.8	1.73	70
H913842	61.912	39.688	3.5	2.23	H913810	146.05	25.4	3.3	0.88	41.275
H913849	69.85	39.688	3.5	1.97	JH913811	150	25.4	3.3	1.07	41.275
EL914049	76.2	9.525	1.3	0.14	EL914010	98.425	7.145	1.3	0.07	11.112
HH914449	66.675	53.975	3.5	4.23	HH914412	117.8	37.308	3.3	2.51	57.15
HM914545	69.85	33.338	4	1.67	HM914510	146.05	23.812	3.3	0.89	36.512
H914841	68.262	46.038	3.5	2.89	H914811	152.4	35.1	3.3	1.53	47.626
H916642	69.987	53.183	3.3	4.17	H916610	176.212	36.512	3.3	2.22	54.77
H917849	82.55	53.183	3.3	4.06	H917810	180.975	35.72	3.3	2.16	53.975
H919049	89.98	30.162	2	3.63	M919010D	161.9	44.45	1.5	1.8	69.85
H919942	84.138	49	6.4	4.66	H919911	193.675	34.498	6.4	2.34	52
LM921845	101.6	31.75	3.3	2.21	LM921810	177.8	19.05	3.3	0.86	34.925
HH923649	101.6	73.025	6.4	11.13	HH923610	250.825	50.8	6.4	6.35	76.2
H924045	111.125	52.388	3.5	5.63	H924010	214.312	39.688	3.3	2.79	55.562
HH924349	111.125	71.438	6.4	19.84	HH924310D	241.3	107.95	1.5	11.1	158.75
HH926749	120.65	82.55	6.4	15.04	HH926710	273.05	53.975	6.4	6.96	82.55
HM926740	114.3	49.428	3.5	6.89	HM926710	228.6	38.1	3.3	2.78	53.975
HM926749	127.792	49.428	3.5	5.9	HM911210	130.175	23.812	3.3	0.77	36.512