

基本尺寸(mm)				基本额定载荷(kN)					轴承型号			尺寸(mm)				质量(kg)
d	D	T	B	动载	系数	Y1	Y2	系数	内圈	外圈	隔圈	最大轴肩倒角	轴肩直径	最大挡肩角半	挡肩直径	参考
				C1	e			K				R	Db	r	Ds	
				Refer.												
11.987	30.48	25.4	21.26	18260	0.41	1.67	2.48	1.44	A2047	A2120D	R800003	0.8	16.5	0.0	28.0	0.08
14.987	34.987	25.174	20.638	20988	0.45	1.49	2.22	1.29	A4059	A4138D	X6SA4059	0.8	19.5	0.6	31.5	0.12
16.993	47	31.75	25.212	42626	0.36	1.89	2.82	1.64	95066	05185D	X1S-05066	1.5	24.5	0.8	42.5	0.28
19.05	47	31.75	25.212	42626	0.36	1.89	2.82	1.64	05075	05185D	X3S-05075	1.3	25.0	0.8	42.5	0.26
19.05	57.15	49.212	36.512	74301	0.59	1.14	1.7	0.99	21075	21226D	X1S-21075	1.5	31.5	0.8	51.0	0.65
19.987	45.984	31.75	25.212	42669	0.36	1.89	2.82	1.64	05079	05180D		1.5	26.5	0.8	42.0	0.26
19.987	47	31.75	25.212	42669	0.36	1.89	2.82	1.64	05079	05185D	X1S-05079	1.5	26.5	0.8	42.5	0.26
20	50.005	33.34	25.4	46290	0.4	1.68	2.5	1.45	07079	07196D	X1S-07079	1.5	27.5	0.6	46.5	0.32
23.812	71.438	42.862	36.512	93658	0.36	1.87	2.79	1.62	26093	26282D		2.3	35.0	0.4	65.0	0.88
23.812	71.975	42.761	36.512	94037	0.36	1.87	2.79	1.62	26093	26284D		2.3	35.0	0.8	65.0	0.9
24.384	80.962	55.562	39.688	124125	0.67	1.01	1.5	0.87	43096	43319D	X1S-43096	0.8	40.5	1.5	74.0	1.43
24.981	50.005	33.34	25.4	46525	0.4	1.68	2.5	1.45	07098	07196D	X1S-07097	1.5	31.0	0.6	46.5	0.28
24.981	62	39.688	36.258	69142	0.38	1.77	2.63	1.53	17098	17245D	X1S-17098	1.5	33.0	0.8	57.0	0.6
25	50.005	33.34	25.4	46290	0.4	1.68	2.5	1.45	07097	07196D	X1S-07097	1.5	31.0	0.6	46.5	0.28
25	62	39.688	36.258	68933	0.38	1.77	2.63	1.53	17098X	17245D	X1S-17098	1.5	33.0	0.8	57.0	0.6
25.4	50.005	33.34	25.4	46478	0.4	1.68	2.5	1.45	07100-S	07196D	X1S-07100	1.5	31.5	0.6	46.5	0.27
25.4	50.005	33.34	25.4	46290	0.4	1.68	2.5	1.45	07100-SA	07196D	X1S-07100	3.3	35.0	0.6	46.5	0.27
25.4	63.5	46.038	36.512	80423	0.35	1.93	2.87	1.67	15100	15251D		3.5	38.0	0.8	59.0	0.69
25.4	63.5	46.038	36.512	80667	0.35	1.93	2.87	1.67	15100-S	15251D	X1S-15101	1.3	33.5	0.8	59.0	0.72
25.4	63.5	46.038	36.512	80830	0.35	1.93	2.87	1.67	15101	15251D	X1S-15101	0.8	32.5	0.8	59.0	0.72
25.4	71.438	42.862	36.512	93469	0.36	1.87	2.79	1.62	26100	26282D	X1S-26100	1.5	34.5	0.4	65.0	0.87
25.4	71.975	42.761	36.512	93564	0.36	1.87	2.79	1.62	26100	26284D		1.5	35.5	0.8	65.0	0.88
28.575	63.5	46.038	36.512	80423	0.35	1.93	2.87	1.67	15112	15251D	X1S-15112	3.5	40.0	0.8	59.0	0.66
28.575	66.421	44.453	38.1	89199	0.34	1.99	2.96	1.72	24112	24262D		1.5	36.0	0.8	61.0	0.7
28.575	69.85	66.675	57.15	134055	0.27	2.47	3.67	2.14	2578	2524YD		2.3	39.0	0.8	64.0	1.19
28.575	71.438	42.862	36.512	93753	0.36	1.87	2.79	1.62	26112	26282D		1.5	37.0	0.4	65.0	0.83
28.575	71.975	42.761	36.512	93658	0.36	1.87	2.79	1.62	26112	26284D		1.5	37.0	0.8	65.0	0.84
28.575	76.2	47.625	38.1	104834	0.45	1.49	2.21	1.29	02872	02823D	X1S-02872	0.8	37.5	0.8	70.0	1.13
28.575	80.962	55.562	39.688	123875	0.67	1.01	1.5	0.87	43112	43319D	X1S-43112	0.8	42.5	1.5	74.0	1.37
29.987	62	39.688	36.258	69212	0.38	1.77	2.63	1.53	17118	17245D	X1S-17118	1.5	37.0	0.8	57.0	0.54
29.987	63.5	46.038	36.512	80342	0.35	1.93	2.87	1.67	15117	15251D	X1S-15117	1.3	36.5	0.8	59.0	0.65
29.987	71.438	42.862	36.512	93658	0.36	1.87	2.79	1.62	26118	26282D	X2S-26118	1.5	38.0	0.4	65.0	0.81
29.987	71.975	42.761	36.512	93753	0.36	1.87	2.79	1.62	26118	26284D	X1S-26118	1.5	38.0	0.8	65.0	0.84
29.987	80.962	55.562	39.688	123625	0.67	1.01	1.5	0.87	43117	43319D		1.5	44.5	1.5	74.0	1.31
30	69.012	46.04	38.1	87384	0.38	1.77	2.63	1.53	14117A	14276D	X1S-14117A	3.5	43.0	0.8	63.0	0.79
30	69.012	46.04	38.1	87208	0.38	1.77	2.63	1.53	14118	14276D	X1S-14117A	0.8	37.0	0.8	63.0	0.79
30.162	58.738	32.542	24.608	50589	0.47	1.42	2.12	1.23	08118	08231D	X1S-08118	3.5	41.5	0.4	55.0	0.37
30.162	62	39.688	36.258	68864	0.38	1.77	2.63	1.53	17119	17245D	X4S-17119	1.5	37.0	0.8	57.0	0.53
30.162	66.421	44.453	38.1	89019	0.34	1.99	2.96	1.72	24118	24262D	X1S-24118	1.5	37.5	0.8	61.0	0.69
30.162	69.85	66.675	57.15	133245	0.27	2.47	3.67	2.14	2558	2524YD		2.3	40.0	0.8	64.0	1.16
30.162	80.035	46.04	34.925	100776	0.4	1.68	2.5	1.45	28118	28318D		1.5	40.0	0.8	73.0	1.1
30.162	80.962	55.562	39.688	123625	0.67	1.01	1.5	0.87	43118	43319D	X1S-43118	1.5	45.0	1.5	74.0	1.33
30.213	63.5	46.038	36.512	80667	0.35	1.93	2.87	1.67	15118	15251D		3.5	41.5	0.8	59.0	0.62
30.213	63.5	46.038	36.512	80586	0.35	1.93	2.87	1.67	15119	15251D	X1S-15118	1.5	37.5	0.8	59.0	0.65
31.75	58.738	32.542	24.608	50691	0.47	1.42	2.12	1.23	08125	08231D	X6S-08125	1.0	37.5	0.4	55.0	0.36
31.75	63.5	44.259	36.512	80586	0.35	1.93	2.87	1.67	15123	15251D	X1S-15123	0.0	42.5	0.8	59.0	0.59
31.75	63.5	46.038	36.512	80342	0.35	1.93	2.87	1.67	15125	15251D	X1S-15125	3.5	42.5	0.8	59.0	0.61
31.75	63.5	46.038	36.512	80423	0.35	1.93	2.87	1.67	15126	15251D	X1S-15126	0.8	37.0	0.8	59.0	0.62
31.75	69.012	46.04	38.1	87384	0.38	1.77	2.63	1.53	14125A	14276D	X1S-14125A	3.5	44.5	0.8	63.0	0.76
31.75	69.85	66.675	57.15	133785	0.27	2.47	3.67	2.14	2580	2524YD	X2S-2580	0.8	38.5	0.8	64.0	1.18
31.75	69.85	66.675	57.15	133245	0.27	2.47	3.67	2.14	2582	2524YD		3.5	44	0.8	64	1.13
31.75	76.2	47.625	38.1	105152	0.45	1.49	2.21	1.29	2875	02823D	X3S-	3.5	45.5	0.8	70	1.05
31.75	76.2	47.625	38.1	104940	0.45	1.49	2.21	1.29	2876	02823D	X1S-	0.8	40	0.8	70	1.06
31.75	80.962	55.562	39.688	123500	0.67	1.01	1.5	0.87	43125	43319D		1.5	44	1.5	74	1.31
31.75	82.55	66.678	55.562	167310	0.37	1.85	2.75	1.6	3476	3423D	X1S-3476	1.3	43	0.8	75	1.84
32.004	71.438	42.862	36.512	93753	0.36	1.87	2.79	1.62	26126	26282D		1.5	39.5	0.4	65	0.78
32.004	71.975	42.761	36.512	93658	0.36	1.87	2.79	1.62	26126	26284D		1.5	39.5	0.8	65	0.79
33.338	69.012	46.04	38.1	87208	0.38	1.77	2.63	1.53	14131	14276D	X1S-14131	0.8	40.5	0.8	63	0.74
33.338	69.85	66.675	57.15	133650	0.27	2.47	3.67	2.14	2581	2523D		0.8	39.5	0.8	64	1.1
33.338	69.85	66.675	57.15	133785	0.27	2.47	3.67	2.14	2581	2524YD		0.8	39.5	0.8	64	1.1
33.338	69.85	66.675	57.15	133650	0.27	2.47	3.67	2.14	2585	2523D	X1S-2585	3.5	45	0.8	64	1.13
33.338	69.85	66.675	57.15	133515	0.27	2.47	3.67	2.14	2585	2524YD		3.5	45	0.8	64	1.09
33.338	71.438	42.862	36.512	93848	0.36	1.87	2.79	1.62	26131	26282D	X1S-	3.5	44.5	0.4	65	0.76
33.338	71.438	42.862	36.512	93469	0.36	1.87	2.79	1.62	26132	26282D		1.5	40.5	0.4	65	0.76
33.338	71.975	42.761	36.512	93942	0.36	1.87	2.79	1.62	26131	26284D	X1S-	3.5	44.5	0.8	65	0.78
33.338	71.975	42.761	36.512	93658	0.36	1.87	2.79	1.62	26132	26284D		1.5	40.5	0.8	65	0.77
33.338	73.025	42.862	35.522	85100	0.51	1.33	1.98	1.15	25132	25289D	X1S-25132	2.3	43.5	0.8	66.5	0.87
33.338	80.962	55.562	39.688	124125	0.67	1.01	1.5	0.87	43131	43319D	X1S-43131	3.5	51	1.5	74	1.26
33.338	80.962	55.562	39.688	124125	0.67	1.01	1.5	0.87	43132	43319D	X1S-43131	2	48	1.5	74	1.27
34.925	69.012	46.04	38.1	86856	0.38	1.77	2.63	1.53	14137A	14276D	X2S-14137	1.5	43	0.8	63	0.71
34.925	69.012	46.04	38.1	87296	0.38	1.77	2.63	1.53	14138A	14276D	X2S-14137	3.5	47	0.8	63	0.71
34.925	76.2	47.625	38.1	104834	0.45	1.49	2.21	1.29	2877	02823D	X1S-02877	3.5	48.5	0.8	70	1
34.925	76.2	47.625	38.1	104728	0.45	1.49	2.21	1.29	2878	02823D	X1S-02877	0.8	4			

38.1	95.25	61.915	50.8	203565	0.28	2.37	3.53	2.05	444	432D		3.5	52	0.8	87	2.18
38.1	95.25	63.5	52.385	206283	0.33	2.05	3.05	1.77	33880	33821D	X1S-33880	3.5	54	0.8	90	2.25
38.1	95.25	65.088	44.45	158907	0.74	0.91	1.36	0.79	53150	53376D	X2S-53150	1.5	55	0.8	89	2.11
38.1	111.125	79.375	63.5	273953	0.3	2.28	3.39	1.97	542	533D	X1S-542	3.5	55	1.5	100	3.98
38.481	63.5	38.1	31.75	43274	0.35	1.95	2.9	1.69	13890	13835D	X1S-13890	0.4	43.0	0.4		0.41
39.688	92.075	55.562	39.688	134504	0.78	0.86	1.29	0.75	44156	44363D	X1S-44156	2.3	56.0	1.5		1.6
39.688	92.075	55.562	39.688	134368	0.78	0.86	1.29	0.75	44158	44363D		3.5	58.0	1.5		1.59
39.98	80.035	43.459	34.925	100878	0.4	1.68	2.5	1.45	28156	28318D		2.3	49.0	0.8		0.9
39.98	80.035	46.04	34.925	100674	0.4	1.68	2.5	1.45	28159	28318D	X1S-	3.5	52.0	0.8		0.94
40	80.035	46.04	34.925	101082	0.4	1.68	2.5	1.45	28158	28318D	X2S-28158	1.5	47.5	0.8		0.95
40	90.119	50.795	44.45	130812	0.31	2.2	3.28	1.91	350	353D		4.0	54.0	0.8		1.46
40	90.119	50.795	44.45	130284	0.31	2.2	3.28	1.91	350	353DC	X1S-357	4.0	54.0	0.8		1.52
40	90.119	50.795	44.45	130284	0.31	2.2	3.28	1.91	350A	353D	X1S-357	0.8	47.5	0.8	82.0	1.54
40	90.119	50.795	44.45	130548	0.31	2.2	3.28	1.91	357	353D	X1S-357	2.3	51.0	0.8	82.0	1.53
40	92.075	55.562	39.688	134504	0.78	0.86	1.29	0.75	44157	44363D		2.3	56.0	1.5	85.0	1.59
40	95.25	61.915	50.8	202335	0.28	2.37	3.53	2.05	442	432D		3.5	54.0	0.8	87.0	2.12
41.275	76.2	49.212	39.688	120414	0.39	1.72	2.56	1.49	24780	24720D		3.5	54.0	0.8	72.0	0.93
41.275	76.2	49.212	39.688	121024	0.39	1.72	2.56	1.49	24780	24720XD		3.5	54.0	0.8	72.0	0.91
41.275	90	50.01	42.07	137034	0.32	2.11	3.14	1.83	365A		X1S-365A	3.5	55.0	0.8	84.0	1.41
41.275	92.075	55.562	39.688	134232	0.78	0.86	1.29	0.75	44162	44363D	X2S-44162	2.3	57.0	1.5	85.0	1.59
41.275	95.25	61.915	50.8	202745	0.28	2.37	3.53	2.05	447	432D	X1S-447	3.5	55.0	0.8	87.0	2.11
41.275	95.25	65.088	44.45	159229	0.74	0.91	1.36	0.79	53162	53376D		1.5	57.0	0.8	89.0	1.96
41.275	107.95	65.09	53.975	216810	0.34	2.01	3	1.74	464	452D	X1S-464	2.3	56.0	0.8	100.0	3.08
41.275	111.125	79.375	63.5	274230	0.3	2.28	3.39	1.97	541	533D		3.5	58.0	1.5	100.0	3.86
42.85	107.95	65.09	53.975	216810	0.34	2.01	3	1.74	461	452D		0.8	54.0	0.8	100.0	2.97
42.862	82.55	44.45	34.925	103635	0.43	1.57	2.34	1.36	22168	22325D	X2S-22168	2.3	52.0	0.8	76.0	1.01
42.862	82.931	57.15	47.625	144102	0.33	2.02	3	1.74	25578	25520D	X1S-25578	2.3	53.0	0.8	77.0	1.33
44.45	79.375	41.272	33.338	82711	0.37	1.8	2.69	1.56	18685	18620D	X2S-18685	2.8	54.0	0.8	74.0	0.78
44.45	82.931	57.15	47.625	144540	0.33	2.02	3	1.74	25580	25520DC	X1S-25581	3.5	57.0	0.8	77.0	1.31
44.45	82.931	57.15	47.625	144102	0.33	2.02	3	1.74	25580	25520D	X3S-25580	3.5	57.0	0.8	77.0	1.31
44.45	82.931	57.15	47.625	144978	0.33	2.02	3	1.74	25581	25520D	X1S-25581	0.5	51.0	0.8	77.0	1.32
44.45	90.119	50.795	44.45	130812	0.31	2.2	3.28	1.91	355		X3S-355	2.3	54.0	0.8	82.0	1.41
44.45	90.119	50.795	44.45	130680	0.31	2.2	3.28	1.91	355A		X2S-355	0.8	51.0	0.8	82.0	1.41
44.45	90.119	50.795	44.45	130284	0.31	2.2	3.28	1.91	355X	353D		3.5	65	0.8	82	1.73
44.45	90.119	50.795	44.45	130548	0.31	2.2	3.28	1.91	355X	353DC	X3S-355	3.5	56.0	0.8	82.0	1.37
44.45	93.264	65.088	52.388	194833	0.34	1.99	2.97	1.73	3782	3729D	X1S-3782	3.5	58.0	0.8	88.0	2.06
44.45	95.25	61.915	50.8	202540	0.28	2.37	3.53	2.05	435	432D	R800002	0.8	52.0	0.8	87.0	2
44.45	95.25	61.915	50.8	203565	0.28	2.37	3.53	2.05	438	432D	R800002	3.5	57.0	0.8	87.0	1.98
44.45	95.25	63.5	52.385	206701	0.33	2.05	3.05	1.77	33885	33821D	X1S-33885	0.8	53.0	0.8	90.0	2.12
44.45	95.25	65.088	44.45	159551	0.74	0.91	1.36	0.79	53176	53376D		1.3	59.0	0.8	89.0	1.9
44.45	95.25	65.088	44.45	159712	0.74	0.91	1.36	0.79	53177	53376D	X2S-53176	3.5	63.0	0.8	89.0	1.88
44.45	95.25	65.088	44.45	159390	0.74	0.91	1.36	0.79	53178	53376D	X2S-53176	2.0	60.0	0.8	89.0	1.89
44.45	107.95	65.09	53.975	217467	0.34	2.01	3	1.74	460	452D		3.5	60.0	0.8	100.0	2.91
44.45	111.125	79.375	63.5	273953	0.3	2.28	3.39	1.97	535	533D		3.5	60.0	1.5	100.0	3.74
44.45	112.712	65.088	46.038	169936	0.88	0.76	1.14	0.66	55175	55444D	X2S-55176	3.5	67.0	1.5	105.0	3.03
44.983	82.931	57.15	47.625	144978	0.33	2.02	3	1.74	25584	25520D	X1S-25584	1.5	53.0	0.8	77.0	1.3
44.983	93.264	65.088	52.388	195227	0.34	1.99	2.97	1.73	3776	3729D	X1S-3776	3.5	59.0	0.8	88.0	2.03
45	90	50.01	42.07	136482	0.32	2.11	3.14	1.83	367	363D	X3S-367	2.0	55.0	0.8	84.0	1.34
45	90.119	50.795	44.45	130812	0.31	2.2	3.28	1.91	358	353D	X2S-358	1.5	53.0	0.8	82.0	1.4
45	90.119	50.795	44.45	130548	0.31	2.2	3.28	1.91	358A	353D	X1S-358	3.5	57.0	0.8	82.0	1.39
45	100	50.8	39.69	140580	0.34	1.99	2.97	1.73	376X	372D		2.0	56.0	0.8	90.0	1.76
45.618	82.931	57.15	47.625	144686	0.33	2.02	3	1.74	25590	25520D	X1S-25590	3.5	58.0	0.8	77.0	1.27
46.038	79.375	41.272	33.338	82794	0.37	1.8	2.69	1.56	18690	18620DC	X1S-18690	2.8	56.0	0.8	74.0	0.74
46.038	79.375	41.272	33.338	83130	0.37	1.8	2.69	1.56	18690	18620D	X2S-18690	2.8	56.0	0.8	74.0	0.74
46.038	90.119	50.795	44.45	130812	0.31	2.2	3.28	1.91	359A	353D		3.5	57	0.8	82	1.33
46.038	90.119	50.795	44.45	131076	0.31	2.2	3.28	1.91	359	353D		2.3	55	0.8	82	1.36
46.038	95.25	61.915	50.8	203565	0.28	2.37	3.53	2.05	436	432D		3.5	59	0.8	87	1.95
47.625	90	50.01	42.07	136896	0.32	2.11	3.14	1.83	369A	363D		3.5	60	0.8	84	1.26
47.625	90	50.01	42.07	136758	0.32	2.11	3.14	1.83	369	363D		2.3	57	0.8	84	1.27
47.625	93.264	65.088	52.388	195424	0.34	1.99	2.97	1.73	3778	3729D		6.4	67	0.8	88	1.88
47.625	93.264	65.088	52.388	195621	0.34	1.99	2.97	1.73	3779	3729D		3.5	61	0.8	88	1.94
47.625	100	49.2	39.675	145677	0.35	1.91	2.84	1.65	386A	384ED		0.8	56	0.8	93	1.75
47.625	100	52.388	42.862	145383	0.35	1.91	2.84	1.65	386A	384D		0.8	56	0.8	93	1.84
47.625	107.95	65.09	53.975	216591	0.34	2.01	3	1.74	463	452D		4.8	65	0.8	100	2.79
47.625	107.95	65.09	53.975	216372	0.34	2.01	3	1.74	467	452D		0.8	57	0.8	100	2.89
47.625	109.982	63.5	42.865	170624	0.88	0.76	1.14	0.66	55187	55433D		3.5	69	0.5	105	2.77
47.625	111.125	79.375	63.5	273953	0.3	2.28	3.39	1.97	536	533D		3.5	62	1.5	100	3.6
47.625	112.712	65.088	46.038	170452	0.88	0.76	1.14	0.66	55187	55444D		3.5	69	1.5	105	2.91
47.625	117.475	73.025	53.975	237840	0.63	1.08	1.6	0.93	66187	66462D		3.5	69	0.8	111	3.77
47.625	123.825	77.788	55.562	262542	0.74	0.92	1.36	0.79	72187	72488D		3.5	72	1.5	115	4.36
49.212	93.264	65.088	52.388	195030	0.34	1.99	2.97	1.73	3781	3729D		3.5	62	0.8	88	1.88
49.212	111.125	79.375	63.5	274507	0.3	2.28	3.39	1.97	545	533D		3.5	64	1.5	100	3.53
49.975	109.982	63.5	42.865	170108	0.88	0.76	1.14	0.66	55197	55433D		2	68	0.5	105	2.69
49.975	112.712	65.088	46.038	170624	0.88	0.76	1.14	0.66	55197	55444D		2	68	1.5	105	2.83
49.982	111.125	79.375	63.5	274507	0.3	2.28	3.39	1.97	546	533D		3.5	65	1.5	100	3.5
50	90	50.01	42.07	136758	0.32	2.11	3.14	1.83	365	363D		2	58	0.8	84	1.2
50	90	50.01	42.07	136758	0.32	2.11	3.14	1.83	366	363DC		2.3	59	0.8	84	1.24

50.8	123.825	77.785	55.562	288381	0.74	0.92	1.36	0.79	72200C	72488D		3.5	77	1.5	115	4.34
50.8	123.825	79.375	63.5	304237	0.35	1.95	2.9	1.69	555	552D		2.3	66	1.5	115	4.77
51.592	90	50.01	42.07	137034	0.32	2.11	3.14	1.83	368-S	363D		2	59	0.8	84	1.15
52.388	93.264	65.088	52.388	195030	0.34	1.99	2.97	1.73	3767	3729D	X1S-3767	2.3	63	0.8	88	1.77
52.388	95.25	63.5	52.385	207328	0.33	2.05	3.05	1.77	33890	33821D	X1S-33890	1.5	61	0.8	90	1.82
52.388	95.25	63.5	52.385	207119	0.33	2.05	3.05	1.77	33891	33821D	X1S-33890	3.5	66	0.8	90	1.8
52.388	107.95	65.09	53.975	216372	0.34	2.01	3	1.74	468	452D	X1S-468	1.5	62	0.8	100	2.64
52.388	109.982	63.5	42.865	169936	0.88	0.76	1.14	0.66	55206	55433D	X2S-55206	3.5	72	0.5	105	2.6
52.388	111.125	79.375	63.5	273399	0.3	2.28	3.39	1.97	540	533D		3.5	67	1.5	100	3.39
52.388	112.712	65.088	46.038	169936	0.88	0.76	1.14	0.66	55206	55444D	X1S-	3.5	72	1.5	105	2.71
53.975	95.25	63.5	52.385	206910	0.33	2.05	3.05	1.77	33895	33821D	X2S-33895	1.5	63	0.8	90	1.74
53.975	100	49.2	39.675	145677	0.35	1.91	2.84	1.65	389A	384ED	X2S-389A	0.8	61	0.8	93	1.55
53.975	100	52.388	42.862	145383	0.35	1.91	2.84	1.65	389A	384D	X1S-389A	0.8	61	0.8	93	1.66
53.975	107.95	65.09	53.975	216591	0.34	2.01	3	1.74	456	452DC	X1S-456	3.5	68	0.8	100	2.57
53.975	107.95	65.09	53.975	217248	0.34	2.01	3	1.74	456	452D		3.5	68	0.8	100	2.61
53.975	111.125	79.375	63.5	274784	0.3	2.28	3.39	1.97	539	533D	X2S-539	3.5	68	1.5	100	3.35
53.975	117.475	73.025	53.975	238320	0.63	1.08	1.6	0.93	66212	66462D	X1S-66212	3.5	73	0.8	111	3.57
53.975	123.825	79.375	63.5	303009	0.35	1.95	2.9	1.69	557-S	552D	X1S-557-S	3.5	71	1.5	115	4.64
53.975	136.525	95.25	76.2	372992	0.36	1.86	2.78	1.61	636	632D		3.5	73	1.5	125	6.71
53.975	139.7	77.79	51.803	318780	0.87	0.78	1.16	0.67	78215C	78549D	X1S-78215	3.5	84	1.5	131	5.84
54.987	107.95	65.09	53.975	217248	0.34	2.01	3	1.74	466	452D	X1S-466	2.3	66	0.8	100	2.57
55	100	49.2	39.675	145383	0.35	1.91	2.84	1.65	385	384EDC	X4S-385	2.3	65	0.8	93	1.5
55	100	49.2	39.675	145824	0.35	1.91	2.84	1.65	385	384ED	X4S-385	2.3	65	0.8	93	1.5
55	100	49.2	39.675	145971	0.35	1.91	2.84	1.65	385X	384ED	X4S-385	3.5	67	0.8	93	1.49
55	100	52.388	42.862	145971	0.35	1.91	2.84	1.65	385	384D	X1S-385	2.3	65	0.8	93	1.61
55	100	52.388	42.862	145824	0.35	1.91	2.84	1.65	385X	384D	X1S-385	3.5	67	0.8	93	1.6
55	120	65.09	53.975	229383	0.38	1.75	2.61	1.52	475	472DC	X1S-475	0.8	67	0.8	114	3.65
55	120	65.09	53.975	229383	0.38	1.75	2.61	1.52	475	472D	X1S-475	0.8	67	0.8	114	3.65
55.562	107.95	65.09	53.975	216153	0.34	2.01	3	1.74	466-S	452DC		2.3	66	0.8	100	2.52
55.562	107.95	65.09	53.975	216591	0.34	2.01	3	1.74	466-S	452DC	X1S-466-S	2.3	66	0.8	100	2.56
55.575	100	49.2	39.675	145677	0.35	1.91	2.84	1.65	389	384ED	X2S-389	2.3	65	0.8	93	1.49
57.15	92.075	42.07	34.13	99889	0.39	1.74	2.59	1.5	L507949	L507914D	L507949XS	1.5	65	0.8	86	1.08
57.15	100	49.2	39.675	145677	0.35	1.91	2.84	1.65	387	384ED	X2S-387	2.3	66	0.8	93	1.44
57.15	100	49.2	39.675	145089	0.35	1.91	2.84	1.65	387A	384EDC	X1S-387	3.5	69	0.8	93	1.43
57.15	100	49.2	39.675	145677	0.35	1.91	2.84	1.65	387A	384ED	X1S-387	3.5	69	0.8	93	1.43
57.15	100	49.2	39.675	145089	0.35	1.91	2.84	1.65	387AS	384ED	X1S-387	5	72	0.8	93	1.41
57.15	100	49.2	39.675	145236	0.35	1.91	2.84	1.65	387-S	384ED	X1S-387	0.8	63	0.8	93	1.45
57.15	100	52.388	42.862	145383	0.35	1.91	2.84	1.65	387	384D	X1S-387A	2.3	66	0.8	93	1.54
57.15	100	52.388	42.862	145236	0.35	1.91	2.84	1.65	387A	384D	X1S-387A	3.5	69	0.8	93	1.53
57.15	100	52.388	42.862	145824	0.35	1.91	2.84	1.65	387AS	384D	X1S-387A	5	72	0.8	93	1.51
57.15	100	52.388	42.862	145236	0.35	1.91	2.84	1.65	387-S	384DC	X1S-387A	0.8	63	0.8	93	1.55
57.15	100	52.388	42.862	145089	0.35	1.91	2.84	1.65	387-S	384D	X1S-387A	0.8	63	0.8	93	1.55
57.15	100	105.131	95.606	145530	0.35	1.91	2.84	1.65	387A	384XD	X4S-387A	3.5	69	0.8	94	2.9
57.15	107.95	65.09	53.975	216153	0.34	2.01	3	1.74	462	452DC	X2S-462	2.3	67	0.8	100	2.51
57.15	107.95	65.09	53.975	216591	0.34	2.01	3	1.74	462	452D	X2S-469	2.3	67	0.8	100	2.51
57.15	107.95	65.09	53.975	217248	0.34	2.01	3	1.74	469	452D	X2S-469	3.5	70	0.8	100	2.5
57.15	110	52.388	46.038	157887	0.4	1.68	2.5	1.45	390	394D	X2S-390	2.3	70	0.8	104.5	2.12
57.15	114.287	58.738	46.038	176042	0.49	1.38	2.06	1.2	29665	29622D	X1S-29665	3.5	75	0.8	109	2.71
57.15	117.475	73.025	53.975	236880	0.63	1.08	1.6	0.93	66225	66462D	X1S-66225	3.5	76	0.8	111	3.34
57.15	123.825	77.785	55.562	287799	0.74	0.92	1.36	0.79	72225C	72488D	X1S-72225	3.5	81	1.5	115	4.15
57.15	123.825	79.375	63.5	304544	0.35	1.95	2.9	1.69	555-S	552D	X1S-555-S	3.5	73	1.5	115	4.47
57.15	136.525	95.25	76.2	371864	0.36	1.86	2.78	1.61	635	632D	X1S-635	3.5	75	1.5	125	6.77
57.15	139.7	77.788	51.803	272688	0.87	0.78	1.16	0.67	78225	78549D	X2S-78225	3.5	83	1.5	131	5.41
57.531	100	49.2	39.675	145089	0.35	1.91	2.84	1.65	388A	384ED	X2S-388A	3.5	69	0.8	93	1.46
57.531	100	52.388	42.862	145530	0.35	1.91	2.84	1.65	388A	384D	X1S-388A	3.5	69	0.8	93	1.51
59.972	129.982	69.85	47.625	246759	0.67	1.01	1.51	0.88	66589	66522D	X1S-66585	0.8	74	0.8	118	3.94
59.977	100	55.56	44.45	169119	0.43	1.59	2.36	1.37	28980	28921D	X2S-28980	3.5	73	0.8	96	1.66
59.987	123.825	79.375	63.5	304237	0.35	1.95	2.9	1.69	558-S	552D	X1S-558	3.5	75	1.5	115	4.31
60	110	52.388	46.038	157410	0.4	1.68	2.5	1.45	397	394DC	X1S-397	0.8	69	0.8	104.5	2.01
60	110	52.388	46.038	157569	0.4	1.68	2.5	1.45	397	394D	X1S-397	0.8	69	0.8	104.5	2.01
60	120	65.09	53.975	228921	0.38	1.75	2.61	1.52	476	472D	X1S-476	2	73	0.8	114	3.42
60	129.982	69.85	47.625	246510	0.67	1.01	1.51	0.88	66585	66522D	X1S-	3.5	79	0.8	118	3.92
60.325	100	55.56	44.45	169290	0.43	1.59	2.36	1.37	28985	28921DC	X2S-28985	3.5	73	0.8	96	1.65
60.325	100	55.56	44.45	169803	0.43	1.59	2.36	1.37	28985	28921D	X3S-28985	3.5	73	0.8	96	1.65
60.325	123.825	79.375	63.5	303009	0.35	1.95	2.9	1.69	558	552DC	X1S-558	2.3	73	1.5	115	4.31
60.325	123.825	79.375	63.5	304851	0.35	1.95	2.9	1.69	558	552D	X1S-558	2.3	73	1.5	115	4.31
60.325	123.825	79.375	63.5	303316	0.35	1.95	2.9	1.69	558A	552D	X1S-558	3.5	76	1.5	115	4.29
60.325	136.525	95.25	76.2	373368	0.36	1.86	2.78	1.61	637	632D	X1S-637	3.5	78	1.5	125	6.55
61.912	110	52.388	46.038	157092	0.4	1.68	2.5	1.45	397	394D	X1S-397	0.8	70	0.8	104.5	1.97
61.912	123.825	79.375	63.5	303623	0.35	1.95	2.9	1.69	554	552D	X2S-554	3.5	77	1.5	115	4.17
61.976	100	53.975	44.45	168777	0.43	1.59	2.36	1.37	28990	28921D		2	72	0.8	96	1.58
62.738	100	55.56	44.45	169119	0.43	1.59	2.36	1.37	28995	28921DC	X1S-28995	3.5	75	0.8	96	1.55
62.738	100	55.56	44.45	169803	0.43	1.59	2.36	1.37	28995	28921D	X2S-28995	3.5	75	0.8	96	1.55
63.5	94.458	42.86	34.925	107028	0.42	1.59	2.37	1.38	L610549	L610510D	L610549XB	1.5	71	0.8	91	0.97
63.5	110	52.388	46.038	157728	0.4	1.68	2.5	1.45	390A	394DC	X1S-395	1.5	73	0.8	104.5	1.9
63.5	110	52.388	46.038	157887	0.4	1.68	2.5	1.45	390A	394D	X1S-395	1.5	73	0.8	104.5	1.9
63.5	110	52.388	46.038	157887	0.4	1.68	2.5	1.45	395	394DC	X1S-395	3.5	77			

66.675	136.525	95.25	76.2	371112	0.36	1.86	2.78	1.61	641	632D	X1S- 641	3.5	83	1.5	125	6.08
68.262	110	52.388	46.038	157092	0.4	1.68	2.5	1.45	399A	394D	X4S-399A	2.3	78	0.8	104.5	1.69
68.262	110	52.388	46.038	157251	0.4	1.68	2.5	1.45	399AS	394DC	X1S- 399A	5	83	0.8	104.5	1.65
68.262	110	52.388	46.038	157887	0.4	1.68	2.5	1.45	399AS	394D	X4S- 399A	5	83	0.8	104.5	1.65
68.262	120	65.09	53.975	228921	0.38	1.75	2.61	1.52	480	472D	X2S- 480	3.5	82	0.8	114	3
68.262	123.825	79.375	63.5	303009	0.35	1.95	2.9	1.69	560-S	552DC	X1S-560-S	3.5	83	1.5	115	3.79
68.262	123.825	79.375	63.5	303316	0.35	1.95	2.9	1.69	560-S	552D	X1S- 560	3.5	83	1.5	115	3.79
68.262	127	80.962	65.088	313830	0.36	1.86	2.76	1.61	570	563D	X1S- 570	3.5	83	1.5	119	4.23
68.262	136.525	95.25	76.2	317864	0.36	1.86	2.78	1.61	642	632D	X1S- 642	3.5	85	1.5	125	5.93
68.262	161.925	105.562	70.637	476640	0.71	0.95	1.42	0.82	9278	9220D	X1S- 9278	3.5	97	0.8	153	9.41
69.85	114.287	58.738	46.038	176754	0.49	1.38	2.06	1.2	29675	29622DC	X1S-29675	1.5	80	0.8	109	2.25
69.85	114.287	58.738	46.038	176042	0.49	1.38	2.06	1.2	29675	29622D	X2S-29675	1.5	80	0.8	109	2.25
69.85	117.475	66.675	53.975	220770	0.44	1.55	2.31	1.34	33275	33462DC	X3S-33275	3.5	84	0.8	112	2.8
69.85	117.475	66.675	53.975	221216	0.44	1.55	2.31	1.34	33275	33462D	X4S-33275	3.5	84	0.8	112	2.8
69.85	120	65.09	53.975	228459	0.38	1.75	2.61	1.52	482	472D	X3S- 482	3.5	83	0.8	114	2.92
69.85	120	71.438	58.738	284544	0.36	1.87	2.79	1.62	47487	47420D	X1S-	3.5	84	0.8	114	3.12
69.85	127	80.962	65.088	314147	0.36	1.86	2.76	1.61	566	563D	X3S-566	3.5	85	1.5	119	4.16
69.85	136.525	95.25	76.2	327616	0.36	1.86	2.78	1.61	643	632D	X2S- 643	3.5	86	1.5	125	5.82
69.85	152.4	95.25	76.2	395214	0.41	1.65	2.46	1.43	655	654D	X1S- 655	3.5	88	1.5	141	8.08
69.85	155.575	101.6	85.725	505344	0.33	2.08	3.09	1.8	744A	742D	X1S-744A	5	91	1.5	143	9.31
69.85	155.575	101.6	85.725	507392	0.33	2.08	3.09	1.8	745A	742D	X1S-745A	3.5	88	1.5	143	9.15
69.85	171.45	125.412	100.012	652410	0.3	2.26	3.36	1.95	835	834D	X1S-835	3.5	91	0.8	155	14.37
69.914	177.8	109.538	74.612	489060	0.76	0.88	1.31	0.76	9382	9320D	X1S-9382	3.5	101	2.3	164	12.79
69.952	121.442	52.39	38.1	163845	0.45	1.5	2.23	1.3	34274	34478D	X1S-34274	2	81	0.8	116	2.26
70	120	65.09	53.975	228921	0.38	1.75	2.61	1.52	484	472DC	X2S- 484	2	80	0.8	114	2.92
70	120	65.09	53.975	228921	0.38	1.75	2.61	1.52	484	472D	X2S-484	2	80	0.8	114	2.92
70.637	114.287	58.738	46.038	176042	0.49	1.38	2.06	1.2	29680	29622DC	X1S-29680	1.3	80	0.8	109	2.2
70.637	114.287	58.738	46.038	175686	0.49	1.38	2.06	1.2	29680	29622D	X1S-29680	1.3	80	0.8	109	2.2
71.438	117.475	66.675	53.975	221439	0.44	1.55	2.31	1.34	33281	33462D	X1S-33281	3.5	85	0.8	112	2.72
71.438	120	71.438	58.738	284832	0.36	1.87	2.79	1.62	47490	47420D	X1S-47490	3.5	86	0.8	114	3.02
71.438	127	80.962	65.088	313830	0.36	1.86	2.76	1.61	567A	563D	X1S- 567A	3.5	86	1.5	119	4.02
71.438	127	80.962	65.088	312879	0.36	1.86	2.76	1.61	567-S	563D	X1S- 567A	6.4	92	1.5	119	3.97
71.438	136.525	95.25	76.2	373688	0.36	1.86	2.78	1.61	644	632D	X1S- 645	3.5	87	1.5	125	5.72
71.438	136.525	95.25	76.2	371488	0.36	1.86	2.78	1.61	645	632D	X1S- 645	6.4	93	1.5	125	5.65
73.025	114.287	58.738	46.038	175864	0.49	1.38	2.06	1.2	29685	29622DC	X1S-29685	3.5	86	0.8	109	2.09
73.025	114.287	58.738	46.038	176398	0.49	1.38	2.06	1.2	29685	29622D	X2S-29685	3.5	86	0.8	109	2.09
73.025	117.475	66.675	53.975	220770	0.44	1.55	2.31	1.34	33287	33462DC	X3S-33287	3.5	87	0.8	112	2.62
73.025	117.475	66.675	53.975	220101	0.44	1.55	2.31	1.34	33287	33462D	X3S-33287	3.5	87	0.8	112	2.62
73.025	120	79.908	67.285	221216	0.44	1.55	2.31	1.34	33287	33472DC	X1S -	3.5	87	0.8	113	3.32
73.025	127	80.962	65.088	313830	0.36	1.86	2.76	1.61	567	563D	X5S-567	3.5	88	1.5	119	3.92
73.025	127	80.962	65.088	313513	0.36	1.86	2.76	1.61	567X	563D	X2S-567	4.8	90	1.5	119	3.93
73.025	139.992	82.55	66.675	330336	0.4	1.67	2.49	1.45	576	572D	X1S-576	3.5	90	0.8	133	5.47
73.025	152.4	95.25	76.2	394418	0.41	1.65	2.46	1.43	657	654D	X1S-657	3.5	91	1.5	141	7.81
73.025	155.575	101.6	85.725	505856	0.33	2.08	3.09	1.8	744	742D	X2S -744	3.5	91	1.5	143	9.05
73.817	114.287	58.738	46.038	175864	0.49	1.38	2.06	1.2	29688	29622D	X1S-29688	1.5	83	0.8	109	2.05
73.817	127	80.962	65.088	312879	0.36	1.86	2.76	1.61	568	563D	X2S-568	0.8	83	1.5	119	3.89
74.612	139.992	82.55	66.675	330669	0.4	1.67	2.49	1.45	577	572D	X1S-577	3.5	91	0.8	133	5.4
74.976	121.442	52.39	38.1	163515	0.45	1.5	2.23	1.3	34294	34478D	X1S-34294	2	85	0.8	116	2.03
76.2	109.538	42.86	34.925	110880	0.5	1.34	2	1.16	L1814749	L1814710D	L1814749XA	1.5	84	0.8	105	1.26
76.2	121.442	52.39	38.1	163185	0.45	1.5	2.23	1.3	34300	34478D	X5S-34300	2	86	0.8	116	1.98
76.2	121.442	52.39	38.1	162855	0.45	1.5	2.23	1.3	34301	34478D	X2S-34301	3.5	89	0.8	116	1.96
76.2	136.525	95.25	76.2	346261	0.44	1.52	2.26	1.31	495A	493DC	X1S-495A	3.5	92	0.8	130	4.07
76.2	136.525	95.25	76.2	345763	0.44	1.52	2.26	1.31	495A	X2S-495A	3.5	92	0.8	130	4.07	
76.2	139.992	82.55	66.675	330003	0.4	1.67	2.49	1.45	575	572DC	X1S-575	3.5	92	0.8	133	5.27
76.2	139.992	82.55	66.675	329337	0.4	1.67	2.49	1.45	575	572D	X2S-575	3.5	92	0.8	133	5.27
76.2	152.4	95.25	76.2	344868	0.44	1.53	2.27	1.32	590A	592D	X1S -590A	3.5	95	0.8	144	6.81
76.2	152.4	95.25	76.2	392826	0.41	1.65	2.46	1.43	659	654DC	X1S- 659	3.5	93	1.5	141	7.53
76.2	152.4	95.25	76.2	393224	0.41	1.65	2.46	1.43	659	654D	X1S-659	3.5	93	1.5	141	7.53
76.2	155.575	101.6	85.725	507904	0.33	2.08	3.09	1.8	748-S	742DC	X2S-748 -	3.5	93	1.5	143	8.75
76.2	155.575	101.6	85.725	507392	0.33	2.08	3.09	1.8	748-S	742D	X3S-748 -	3.5	93	1.5	143	8.75
76.2	161.925	104.775	85.725	521136	0.34	1.98	2.95	1.71	755	752D	X2S-755	3.5	95	1.5	150	10.1
76.2	161.925	105.562	70.637	473760	0.71	0.95	1.42	0.82	9285	9220D	X4S-9285	3.5	103	0.8	153	8.66
76.2	171.45	125.412	100.012	650433	0.3	2.26	3.36	1.95	837	834D	X1S-843	0.8	90	0.8	155	13.52
76.2	171.45	125.412	100.012	651092	0.3	2.26	3.36	1.95	843	834D	X1S- 843	6.4	101	0.8	155	13.48
76.2	177.8	109.538	74.612	488072	0.76	0.88	1.31	0.76	9380	9320D	X1S-9380	3.5	105	2.3	164	12.15
76.200	177.8	115.888	74.612	489554	0.76	0.88	1.31	0.76	9378	9320D	X1S- 9378	3.5	105	2.3	164	12.69
76.200	190.5	127	104.775	849680	0.33	2.02	3	1.74	HH221430	HH221410D	HH221430X	3.5	101	1.5	179	18.92
77.788	121.442	52.39	38.1	163185	0.45	1.5	2.23	1.3	34306	34478D	X4S-34306	3.5	90	0.8	116	1.87
77.788	136.525	95.25	76.2	347008	0.44	1.52	2.26	1.31	495AS	493DC	X1S-495AS	3.5	93	0.8	130	3.99
77.788	136.525	95.25	76.2	345763	0.44	1.52	2.26	1.31	495AS	493D	X1S-	3.5	93	0.8	130	3.99
79.375	152.4	95.25	76.2	344520	0.44	1.53	2.27	1.32	595A	592D	X1S-595A	3.5	98	0.8	144	6.54
79.375	152.4	95.25	76.2	395214	0.41	1.65	2.46	1.43	661	654D	X1S-	3.5	96	1.5	141	7.07
79.375	152.4	95.25	76.2	393622	0.41	1.65	2.46	1.43	661	654DC	X2S- 661	3.5	96	1.5	141	7.24
79.375	155.575	101.6	85.725	506880	0.33	2.08	3.09	1.8	750	742D	X1S-	3.5	96	1.5	143	8.33
79.985	139.992	82.55	66.675	330003	0.4	1.67	2.49	1.45	578	572D	X1S-578	3.5	95	0.8	133	4.96
79.985	152.4	95.25	76.2	344868	0.44	1.53										

85.026	155.575	101.6	85.725	508416	0.33	2.08	3.09	1.8	749	742D	X3S-749	3.5	101	1.5	143	7.9
85.725	136.525	69.85	53.975	246261	0.44	1.52	2.26	1.31	497	493DC	X3S-497	3.5	99.0	0.8	130.0	3.43
85.725	136.525	69.85	53.975	246510	0.44	1.52	2.26	1.31	497	493D	X3S-497	3.5	99.0	0.8	130.0	3.43
85.725	152.4	82.55	63.5	345216	0.44	1.53	2.27	1.32	596	592DC	X1S-596	3.5	102.0	0.8	144.0	6.1
85.725	152.4	82.55	63.5	344868	0.44	1.53	2.27	1.32	596	592D	X1S-596	3.5	102.0	0.8	144.0	6.1
85.725	152.4	95.25	76.2	392826	0.41	1.65	2.46	1.43	665	654D	X1S-665	3.5	102.0	1.5	141.0	6.68
85.725	161.925	104.775	85.725	523248	0.34	1.98	2.95	1.71	758	752D	X2S-758	3.5	103.0	1.5	150.0	9.06
85.725	168.275	92.075	69.85	421876	0.47	1.43	2.14	1.24	677	672D	X1S-677	3.5	105.0	0.8	160.0	9.18
85.725	171.45	125.412	100.012	654387	0.3	2.26	3.36	1.95	841	834D	X2S-841	3.5	104.0	0.8	155.0	12.58
87.312	123.825	50.797	42.862	147361	0.33	2.05	3.05	1.77	L217847	L217810D	L217847XA	1.5	96.0	0.8	119.0	1.78
87.312	152.4	82.55	63.5	344868	0.44	1.53	2.27	1.32	596-S	592D	X2S-596	3.5	103.0	0.8	144.0	5.99
87.312	190.5	127	104.775	851400	0.33	2.02	3	1.74	HH221432	HH221410D	HH221432X	8.0	118.0	1.5	179.0	17.58
87.312	190.5	127	104.775	851400	0.33	2.02	3	1.74	HH221432	HH221410D	HH221432X	8.0	118.0	1.5	179.0	17.58
87.960	149.225	66.672	52.388	259581	0.49	1.37	2.04	1.19	42346	42587D	X1S-42346	3.0	103.0	0.8	143.0	4.57
88.900	123.825	50.797	42.862	147212	0.33	2.05	3.05	1.77	L217849	L217810DC	L217849XA	1.5	97.0	0.8	119.0	1.69
88.900	123.825	50.797	42.862	147510	0.33	2.05	3.05	1.77	L217849	L217810D	L217849XB	1.5	97.0	0.8	119.0	1.69
88.900	149.225	66.672	52.388	260370	0.49	1.37	2.04	1.19	42350	42587D	X1S-42350	3.0	104.0	0.8	143.0	4.5
88.900	152.4	82.55	63.5	344172	0.44	1.53	2.27	1.32	593	592DC	X1S-593	3.5	104.0	0.8	144.0	5.84
88.900	152.4	82.55	63.5	344172	0.44	1.53	2.27	1.32	593	592D	X2S-593	3.5	104.0	0.8	144.0	5.84
88.900	152.4	82.55	63.5	344172	0.44	1.53	2.27	1.32	593A	592D	X1S-593	6.4	110.0	0.8	144.0	5.78
88.900	161.925	104.775	85.725	524304	0.34	1.98	2.95	1.71	759	752D	X8S-759	3.5	106.0	1.5	150.0	8.71
88.900	161.925	104.775	85.725	521664	0.34	1.98	2.95	1.71	766	752D		7.0	113.0	1.5	150.0	8.52
88.900	168.275	92.075	69.85	423157	0.47	1.43	2.14	1.24	679	672DC	X1S-679	3.5	107.0	0.8	160.0	8.86
88.900	168.275	92.075	69.85	424011	0.47	1.43	2.14	1.24	679	672D	X2S-679	3.5	107.0	0.8	160.0	8.86
88.900	171.45	125.412	100.012	650433	0.3	2.26	3.36	1.95	850	834D	X2S-850	3.5	106.0	0.8	155.0	12.21
88.900	180.975	104.775	85.725	553536	0.39	1.75	2.61	1.51	775	774D	X2S-775	4.8	112.0	1.5	168.0	12.13
88.900	190.5	127	104.775	851400	0.33	2.02	3	1.74	HH221434	HH221410D	HH221434X	8.0	120.0	1.5	179.0	17.36
88.900	20.025	115.888	80.216	649105	0.63	1.07	1.59	0.92	98350	98789D	X3S-98350	3.5	118.0	2.3	188.0	16.33
89.916	171.45	125.412	100.012	654387	0.3	2.26	3.36	1.95	850A	834D	X1S-850A	3.5	107.0	0.8	155.0	12.08
89.916	189.967	85.852	54.102	455994	0.87	0.78	1.16	0.67	HM921343	HM921310D	HM921343X	3.5	117.0	1.5	181.0	10.44
89.980	161.9	69.85	44.45	324711	0.73	0.92	1.37	0.8	M919048	M919010D	M919049XC	3.5	109.0	1.5	154.0	5.4
90.488	161.925	104.775	85.725	523248	0.34	1.98	2.95	1.71	760	752D	X1S-760	3.5	107.0	1.5	150.0	8.56
92.075	149.225	66.672	52.388	260107	0.49	1.37	2.04	1.19	42362	42587DC	X1S-42362	3.5	107.0	0.8	143.0	4.28
92.075	149.225	66.672	52.388	261159	0.49	1.37	2.04	1.19	42362	42587D	X3S-42362	3.5	107.0	0.8	143.0	4.28
92.075	152.4	82.55	63.5	344868	0.44	1.53	2.27	1.32	598	592DC	X1S-598	3.5	107.0	0.8	144.0	5.55
92.075	152.4	82.55	63.5	344172	0.44	1.53	2.27	1.32	598	592D	X3S-598	3.5	107.0	0.8	144.0	5.55
92.075	152.4	82.55	63.5	343824	0.44	1.53	2.27	1.32	598X	592DC	X1S-598	3.5	107.0	0.8	144.0	5.54
92.075	152.4	82.55	63.5	345216	0.44	1.53	2.27	1.32	598X	592D	X1S-598	3.5	107.0	0.8	144.0	5.54
92.075	168.275	92.075	69.85	424011	0.47	1.43	2.14	1.24	681	672D	X1S-681	3.5	110.0	0.8	160.0	8.53
92.075	180.975	104.775	85.725	550746	0.39	1.75	2.61	1.51	778	774D	X1S-778	3.5	111.0	1.5	168.0	11.73
93.662	149.225	66.672	52.388	260633	0.49	1.37	2.04	1.19	42368	42587D	X1S-42368	3.0	107.0	0.8	143.0	4.17
93.662	152.4	82.55	63.5	344520	0.44	1.53	2.27	1.32	597	592D	X1S-597	3.5	109.0	0.8	144.0	5.41
95.250	130.175	47.622	39.688	152214	0.35	1.93	2.88	1.67	L319249	L319210D	L319249XB	1.5	103.0	0.8	125.0	1.75
95.250	136.525	68.26	57.15	252300	0.28	2.38	3.54	2.06	LM119348	LM119311D	LM119348X	2.3	105.0	0.8	131.0	2.98
95.250	149.225	66.672	52.388	260633	0.49	1.37	2.04	1.19	42375	42587	D	3.0	108.0	0.8	143.0	4.05
95.250	149.225	66.672	52.388	259581	0.49	1.37	2.04	1.19	42376	42587DC	X1S-42376	3.5	109.0	0.8	143.0	3.94
95.250	149.225	66.672	52.388	260370	0.49	1.37	2.04	1.19	42376	42587D	X1S-42376	3.5	109.0	0.8	143.0	4.02
95.250	152.4	82.55	63.5	344172	0.44	1.53	2.27	1.32	594	592DC	X2S-594	3.5	110.0	0.8	144.0	5.26
95.250	152.4	82.55	63.5	345564	0.44	1.53	2.27	1.32	594	592D	X3S-594	3.5	110.0	0.8	144.0	5.26
95.250	152.4	82.55	63.5	345564	0.44	1.53	2.27	1.32	594A	592D	X2S-594	5.0	113.0	0.8	144.0	5.23
95.250	161.925	82.547	61.912	357120	0.47	1.42	2.12	1.23	52375	52637D	X2S-52375	3.5	112.0	0.8	154.0	6.5
95.250	168.275	92.075	69.85	423157	0.47	1.43	2.14	1.24	683	672DC	X1S-683	3.5	113.0	0.8	160.0	8.19
95.250	168.275	92.075	69.85	422303	0.47	1.43	2.14	1.24	683	672D	X2S-683	3.5	113.0	0.8	160.0	8.19
95.250	180.975	104.775	85.725	551862	0.39	1.75	2.61	1.51	776	774D	X2S-776	3.5	114.0	1.5	168.0	11.37
95.250	180.975	104.775	85.725	551862	0.39	1.75	2.61	1.51	777	774D		9.7	126.0	1.5	168.0	10.97
95.250	190.5	127	104.775	850540	0.33	2.02	3	1.74	HH221440	HH221410D		8	125.0	1.5	179.0	16.44
96.838	149.225	66.672	52.388	259581	0.49	1.37	2.04	1.19	42381	42587DC	X1S-	3.5	110.0	0.8	143.0	3.91
96.838	149.225	66.672	52.388	260107	0.49	1.37	2.04	1.19	42381	42587D	X2S-	3.5	110.0	0.8	143.0	3.91
98.425	161.925	82.547	61.912	357120	0.47	1.42	2.12	1.23	52387	52637D	X3S-	3.5	114.0	0.8	154.0	6.18
98.425	168.275	92.075	69.85	421876	0.47	1.43	2.14	1.24	685	672DC	X1S-685	3.5	116.0	0.8	160.0	7.9
98.425	168.275	92.075	69.85	423584	0.47	1.43	2.14	1.24	685	672D	X3S-685	3.5	116.0	0.8	160.0	7.9
98.425	180	104.775	85.725	552978	0.39	1.75	2.61	1.51	779	773D	X4S-779	3.5	116.0	0.8	168.0	10.86
98.425	180.975	104.775	85.725	550746	0.39	1.75	2.61	1.51	779	774D	X3S-779	3.5	116.0	1.5	168.0	10.98
98.425	190.5	127	104.775	853120	0.33	2.02	3	1.74	HH221442	HH221410D		3.5	119.0	1.5	179.0	16.09
98.425	212.725	142.875	117.475	1085700	0.33	2.07	3.09	1.79	HH224332	HH224310C		3.5	123.0	1.5	201.5	23.31
99.975	212.725	142.875	117.475	1091200	0.33	2.07	3.09	1.79	HH224334	HH224310C	HH224334X	3.5	124.0	1.5	201.5	23.13
99.980	196.85	103.378	74.422	603744	0.61	1.11	1.66	0.96	HM821547	HM821511D		3.5	123.0	1.5	187.0	12.48
99.982	190.5	127	104.775	852260	0.33	2.02	3	1.74	HH221447	HH221410D		6.4	126.0	1.5	179.0	15.77
100	180	104.775	85.725	550746	0.39	1.75	2.61	1.51	783	773D	X3S-783	3.5	118.0	0.8	168.0	10.68
100	180.975	104.775	85.725	553536	0.39	1.75	2.61	1.51	783	774D	X3S-783	3.5	118.0	1.5	168.0	10.78
100	190.5	127	101.6	731358	0.33	2.02	3	1.74	863X	854DC	X1S-863X	6	124.0	1.5	174.0	15.05
100	200.025	115.888	80.216	647140	0.63	1.07	1.59	0.92	98394X	98789D	X1S-	3.5	126.0	2.3	188.0	14.94
100.012	161.925	82.547	61.912	357480	0.47	1.42	2.12	1.23	52393							

107.950	158.75	53.978	39.688	184698	0.61	1.11	1.66	0.96	37425	37626D	XIS-	3.5	122	0.8	152	3.21
107.950	159.987	74.612	58.738	311892	0.4	1.68	2.5	1.45	LM522546	LM522510D		3.5	122	0.8	154	5.07
107.950	165.1	82.55	63.5	360255	0.5	1.36	2.02	1.18	56425	56650D	X2S-56425	3.5	123	0.8	159	5.8
107.950	190.5	106.362	80.962	578968	0.42	1.62	2.42	1.4	71425	71751DC	X2S-71425	3.5	126	1.5	181	11.87
107.950	190.5	106.362	80.962	578382	0.42	1.62	2.42	1.4	71425	71751D	X5S-71425	3.5	126	1.5	181	11.87
107.950	212.725	142.875	117.475	913702	0.33	2.07	3.09	1.79	936	932CD	X3S-936	8	137	1.5	193	21.49
107.950	212.725	142.875	117.475	1092300	0.33	2.07	3.09	1.79	HH224340	HH224310C	HH224340X	8	139	1.5	201.5	21.55
109.538	158.75	53.978	39.688	184140	0.61	1.11	1.66	0.96	37431	37626DC	X1S-37431	3.5	123	0.8	152	3.13
109.538	158.75	53.978	39.688	184140	0.61	1.11	1.66	0.96	37431	37626D	XIS-	3.5	123	0.8	152	3.13
109.952	190.5	106.362	80.962	579554	0.42	1.62	2.42	1.4	71432	71751D	X1S-71432	3.5	128	1.5	181	12.02
110.000	214.312	115.888	84.138	751178	0.67	1	1.49	0.87	H924043	H924010D	H924043XA	3.5	139	1.5	205	17.81
109.987	159.987	74.612	58.738	313788	0.4	1.68	2.5	1.45	LM522548	LM522510D	LM522549X	8	133	0.8	154	4.72
109.987	159.987	74.612	58.738	313472	0.4	1.68	2.5	1.45	LM522549	LM522510D		3.5	124	0.8	154	4.87
109.992	177.8	92.075	69.85	437684	0.52	1.31	1.95	1.13	64433	64700D	XIS-	3.5	128	0.8	172	8.31
110.000	212.725	142.875	117.475	915546	0.33	2.07	3.09	1.79	942	932CD	XIS-	6.4	136	1.5	193	21.09
111.125	190.5	106.362	80.962	580140	0.42	1.62	2.42	1.4	71437	71751D	X2S-71437	3.5	129	1.5	181	11.5
111.125	214.312	115.888	84.138	748146	0.67	1	1.49	0.87	H924045	H924010D	H924045XB	3.5	139	1.5	205	17.78
111.125	241.3	158.75	107.95	1065960	0.73	0.92	1.37	0.8	HH924349	HH924310D	HH924349X	6.4	157	1.5	226	30.71
114.300	152.4	47.625	38.1	159712	0.41	1.63	2.43	1.41	L623149	L623110D	L623149XA	1.5	123	0.8	147	2.16
114.300	177.8	92.075	69.85	438570	0.52	1.31	1.95	1.13	64450	64700DC	XIS-	3.5	131	0.8	172	7.82
114.300	177.8	92.075	69.85	438127	0.52	1.31	1.95	1.13	64450	64700D	X5S-	3.5	131	0.8	172	7.81
114.300	190.5	106.362	80.962	579554	0.42	1.62	2.42	1.4	71450	71751DC	X3S-71450	3.5	132	1.5	181	11.08
114.300	190.5	106.362	80.962	580726	0.42	1.62	2.42	1.4	71450	71751D	X4S-71450	3.5	132	1.5	181	11.08
114.300	212.725	142.875	117.475	914624	0.33	2.07	3.09	1.79	938	932CD	X4S-938	7	141	1.5	193	20.24
114.300	212.725	142.875	117.475	1087900	0.33	2.07	3.09	1.79	HH224346	HH224310C		7	143	1.5	201.5	20.38
114.300	228.6	115.888	84.138	790020	0.74	0.92	1.36	0.79	HM926740	HM926710D		3.5	146	2.3	219	20.75
114.975	177.8	92.075	69.85	439013	0.52	1.31	1.95	1.13	64452A	64700D	X1S-64452	9	143	0.8	172	7.54
114.975	212.725	142.875	117.475	1092300	0.33	2.07	3.09	1.79	HH224349	HH224310C	HH224349X	7	144	1.5	201.5	20.26
115.087	190.5	106.362	80.962	580726	0.42	1.62	2.42	1.4	71453	71751D	X2S-71453	3.5	133	1.5	181	10.91
119.062	194.873	125.255	131.351	655380	0.26	2.55	3.8	2.21	HM124646	HM124616X	HM124646X	1.5	131	1	183	14.54
119.062	195.262	136.779	142.875	654056	0.26	2.55	3.8	2.21	HM124646	HM124618X		1.5	131	1	183	15.17
119.957	194.873	125.255	131.351	654718	0.26	2.55	3.8	2.21	HM124649	HM124616X		3	134	1	183	14.14
119.957	195.262	136.779	142.875	655380	0.26	2.55	3.8	2.21	HM124649	HM124618X		3	134	1	183	15
119.964	215.9	106.362	80.962	607992	0.49	1.38	2.06	1.2	74472	74851CD	X1S-74472	3.5	142	1.5	208	15.93
119.975	174.625	77.788	61.912	391242	0.33	2.03	3.02	1.76	M224748	M224710DC	M224748XA	3.5	134	0.8	168	5.72
119.975	174.625	77.788	61.912	389272	0.33	2.03	3.02	1.76	M224748	M224710D		3.5	134	0.8	168	5.72
120.650	161.925	63.5	53.975	168640	0.43	1.55	2.31	1.34	L624549	L624514D		1.5	129	0.8	156	3.22
120.650	169.975	58.738	49.212	228390	0.33	2.03	3.02	1.76	L225812D	L225812D	L225812XA	1.5	131	1	164	3.92
120.650	174.625	77.788	61.912	389666	0.33	2.03	3.02	1.76	M224749	M224710D	M224749XC	3.5	135	0.8	168	5.64
120.650	182.562	85.728	73.025	426384	0.31	2.21	3.29	1.91	48282	48220DC	X1S-48282	3.5	137	0.8	176	7.88
120.650	182.562	85.728	73.025	428976	0.31	2.21	3.29	1.91	48282	48220D	XIS-	3.5	137	0.8	176	7.88
120.650	26.375	107.95	82.55	605730	0.46	1.47	2.19	1.27	795	792CD	X4S-795	3.3	139	0.8	198	13.68
120.650	234.95	142.875	114.3	997880	0.37	1.83	2.72	1.58	95475	95927CD	X2S-95475	6.4	149	1.5	217	26.72
123.825	182.562	85.728	73.025	427680	0.31	2.21	3.29	1.91	48286	48220DC	X1S-48286	3.5	139	0.8	176	7.59
123.825	182.562	85.728	73.025	428544	0.31	2.21	3.29	1.91	48286	48220D	X2S-48286	3.5	139	0.8	176	7.59
124.943	234.95	142.875	114.3	1001920	0.37	1.83	2.72	1.58	95491	95927CD	X2S-	6.4	152	1.5	217	25.64
125.298	228.6	115.888	84.138	789222	0.74	0.92	1.36	0.79	HM926745	HM926710D	HM926745X	3.5	154	2.3	219	18.84
126.987	207.962	146.304	152.4	707679	0.26	2.55	3.8	2.21	HM127440		HM127415X	1.5	140	1	198	17.67
127.000	169.975	58.738	49.212	227930	0.33	2.03	3.02	1.76	L225819	L225812D		1.5	136	1	164	3.46
127.000	182.562	85.728	73.025	428112	0.31	2.21	3.29	1.91	48290	48220DC	X1S-48290	3.5	141	0.8	176	7.12
127.000	182.562	85.728	73.025	428112	0.31	2.21	3.29	1.91	48290	48220D	X2S-48290	3.5	141.0	0.8	176.0	7.12
127.000	196.85	101.6	85.725	588256	0.34	1.96	2.92	1.7	67388	67322DC	X1S-67388	3.5	144.0	0.8	190.0	10.65
127.000	196.85	101.6	85.725	585884	0.34	1.96	2.92	1.7	67388	67322D	X3S-67388	3.5	144.0	0.8	190.0	10.65
127.000	200.025	101.6	85.725	587663	0.34	1.96	2.92	1.7	67388	67325D	X1S-67388	3.5	144.0	0.8	191.0	11.72
127.000	215.9	106.362	80.962	611072	0.49	1.38	2.06	1.2	74500	74851CD	X2S-74500	3.5	148.0	1.5	208.0	14.89
127.000	228.6	115.888	84.138	598728	0.74	0.92	1.36	0.79	97500	97901D	X1S-97500	3.5	151.0	2.3	213.0	17.45
127.000	228.6	115.888	84.138	791616	0.74	0.92	1.36	0.79	HM926747	HM926710D	HM926747X	3.5	156.0	2.3	219.0	18.59
127.000	228.6	115.888	84.138	787626	0.74	0.92	1.36	0.79	HM926747	HM926710D	HM926747X	3.5	156.0	2.3	219.0	18.59
127.000	234.95	142.875	114.3	999900	0.37	1.83	2.72	1.58	95500	95927CD	X8S-95500	6.4	154.0	1.5	217.0	25.49
127.792	228.6	115.888	84.138	791616	0.74	0.92	1.36	0.79	HM926749	HM926710D	HM926749X	3.5	156.0	2.3	219.0	18.47
128.588	206.375	107.95	82.55	602680	0.46	1.47	2.19	1.27	799	792CD	X1S-799	3.3	146.0	0.8	198.0	12.42
129.967	229.873	150.002	160	806208	0.26	2.55	3.8	2.21	H127747	H127715D		1.5	145.0	1.0	0.0	26.62
129.967	229.873	150.043	160	905774	0.26	2.55	3.8	2.21	H127746	H127715AD		1.5	145.0	10.0	0.0	26.51
129.967	229.873	150.043	160	805392	0.26	2.55	3.8	2.21	H127747	H127715AD		1.5	145.0	10.0	0.0	26.02
129.975	234.95	142.875	114.3	999900	0.37	1.83	2.72	1.58	95512	95927CD	X1S-95512	6.4	157.0	1.5	217.0	24.71
130.000	206.375	107.95	82.55	603900	0.46	1.47	2.19	1.27	797	792CD	X3S-797	3.5	148.0	0.8	198.0	12.12
130.175	196.85	101.6	85.725	587663	0.34	1.96	2.92	1.7	67389	67322DC	X1S-67389	3.5	146.0	0.8	190.0	10.16
130.175	196.85	101.6	85.725	587070	0.34	1.96	2.92	1.7	67389	67322D	X3S-67389	3.5	146.0	0.8	190.0	10.16
130.175	200.025	101.6	85.725	588849	0.34	1.96	2.92	1.7	67389	67325D	X1S-67389	3.5	146.0	0.8	191.0	11.23
130.175	26.375	107.95	82.55	602070	0.46	1.47	2.19	1.27	799A	792CD	X1S-799A	3.5	148.0	0.8	198.0	12.15
131.750	27.962	146.304	152.4	709830	0.26	2.55	3.8	2.21	HM127446	HM127415X		1.5	144.0	1.0	198.0	16.8
133.350	177.008	57.15	47.625	234630	0.35	1.94	2.89	1.68	L327249	L327210D	L327249XB	1.5	142.0	0.8	171.0	3.66
133																

142.875	20.025	87.315	73.025	456456	0.34	2.01	2.99	1.74	48685	48620D	X4S-	3.5	158	0.8	193	7.94
142.875	222.25	75.7	53.975	394816	0.44	1.54	2.3	1.34	73562	73876CD	X2S-73562	3.5	159	2.3	207	8.95
142.875	241.3	131.762	106.362	950456	0.32	2.12	3.15	1.83	HM231136	HM231116D	HM231136X	3.5	162	1.5	224	22.53
144.450	220.662	155.839	163.51	744992	0.26	2.55	3.8	2.21	HM129848	HM129814X		1.5	156	1	211	19.07
146.050	193.675	65.085	53.975	314664	0.37	1.83	2.73	1.59	36690	36620CD	X1S-36690	1.5	155	0.8	188	4.94
146.050	193.675	65.085	53.975	312879	0.37	1.83	2.73	1.59	36690	36620D	X2S-	1.5	155	0.8	188	4.93
146.050	236.538	131.762	106.362	949494	0.32	2.12	3.15	1.83	HM231140	HM231111C	HM231140X	3.5	164	1.5	224	20.26
146.050	241.3	131.762	106.362	820040	0.44	1.53	2.27	1.32	82576	82951CD	X1S-	3.5	166	1.5	226	21.82
146.050	241.3	131.762	106.362	955266	0.32	2.12	3.15	1.83	HM231140	HM231116D		3.5	164	1.5	224	21.83
146.050	244.475	107.95	79.375	641520	0.35	1.92	2.86	1.66	81575	81963CD	X1S-	3.5	166	1.5	229	17.51
146.050	254	149.225	111.125	1049400	0.41	1.66	2.47	1.43	99575	99102CD	X4S-99575	7	175	1.5	238	28.51
146.050	254	152.4	114.3	1046220	0.41	1.66	2.47	1.43	99575	99101D	X5S-	7	175	1.5	238	29.64
146.050	268.288	160.338	125.412	1243620	0.39	1.74	2.59	1.51	EE107057	107105CD	X4S-	6.4	176	1.5	249.5	36.36
146.050	34.8	135.733	97.633	1235000	0.33	2.03	3.02	1.76	EE750576	751204D	X3S-	3.3	167	1.5	268	38.56
149.225	236.538	131.762	106.362	949494	0.32	2.12	3.15	1.83	HM231148	HM231111C		6.4	172	1.5	224	19.5
149.225	236.538	131.762	106.362	953342	0.32	2.12	3.15	1.83	HM231149	HM231111C	HM231149X	3.5	167	1.5	224	19.61
149.225	241.3	131.762	106.362	950456	0.32	2.12	3.15	1.83	HM231149	HM231116D		3.5	167	1.5	224	21.17
149.225	254	149.225	111.125	1051520	0.41	1.66	2.47	1.43	99587	99102CD	X3S-	7	178	1.5	238	27.83
149.225	254	152.4	114.3	1050460	0.41	1.66	2.47	1.43	99587	99101D		7	178	1.5	238	28.18
149.967	249.872	153.764	160	1012860	0.26	2.55	3.8	2.21	HM133436		HM133413X	3	169	1	239	30.05
150.000	244.475	107.95	79.375	642168	0.35	1.92	2.86	1.66	81590	81963CD	X1S-	3.5	169	1.5	229	16.87
150.812	244.475	107.95	79.375	640224	0.35	1.92	2.86	1.66	81593	81963CD	X1S-	3.5	169	1.5	229	16.69
152.400	203.2	92.075	79.375	453801	0.35	1.94	2.89	1.68	LM330448	LM330410D	LM330448X	3.3	166	0.8	197	7.6
152.400	244.475	107.95	79.375	641520	0.35	1.92	2.86	1.66	81600	81963CD	X4S-	3.5	171	1.5	229	16.88
152.400	254	149.225	111.125	1050460	0.41	1.66	2.47	1.43	99600	99102CD	X7S-	7	181	1.5	238	26.93
152.400	254	152.4	114.3	1048340	0.41	1.66	2.47	1.43	99600	99101D	X4S-	7	181	1.5	238	28.13
152.400	268.288	160.338	125.412	1247400	0.39	1.74	2.59	1.51	EE107060	107105CD	X3S-	6.4	181	1.5	249.5	34.63
152.400	307.975	200.025	146.05	1681300	0.33	2.07	3.08	1.79	EE450601	451215CD	X7S-	9.7	189	2.3	275	59.88
152.400	307.975	200.025	155.575	1946360	0.33	2.07	3.08	1.79	HH234048	HH234011C		9.7	191	2.3	285.5	60.93
152.400	307.975	200.025	155.575	1944390	0.33	2.07	3.08	1.79	HH234049	HH234011C	HH234049X	9.7	191	2.3	285.5	58.33
158.750	225.425	85.725	69.85	483621	0.38	1.76	2.62	1.52	46780	46720CD	X2S-	3.5	176	0.8	218	10.71
159.951	244.475	107.95	79.375	640872	0.35	1.92	2.86	1.66	81629	81963CD		3.5	176	1.5	229	14.91
159.951	244.475	107.95	79.375	640872	0.35	1.92	2.86	1.66	81630	81963CD	X1S-	3.5	176	1.5	229	15.09
160.325	288.925	142.875	111.125	1320690	0.32	2.12	3.15	1.83	HM237532	HM237510C		7	192	1.5	271.5	36.92
165.087	276.225	181.023	185.725	1170560	0.26	2.55	3.8	2.21	HM136940	HM136916X		1.5	183	1	261.5	40.98
165.100	215.9	58.74	47.625	285984	0.36	1.85	2.76	1.6	L43374D			1.5	174	0.8	209	5.11
165.100	225.425	85.725	69.85	482643	0.38	1.76	2.62	1.52	46790	46720CD	X2S-	3.5	181	0.8	218	9.69
165.100	247.65	103.188	84.138	646470	0.44	1.54	2.29	1.33	67780	67720CD	X2S-	3.5	185	0.8	240	17.18
165.100	288.925	142.875	111.125	1052580	0.47	1.44	2.15	1.25	94649	94114CD	X5S-94650	7	197	1.5	272	36.66
165.100	288.925	142.875	111.125	1316700	0.32	2.12	3.15	1.83	HM237535	HM237510C	HM237535X	7	195	1.5	271.5	35.86
165.100	288.925	142.875	111.125	1312710	0.32	2.12	3.15	1.83	HM237536	HM237510C	HM237535X	7	195	1.5	271.5	35.83
165.100	298.45	142.875	111.125	1048340	0.47	1.44	2.15	1.25	94649	94118D	X3S-	7	197	1.5	272	41.1
166.687	225.425	85.725	69.85	483132	0.38	1.76	2.62	1.52	46792	46720CD	X2S-	3.5	182	0.8	218	9.39
168.275	247.65	103.188	84.138	648429	0.44	1.54	2.29	1.33	67782	67720CD	X1S-	3.5	187	0.8	240	16.39
170.000	254	101.6	76.2	757659	0.32	2.12	3.15	1.83	M235149	M235113CD		4.8	189	1.5	240	15.37
174.625	247.65	103.188	84.138	646470	0.44	1.54	2.29	1.33	67780	67720CD	X1S-	8	200	0.8	240	14.89
174.625	247.65	103.188	84.138	645817	0.44	1.54	2.29	1.33	67787	67720CD	X2S-	3.5	192	0.8	240	15.11
174.625	288.925	142.875	111.125	1048340	0.47	1.44	2.15	1.25	94687	94114CD	X1S-	7	204	1.5	272	34.02
174.625	288.925	142.875	111.125	1320690	0.32	2.12	3.15	1.83	HM237542	HM237510C	HM237542X	7	202	1.5	271.5	33.15
177.787	276.225	181.023	185.725	1168200	0.26	2.55	3.8	2.21	HM136948	HM136916X		1.5	192	1	261.5	36.99
177.800	227.012	66.672	52.388	332956	0.44	1.53	2.28	1.33	36990	36920CD	X2S-36990	1.5	188	0.8	221	6.14
177.800	247.65	103.188	84.138	647776	0.44	1.54	2.29	1.33	67790	67720CD	X2S-	3.5	194	0.8	240	14.41
177.800	288.925	142.875	111.125	1052580	0.47	1.44	2.15	1.25	94700	94114CD	X6S-94700	7	207	1.5	272	32.98
177.800	288.925	142.875	111.125	1314040	0.32	2.12	3.15	1.83	HM237545	HM237510C	HM237545X	7	205	1.5	271.5	32.16
177.800	298.45	142.875	111.125	1046220	0.47	1.44	2.15	1.25	94700	94118D	X6S-94700	7	207	1.5	272	36.71
177.800	320.675	185.738	138.112	1772100	0.32	2.12	3.15	1.83	H239640	H239612CD		3.5	202	1.5	300.5	56.99
179.975	317.5	146.05	111.125	1171740	0.52	1.29	1.92	1.12	93708	93127CD	X1S-93708	3.5	209	1.5	300	47.28
184.150	266.7	103.188	84.138	664961	0.48	1.41	2.11	1.22	67883	67820CD	X2S-	3.5	204	0.8	259	18.17
187.325	266.7	103.188	84.138	662948	0.48	1.41	2.11	1.22	67884	67820CD	X3S-67884	3.5	206	0.8	259	17.45
187.325	269.875	119.062	93.663	875160	0.33	2.03	3.02	1.76	M238849	M238810CD	M238849XB	3.5	205	1.5	256	20.36
187.325	282.575	107.95	79.375	683004	0.42	1.62	2.42	1.41	87737	87112D	X1S-	3.5	207	1.5	266.5	20.89
187.325	320.675	185.738	138.112	1770310	0.32	2.12	3.15	1.83	H239649	H239612CD	H239649XB	5.5	214	1.5	300.5	52.92
190.500	266.7	103.188	84.138	664961	0.48	1.41	2.11	1.22	67885	67820CD	X2S-	3.5	209	0.8	259	16.69
190.500	282.575	107.95	79.375	685080	0.42	1.62	2.42	1.41	87750	87112CD	X1S-	3.5	209	1.5	266.5	20.88
190.500	282.575	107.95	79.375	685772	0.42	1.62	2.42	1.41	87750	87112D	X1S-	3.5	209	1.5	266.5	20.16
190.500	317.5	146.05	111.125	1165840	0.52	1.29	1.92	1.12	93750	93127CD	X4S-	4.3	218	1.5	300	43.76
190.500	368.3	193.675	136.525	1857440	0.4	1.68	2.5	1.45	EE420751	421451CD	X2S-	6.4	227	1.5	334.5	84.09
192.088	266.7	103.188	84.138	662948	0.48	1.41	2.11	1.22	67887	67820CD	X1S-	10.5	223	0.8	259	15.89
193.675	282.575	107.95	79.375	684388	0.42	1.62	2.42	1.41	87762	87112CD	X1S-	3.5	211	1.5	266.5	19.88
193.675	282.575	107.95	79.375	683696	0.42	1.62	2.42	1.41	87762	87112D	X1S-87762	3.5	211	1.5	266.5	19.36
196.850	254	61.91	47.625	353920	0.4	1.7	2.53	1.47	L540049	L540010D	L540049XA	1.5	207	0.8	247	7.12
196.850	257.175	85.725	66.675	507357	0.45	1.51	2.25	1.31	LM739749	LM739710C	LM739749X	3.5	213	0.8	251	11.08
196.850	317.5	146.05	111.125	1170560	0.52	1.29</										

228.600	327.025	114.3	82.55	889200	0.41	1.66	2.47	1.44	8573	8520CD	X3S- 8573	6.4	255	1.5	313	28.35
228.600	355.6	152.4	111.125	1205360	0.59	1.14	1.7	0.99	96900	96140CD	X5S-96900	7	260	1.5	334	49.51
228.600	355.6	152.4	111.125	1342320	0.33	2.04	3.04	1.77	EE130902	131401CD	X1S-	6.8	257	1.5	330	48.3
228.600	355.6	152.4	114.3	1600560	0.47	1.43	2.12	1.24	HM746646	HM746610CD	HM746646X	6.4	258	1.5	339	55.05
228.600	358.775	152.4	117.475	1547520	0.33	2.03	3.02	1.76	M249732	M249710CD	M249732XA	3.5	256	1.5	343	56.44
228.600	400.05	187.325	136.525	1906560	0.44	1.54	2.29	1.33	EE430900	431576CD	X3S-	10.5	271	1.5	364	88.47
228.600	400.05	187.325	136.525	1895040	0.44	1.54	2.29	1.33	EE430902	431576CD	X2S-	19.8	290	1.5	364	86.76
228.600	488.95	254	152.4	3028650	0.94	0.72	1.07	0.62	HH949549	HH949510D	HH949549X	6.4	297	1.5	456	197
231.775	358.775	152.4	117.475	1542840	0.33	2.03	3.02	1.76	M249734	M249710CD	M249734XB	6.4	263	1.5	343	54.98
234.950	311.15	98.425	73.025	744717	0.36	1.86	2.77	1.61	LM446349	LM446310D	LM446349X	3.5	252	0.8	301	18.37
234.950	327.025	114.3	82.55	858206	0.41	1.66	2.47	1.44	8574	8520CD	X1S-8575	6.4	259	1.5	313	26.12
234.950	327.025	114.3	82.55	890100	0.41	1.66	2.47	1.44	8575	8520CD	X2S- 8575	6.4	259	1.5	313	26.16
234.950	355.6	152.4	111.125	1204140	0.59	1.14	1.7	0.99	96925	96140CD	X1S-96925	7	265	1.5	334	46.71
234.950	384.175	238.125	193.675	2992820	0.33	2.03	3.02	1.76	H247548	H247510CD	H247549XB	6.4	269	1.5	362	101.24
234.950	384.175	238.125	193.675	2828540	0.33	2.03	3.02	1.76	H247549	H247510CD	H247549XB	6.4	269	1.5	362	102.18
237.330	358.775	152.4	117.475	1544400	0.33	2.03	3.02	1.76	M249736	M249710CD	M249736XA	6.4	267	1.5	343	51.88
241.300	327.025	114.3	82.55	889200	0.41	1.66	2.47	1.44	8578	8520CD	X2S-8578	6.4	264	1.5	313	24.1
241.300	349.148	127	101.6	1120960	0.35	1.91	2.85	1.65	EE127095	127136CD	X2S-	6.4	267	1.5	329	34.96
241.300	368.3	120.65	85.725	943572	0.36	1.86	2.77	1.61	EE170950	171451CD	X1S -	6.4	269	1.5	337	39.99
241.300	46.4	155.575	107.95	1490370	0.4	1.68	2.5	1.45	EE275095	275161D	X3S-	6.4	278	1.5	378	73.44
241.300	46.4	215.9	184.15	2754980	0.33	2.03	3.02	1.76	H249148	H249111CD		6.4	273	1.5	385	104.29
244.475	380.898	171.45	127	1539150	0.52	1.31	1.95	1.13	EE126097	126149D		6.4	275	1.5	358	63.77
244.475	381	171.45	127	1532950	0.52	1.31	1.95	1.13	EE126097	126151CD	X1S-	6.4	275	1.5	358	65.08
247.650	368.3	120.65	85.725	947396	0.36	1.86	2.77	1.61	EE170975	171451CD	X1S-	6.4	274	1.5	337	37.53
247.650	381	158.75	123.825	1692900	0.33	2.03	3.02	1.76	M252337	M252310CD	LM249748X	6.4	280	1.5	363.5	62.36
249.250	380.898	171.45	127	1539150	0.52	1.31	1.95	1.13	EE126098	126149D	X1S-	6.4	279	1.5	358	62.71
249.250	381	171.45	127	1534500	0.52	1.31	1.95	1.13	EE126098	126151CD	X1S-	6.4	279	1.5	358	62.59
254.000	323.85	63.5	50.8	255936	0.35	1.95	2.9	1.69	29875	29820D	X2S-29875	1.5	267	0.8	312	11.03
254.000	347.662	95.25	69.85	560616	0.33	2.03	3.02	1.76	LM249748	LM249710C		3.5	272	1.5	333	22.69
254.000	358.775	152.4	117.475	1542840	0.33	2.03	3.02	1.76	M249749	M249710CD	M249749XC	3.5	274	1.5	343	44.8
254.000	365.125	130.175	98.425	1147240	0.37	1.8	2.69	1.56	EE134100	134144CD	X1S-	6.4	281	1.5	347	38.97
254.000	406.4	155.575	107.95	1494900	0.4	1.68	2.5	1.45	EE275100	275161D	X2S-	6.4	287	1.5	378	68.38
254.000	422.275	173.038	128.588	2203240	0.33	2.03	3.02	1.76	HM252343	HM252311D	HM252343X	6.8	287	1.5	399.5	84.11
254.000	422.275	173.038	128.588	2279300	0.33	2.03	3.02	1.76	HM252344	HM252311D	HM252343X	6.8	287	1.5	399.5	84.43
254.000	422.275	178.592	139.7	2212160	0.33	2.03	3.02	1.76	HM252343	HM252310C	HM252343X	6.8	287	1.5	399.5	85.43
254.000	422.275	178.592	139.7	2272400	0.33	2.03	3.02	1.76	HM252344	HM252310C	HM252343X	6.8	287	1.5	399.5	90.24
254.000	431.724	173.038	128.588	2207700	0.33	2.03	3.02	1.76	HM252343	HM252315D	HM252343X	6.8	287	1.5	398.5	90.46
254.000	431.724	173.038	128.588	2274700	0.33	2.03	3.02	1.76	HM252344	HM252315D		6.8	287	1.5	398.5	89.42
254.000	533.4	276.225	165.1	3602550	0.94	0.72	1.07	0.62	HH953749	HH953710D		6.4	328	1.5	495.5	252.22
260.350	365.125	130.175	98.425	1148400	0.37	1.8	2.69	1.56	EE134102	134144CD	X1S-	6.4	286	1.5	347	36.45
260.350	400.05	155.58	107.95	1391670	0.39	1.71	2.55	1.48	EE221026	221576CD	X1S-	9.7	296	1.5	371.5	59.7
260.350	419.1	184.15	136.525	1896960	0.6	1.12	1.66	0.97	EE435102	435165DC		6.4	295	1.5	395	87.65
260.350	419.1	184.15	136.525	1896960	0.6	1.12	1.66	0.97	EE435102	435165D	X2S-	6.4	295	1.5	395	88.83
260.350	422.275	173.038	128.588	2212160	0.33	2.03	3.02	1.76	HM252348	HM252311D	HM252347X	6.8	292	1.5	399.5	81.33
260.350	422.275	178.592	139.7	2201010	0.33	2.03	3.02	1.76	HM252348	HM252310C	HM252349X	6.8	292	1.5	399.5	82.22
260.350	422.275	178.592	139.7	2281600	0.33	2.03	3.02	1.76	HM252349	HM252310C	HM252349X	6.8	292	1.5	399.5	86.7
260.350	431.724	173.038	128.588	2214390	0.33	2.03	3.02	1.76	HM252348	HM252315D	HM252347X	6.8	292	1.5	398.5	87.68
260.350	431.724	173.038	128.588	2281600	0.33	2.03	3.02	1.76	HM252349	HM252315D	HM252347X	6.8	292	1.5	398.5	87.67
263.525	355.6	127	101.6	1191600	0.36	1.87	2.79	1.62	LM451345	LM451310C		3.5	283	1.5	343	32.91
266.700	323.85	63.5	50.8	255678	0.35	1.95	2.9	1.69	29880	29820CD	X1S-29880	1.5	277	0.8	312	9.05
266.700	323.85	63.5	50.8	256194	0.35	1.95	2.9	1.69	29880	29820D	X1S -	1.5	277	0.8	312	9.04
266.700	355.6	127	101.6	1186800	0.36	1.87	2.79	1.62	LM451349	LM451310C		3.5	285	1.5	343	31.73
266.700	393.7	157.162	109.538	1499430	0.4	1.68	2.5	1.45	EE275105	275156CD	X1S-	6.4	296	1.5	378	55.21
266.700	406.4	155.575	107.95	1499720	0.4	1.68	2.5	1.45	EE275105	275161D	X2S-	6.4	296	1.5	378	62.05
269.875	381	158.75	123.825	1687770	0.33	2.03	3.02	1.76	M252349	M252310CD	M252349XC	6.4	296	1.5	363.5	52.17
273.050	393.7	157.162	109.538	1491880	0.4	1.68	2.5	1.45	EE275108	275156CD	X1S-	6.4	301	1.5	378	51.95
273.050	406.4	155.575	107.95	1499430	0.4	1.68	2.5	1.45	EE275108	275161D	X2S-	6.4	301	1.5	378	58.76
279.400	469.9	200.025	149.225	2380800	0.38	1.79	2.66	1.55	EE722110	722186CD	X2S-	9.7	321	1.5	433	120.44
279.982	380.898	139.7	107.95	1221390	0.43	1.56	2.33	1.35	LM654642	LM654610C	LM654642X	3.5	302	1.5	368	43.44
280.192	406.4	120.65	85.725	1022790	0.41	1.65	2.46	1.43	EE101103	101601CD	X2S-	6.8	309	1.5	376	45.04
280.192	406.4	149.225	117.475	1562620	0.39	1.75	2.6	1.51	EE128110	128160CD	X2S-	6.8	309	1.5	384	55.92
280.192	406.4	149.225	117.475	1463720	0.39	1.75	2.6	1.51	EE128111	128160CD	X2S-	6.8	309	1.5	384	56.22
285.750	358.775	76.2	53.975	434720	0.49	1.37	2.04	1.19	545112	545142CD	X2S-	3.5	302	1.5	345	15.27
285.750	501.65	203.2	120.65	2302040	0.83	0.81	1.2	0.7	EE147112	147198CD	X1S-	6.4	329	3.3	468	145.2
288.925	406.4	165.1	130.175	2005640	0.34	2	2.97	1.73	M255449	M255410CD		6.4	316	1.5	388	62.8
292.100	469.9	200.025	149.225	2373600	0.38	1.79	2.66	1.55	EE722115	722186CD	X2S-	9.7	330	1.5	433	111.31
299.975	495.3	301.625	247.65	4855900	0.33	2.03	3.02	1.76	HH258248	HH258210C		6.4	342	1.5	467.5	229
300.038	422.275	174.625	136.525	1871900	0.34	2	2.99	1.73	HM256849	HM256810C		6.4	328	1.5	403.5	72.15
304.800	393.7	107.95	82.55	992000	0.36	1.88	2.8	1.63	L357049	L357010CD	L357049XA	6.4	329	1.5	380	29.83
304.800	444.5	146.05	98.425	1308120	0.38	1.79	2.66	1.55	EE291201	291751CD	X1S-	8	337	1.5	414	62.62
317.500	444.5	146.05	98.425	1308120	0.38	1.79	2.66	1.55	EE291250	291751CD	X1S-	8	346	1.5	414	55.13
330.200	482.6	177.8	127	2112960	0.39	1.73	2.57	1.49	EE526130	526191CD	X1S-	6.4	360	1.5	454	92.08
333.375	469.9	190.5	152.4													



488.950	634.873	180.975	136.525	2747840	0.47	1.43	2.12	1.24	LM772748	LM772710C	LM772748X	6.4	522	1.5	612	134.2
549.275	692.15	174.625	136.525	2566690	0.38	1.79	2.67	1.55	L476549	L476510CD	L476549XA	6.4	579	1.5	666	142.18
558.800	736.6	165.1	114.3	2363710	0.51	1.33	1.98	1.15	EE542220	542291CD	X2S-	6.4	594	3.3	705	166.76
558.800	736.6	225.425	177.8	4346100	0.35	1.95	2.9	1.69	LM377449	LM377410C	LM377449X	6.4	594	1.5	708	245.75
711.2	914.4	190.5	139.7	3503850	0.38	1.77	2.64	1.54	EE755280	755361CD	X1S-	6.4	750	3.3	877	292.59
723.9	914.4	187.325	139.7	3510950	0.38	1.77	2.64	1.54	EE755285	755361CD	X2S-	5.5	756	3.3	877	269.33
723.9	977.9	187.325	139.7	3521600	0.38	1.77	2.64	1.54	EE755285	755365CD		5.5	756	3.3	900	344.62
723.9	10030.3	187.325	139.7	3518050	0.38	1.77	2.64	1.54	EE755285	755367CD	X1S-	5.5	756	3.3	912	396.42