Principal dimensions (mm)			Basic load ratings (KN)		Pu	Speed ratings rpm (r/min)		Weight kg	Designation	ISO335	Dimensions (mm)							Abutment and fillet dimensions (mm)									Value		
基本尺寸			基本额定负荷			额定转速					尺寸							挡肩及倒角尺寸									计算系数		
d	D	T	dyc Cr 动态	stc Cor 静态	疲劳负荷极限	Speed Ratings 参考转速	Limiting Speed 极限转速	质量	型号	Dimensions (ABMA)	d	d_1 ~	B	C	$r_{1,2Min}$ $r_{1,2}$最小	$r_{3,4}$ Min $r_{3,4}$最小	a	d_{aMax} d_a最大	d_{bMin} d_b最小	DaMin Da最小	Da Max Da 最大	Db Min Db最小	Ca Min Ca 最小	Cb Min Cb 最小	r_{aMax} r_a最大	r_{bMax} r_b最大	e	Y	Yo
14.989	34.988	10.998	13.4	13.2	1.29	16000	24000	0.051	A4059/A4138	A4000	14.989	25.3	10.988	8.73	0.8	1.3	8	20	20	28	29	31	2	2	0.8	1.3	0.46	1.3	0.7
0.5906	1.3775	0.4326									0.5906		0.4326	0.3437	0.03	0.05													
15.875	41.275	14.288	25.5	21.2	2.16	15000	20000	0.09	*03062/03162/Q	3000	15.875	28.1	14.681	11.112	1.3	2	9	22	22	33.5	33.5	37	2	3	1.3	2	0.31	1.9	1.1
0.625	1.625	0.5625									0.625		0.578	0.4375	0.05	0.08													
15.875	42.862	14.288	17.6	17.6	1.83	12000	17000	0.1	11590/11520/Q	11500	15.875	31.1	14.288	9.525	1.5	1.5	13	23	23	32	36	38	2	4.5	1.5	1.5	0.72	0.84	0.45
0.625	1.6875	0.5625									0.625		0.5625	0.375	0.06	0.06													
17.462	39.878	13.843	24.5	20.8	2.12	15000	20000	0.081	*LM11749/710/Q	LM11700	17.462	28.9	14.605	10.668	1.3	1.3	9	23	23.5	33.5	33.5	36	2	3	1.3	1.3	0.28	2.1	1.1
0.6875	1.57	0.545									0.6875		0.575	0.42	0.05	0.05													
17.462	39.878	13.843	24.5	20.8	2.12	15000	20000	0.081	*LM11749/710/QVC027	LM11700	17.462	28.9	14.605	10.668	1.3	1.3	9	23	23.5	33.5	33.5	36	2	3	1.3	1.3	0.28	2.1	1.1
0.6875	1.57	0.545									0.6875		0.575	0.42	0.05	0.05													
19.05	45.237	15.494	31.5	27.5	29	13000	18000	0.12	*LM11949/910/Q	LM11900	19.05	31.4	16.637	12.065	1.3	1.3	10	25	25	38	38.5	41	3	3	1.3	1.3	0.3	2	1.1
0.75	1.781	0.61									0.75		0.655	0.475	0.05	0.05													
19.05	49.225	19.845	39.1	40	4.3	11000	17000	0.17	09067/09195/Q	9000	19.05	32.3	19.05	14.288	1.3	1.3	10	26	25	41	42.5	44	4	3.5	1.3	1.3	0.27	2.2	1.3
0.75	1.938	0.71									0.75		0.75	0.5625	0.05	0.05													
19.05	49.225	19.845	39.1	40	4.3	11000	17000	0.18	09074/09195/QVQ494	9000	19.05	32.3	21.539	14.288	1.5	1.3	10	26	26	41	42.5	44	5	5.5	1.5	1.3	0.27	2.2	1.3
0.75	1.938	0.71									0.75		0.848	0.5625	0.06	0.05													
21.43	45.237	15.494	27.5	31	3.2	11000	17000	0.12	LM12748/710	LM12700	21.43	34.3	16.637	12.065	1.3	1.3	10	28	27.5	39	40	42	3	3	1.3	1.3	0.31	1.9	1.1
0.8437	1.781	0.61									0.8437		0.655	0.475	0.05	0.05													
21.43	50.005	17.526	42.5	38	4.15	12000	16000	0.17	*M12649/610/Q	M12600	21.43	34.3	18.288	13.97	1.3	1.3	11	28	27.5	43	43.5	46	3	3.5	1.3	1.3	0.28	2.1	1.1
0.8437	1.9687	0.69									0.8437		0.72	0.55	0.05	0.05													
21.986	45.237	15.494	31.5	31	3.2	12000	17000	0.12	*LM12749/710/Q	LM12700	21.986	34.3	16.637	12.065	1.3	1.3	10	28	28	39	40	42	3	3	1.3	1.3	0.31	1.9	1.1
0.8656	1.781	0.61									0.8656		0.655	0.475	0.05	0.05													
21.986	45.974	15.494	31.5	31	3.2	12000	17000	0.12	*LM12749/711/Q	LM12700	21.986	34.3	16.637	12.065	1.3	1.3	10	28	28	39	40	42	3	3	1.3	1.3	0.31	1.9	1.1
0.8656	1.81	0.61									0.8656		0.655	0.475	0.05	0.05													
22.225	52.388	19.368	48	44	4.8	11000	15000	0.2	*1380/1328/Q	1300	22.225	36	20.168	14.288	1.5	1.5	11	29	29.5	45	45	48	4	5	1.5	1.5	0.3	2	1.1
0.875	2.0625	0.7625									0.875		0.749	0.5625	0.06	0.06													
0.875	2.0625	0.7625									0.875		0.749	0.5625	0.06	0.06													
25.4	50.292	14.224	30	30	3.05	11000	15000	0.13	*L44643/610/Q	L44600	25.4	39.1	14.732	10.668	1.3	1.3	11	33	31.5	43.5	43.5	47	2	3.5	1.3	1.3	0.37	1.6	0.9
1	1.98	0.56									1		0.58	0.42	0.05	0.05													
25.4	50.8	15.011	32	30.5	3.15	11000	15000	0.13	*07100S/07210X/Q	7000	25.4	37.3	14.26	12.7	1.5	1.5	12	31	32.5	41	43.5	48	2	2	1.5	1.5	0.4	1.5	0.8
1	2	0.591									1		0.5614	0.5	0.06	0.06													0.9
25.4	57.15	17.462	40.2	45.5	4.9	9000	13000	0.23	15578/15520	15500	25.4	42.3	17.462	13.495	1.3	1.5	12	35	31.5	49	50	53	3	3.5	1.3	1.5	0.35	1.7	
1	2.25	0.6875									1		0.6875	0.5313	0.05	0.06													
25.4	57.15	19.431	45.5	45	5	10000	13000	0.23	*M84548/2/510/2/QVQ50	M84500	25.4	42.5	19.431	14.732	1.5	1.5	16	33	32.5	45	50	53	3	4.5	1.5	1.5	0.54	1.1	0.6
1	2.25	0.765									1		0.765	0.58	0.06	0.06													
25.4	62	19.05	48.4	57	6.2	9500	14000	0.31	15101/15245	15000	25.4	45.8	20.638	14.288	0.8	1.3	13	38	30.5	54	55	58	4	4.5	0.8	1.3	0.35	1.7	0.9
1	2.4409	0.75									1		0.8125	0.5625	0.03	0.05													
26.157	61.912	19.05	56	57	6.2	9000	12000	0.29	*15103S/15243/Q	15000	26.157	45.8	20.638	14.288	0.8	2	13	38	31	54	55	54	4	4.5	0.8	2	0.35	1.7	0.9
1.0298	2.4375	0.75									1.0298		0.8125	0.5625	0.03	0.08													
26.157	62	19.05	56	57	6.2	9000	12000	0.29	*15103S/15245/Q	15000	26.157	45.8	20.638	14.288	0.8	1.3	13	38	31	54	55	58	4	4.5	0.8	1.3	0.35	1.7	0.9
1.0298	2.4409	0.75									1.0298		0.8125	0.5625	0.03	0.05													
26.988	50.292	14.224	30	30	3.05	11000	15000	0.11	*L44649/610/Q	L44600	26.988	38.2	14.732	10.668	3.5	1.3	11	33	38	43.5	44	47	2	3.5	3	1.3	0.37	1.6	0.9
1.0625	1.98	0.56									1.0625		0.58	0.42	0.14	0.05													
27.5	57.15	19.845	52	51	5.6	10000	13000	0.22	*1982F/1924A/QVQ519	1900	27.5	42	20.165	15.875	2.5	0.8	14	35	36.5	49	52	54	3	3.5	2.5	0.8	0.33	1.8	1
1.0826	2.25	0.7813									1.0826		0.7939	0.625	0.1	0.03													
28.575	57.15	19.845	54	55	6	10000	13000	0.22	*1985/1922/Q	1900	28.575	42	19.355	15.875	0.8	1.5	14	35	33.5	49	49.5	54	3	3.5	0.8	1.5	0.33	1.8	1
1.125	2.25	0.7813									1.125		0.762	0.625	0.03	0.06													
28.575	57.15	19.845	47.3	55	6	9000	13000	0.22	1988/1922/Q	1900	28.575	42	19.355	15.875	3.5	1.5	14	35	40	49	49.5	54	3	3.5	3	1.5	0.33	1.8	1
1.125	2.25	0.7813									1.125		0.762	0.625	0.14	0.06													
28.575	64.292	21.433	56	61	6.8	8500	11000	0.35	*M86647/610/QCL7C	M86600	28.575	48.8	21.433	16.67	1.5	1.5	18	38	36	51	56.5	60	3	4.5	1.5	1.5	0.54	1.1	0.6
1.125	2.5312	0.8438									1.125		0.8438	0.6563	0.06	0.06													
28.575	73.025	22.225	99	140	15	7000	10000	1.05	02872/02820/Q	2800	28.575	54.2	22.225	17.462	0.8	3.3	26	44	33.5	60	61.5	67	3	4.5	0.8	3	0.46	1.3	0.7
1.125	2.875	0.875									1.125		0.875	0.6875	0.03	0.13													
29	50.292	14.224	30	32.5	3.35	11000	14000	0.11	*L45449/410/Q	L45400	29	40.8	14.732	10.668	3.5	1.3	11	34	40	44	44	48	3	3.5	3	1.3	0.37	1.6	0.9
1.1417	19800	0.56									1.1417		0.58	0.42	0.14	0.05													
30.162	64.292	21.433	56	61	6.8	8500	11000	0.33	*M86649/2/610/2/QVQ50	M86600	30.162	48.8	21.433	16.67	1.5	1.5	18	37.5	3.5	51	56.5	60	3	4.5	1.5	1.5	0.54	1.1	0.6
1.1875	2.5312	9.8435									1.1875		0.8438	0.6563	0.06	0.06													
30.162	68.262	22.225	63	69.5	7.8	8000	11000	0.41	*M88043/010/2/QCL7C	M88000	30.162	52.3	22.225	17.462	2.3	1.5	19	41	39	54	60.5	64	3	4.5	2	1.5	0.54	1.1	0.6
1.1875	2.6875	0.875									1.1875		0.875	0.6875	0.09	0.06													
1.1875	2.6875	0.875									1.1875		0.875	0.6875	0.09	0.06													
31.75	59.131	15.875	40	41.5	4.4	9500	12000	0.18	*LM67048/010/Q	LM67000	31.75	44.9	16.764	11.811	3.6	1.3	13	38	42	51	53	55	3	4	3	1.3	0.4	1.5	0.8
1.25	2.328	0.625									1.25		0.66	0.465	0.14	0.05													
31.75	61.912	19.05	56	57	6.2	9000	12000	0.24	*15123/15243/Q	15000	31.75	45.8	19.05	14.288	4	2	13	38	44	54	55	58	4	3.5	3	2	0.35	1.7	0.9
1.25	2.4375	0.75									1.25		0.75	0.5625	0.16	0.08													
31.75	62	19.05	56	57	6.2	9000	12000	0.24	*15123/15245/Q	15000	31.75	45.8	19.05	14.288	4	1.3	13	38	44	54	55	58	4	3.5	3	1.3	0.35	1.7	0.9
1.25	2.4409	0.75									1.25		0.75	0.5625	0.16	0.05													
31.75	73.025	29.37	70.4	95	10.4	6700	10000	0.62	HM88542/510/Q	HM88500	31.75	56.9	27.783	23.02	1.3	3.3	23	42	38	55	62	69	3	6	1.3	3	0.54	1.1	0.6
1.25	2.875	1.1563									1.25		1.0938	0.9063	0.05	0.13													
31.75	73.025	29.37	81.5	95	10.4	7500	10000	0.62	*HM88542/2/510/2/QCL7	HM88500	31.75	56.9	27.783	23.02	1.3	3.3	23	42	38	55	62	69	3	6	1.3	3	0.54	1.1	0.6
1.25	2.875	1.1563									1.25		1.0938	0.9063	0.05	0.13													
33.338	68.262	22.225	63	69.5	7.8	8000	11000	0.38	*M88048/2/010/2/QCL7C	M88000	33.338	52.3	22.225	17.462	0.8	1.5	19	41	38.5	54	60.5	64	3	4.5	0.8	1.5	0.54	1.1	0.6
1.3125	2.6875	0.875									1.3125		0.875	0.6875	0.03	0.06													
33.338	69.012	19.845	53.9	67	7.35	7500	11000	0.35	14131/14276/Q	14000	33.338	50.7	19.583	15.875	0.8	1.3	15	43	38.5	47	61.5	63	3	3.5	0.8	1.3	0.37	1.6	0.9
1.3125	2.717	0.7813									1.3125		0.771	0.625	0.03	0.05													
34.925	65.088	18.034	54	57	6.2	8500	11000	0.25	*LM48548/510/Q	LM48500	34.925	50	18.288	13.97	3.5	1.3	14	42	46	57	58.5	61	3	4	3	1.3	0.37	1.6	0.9
1.375	2.5625	0.71									1.375		0.72	0.55	0.14	0.05													
34.925	65.088	18.034	54	57	6.2	8500	11000	0.25	*LM48548A/510/Q	LM48500	34.925	50	18.288	13.97	0.8	1.3	14	42	40	57	58.5	61	3	4	0.8	1.3	0.37	1.6	0.9
1.375	2.5625	0.71									1.375		0.72	0.55	0.03	0.05													
34.925	69.012	19.845	53.9	67	7.35	7500	11000	0.34	14137A/14276/Q	14000	34.925	50.7	19.583	15.875	1.5	1.3	15	43	42	47	61.5	63	3	3.5	1.5	1.3	0.37	1.6	0.9
1.375	2.717	0.7813									1.375		0.771	0.625	0.06	0.05													
34.925	72.233	25.4	78	90	10	7500	10000	0.5	*HM88649/2/610/2/QCL7	HM88600	34.925	55.9	25.4	19.842	2.3	2.3	20	42	44	57	63	68	5	5.5	2	2	0.54	1.1	0.6
1.375	2.8438	1									1.375		1	0.7812	0.09	0.09													
34.925	73.025	23.812	72.1	88	9.8	7000	10000	0.47	25877/2/25821/2/Q	25800	34.925	52.5	24.608	19.05	1.5	0.8	15	44	42	62	66.5	67	5	4.5	1.5	0.8	0.3	2	1.1
1.375	2.875	0.9375									1.375		0.9688	0.75	0.06	0.03													
34.925	73.025	26.988	88	93	10.4	8000	10000	0.52	*23690/23620/QCL7C	23600	34.925	52.3	26.975	22.225	3.5	1.5	19	42	46	59	65	67	3	4.5	3	1.5	0.37	1.6	0.9
1.375	2.875	1.0625									1.375		1.0625	0.875	0.14	0.6													
34.925	76.2	29.37	85.8	106	12	6700	10000	0.63	31594/31520/Q	31500	34.925	55.6	28.575	23.812	1.5	3.3	20	44	42	62	64.5	71	4	5.5	1.5	3	0.4	1.5	0.8
1.375	3	1.1563									1.375		1.125	0.9375	0.06	0.13													
34.925	76.2	29.37	90	106	11.8	7000	9500	0.66	*HM89446/2/410/2/QCL7	HM89400	34.925	59.3	28.575	23.02	3.5	3.3	23	44	46	58	65	72	3	6	3	3	0.54	1.1	0.6
1.375	3	1.1563									1.375		1.125	0.9063	0.14	0.13													
34.988	59.131	15.875	38	44	4.5	9000	12000	0.17	*L68149/110/Q	L68100	34.988	48.4	16.764	11.938	3.5	1.3	13	41	46	52	53.5	56	3	3.5	3	1.3	0.43	1.4	0.8

1.3775	2.328	0.625									1.3775		0.66	0.47	0.14	0.05														
34.988	59.974	15.875	38	44	4.5	9000	12000	0.17	*L68149/111/Q	L68100	34.988	48.4	16.764	11.938	3.5	1.3	13	41	46	52	53.5	56	3	3.5	3	1.3	0.43	1.4	0.8
1.3775	2.3612	0.625									1.3775		0.66	0.47	0.14	0.05														
1.3775	2.3612	0.625									1.3775		0.66	0.47	0.14	0.05														
35.717	72.233	25.4	78	90	10	7500	10000	0.5	*HM88648/610/Q	HM88600	35.717	55.9	25.4	19.842	3.5	2.3	20	42	47	57	63	68	5	5.5	3	2	0.54	1.1	0.6
1.4062	2.8438	1									1.4062		1	0.7812	0.14	0.09														
36.487	73.025	23.812	83	88	9.8	8000	10000	0.45	*25880/25820/Q	25800	36.487	52.5	24.608	19.05	1.5	2.3	15	44	43.5	62	66.5	67	5	4.5	1.5	2	0.3	2	1.1
1.4365	2.875	23.812									1.4365		0.9688	0.75	0.06	0.09														
36.512	76.2	29.37	90	106	11.8	7000	9500	0.64	*HM89449/2/410/2/QCL7	HM89400	36.512	59.3	28.575	23.02	3.5	3.3	23	44	47.5	58	65	72	3	6	3	3	0.54	1.1	0.6
1.4375	3	1.1563									1.4375		1.125	0.9063	0.14	0.13														
38.1	65.088	18.034	50	57	6.1	8000	11000	0.25	*LM29748/710/Q	LM29700	38.1	51.8	18.288	13.97	2.3	1.3	15	44	47	58	58	61	2	4	2	1.3	0.33	1.8	1
1.5	2.5625	0.71									1.5		0.72	0.55	0.09	0.05														
38.1	65.088	18.034	50	57	6.1	8000	11000	0.25	*LM29749/710/QCL7CVA 607	LM29700	38.1	51.8	18.288	13.97	2.3	1.3	15	44	47	58	58	61	2	4	2	1.3	0.33	1.8	1
1.5	2.5625	0.71									1.5		0.72	0.55	0.09	0.05														
38.1	65.088	19.812	50	57	6.1	8000	11000	0.25	*LM29749/711/Q	LM29700	38.1	51.8	18.288	15.748	2.3	1.3	15	44	47	57	58.5	61	2	4	2	1.3	0.33	1.8	1
1.5	2.5625	0.78									1.5		0.72	0.62	0.09	0.05														
38.1	65.088	19.812	50	57	6.1	8000	11000	0.25	*LM29749/711/QCL7CVA 607	LM29700	38.1	51.8	18.288	15.748	2.3	1.3	15	44	47	57	58.5	61	2	4	2	1.3	0.33	1.8	1
1.5	2.5625	0.78									1.5		0.72	0.62	0.09	0.05														
38.1	72.238	20.638	56	60	6.55	8000	10000	0.39	*16150/16284/Q	16000	38.1	53.8	20.638	15.875	3.5	1.3	19	45	49.5	58	65	66	3	4.5	3	1.3	0.4	1.5	0.8
1.5	2.844	0.8125									1.5		0.8125	0.5625	0.14	0.05														
38.1	72.238	23.812	56	60	6.55	8000	10000	0.39	*16150/16283/Q	16000	38.1	53.8	20.638	19.05	3.5	2.3	19	45	49.5	58	63	66	3	4.5	3	2	0.4	1.5	0.8
1.5	2.844	0.9375									1.5		0.8125	0.75	0.14	0.09														
38.1	76.2	23.812	86.5	93	10.4	7500	10000	0.5	*2788/2720/QCL7C	2700	38.1	54.8	25.654	19.05	3.5	3.3	16	46	49.5	64	65	69	5	4.5	3	3	0.3	2	1.1
1.5	3	0.9375									1.5		1.01	0.75	0.14	0.13														
38.1	79.375	29.37	104	110	12.5	7000	9500	0.67	*3490/3420/QCL7CVQ49	3400	38.1	57.3	29.771	23.812	3.5	3.3	20	46	49.5	65	68	73	4	5.5	3	3	0.37	1.6	0.9
1.5	3.125	1.1563									1.5		1.1721	0.9375	0.14	0.13														
38.1	82.55	29.37	100	118	13.4	6700	8500	0.78	*HM801346/310/Q	HM801300	38.1	64.1	28.575	23.02	0.8	3.3	24	49	43	64	71	78	4	6	0.8	3	0.54	1.1	0.6
1.5	3.25	1.1563									1.5		1.125	0.9063	0.03	0.13														
38.1	82.55	29.37	100	118	13.4	6700	8500	0.77	*HM801346X/2/310/QVQ 523	HM801300	38.1	64.1	28.575	23.02	2.3	3.3	24	49	47	64	71	78	4	6	2	3	0.54	1.1	0.6
1.5	3.25	1.1563									1.5		1.125	0.9063	0.09	0.13														
38.1	88.5	26.988	101	114	13.2	6300	9000	0.83	418/414/Q	415	38.1	58.8	29.083	22.225	3.5	1.5	17	49	49.5	73	80.5	78	5	4.5	3	1.5	0.26	2.3	1.3
1.5	3.4843	1.0625									1.5		1.145	0.875	0.14	0.06														
39.688	73.025	25.654	76.5	86.5	9.3	7500	10000	0.45	*M201047/011/Q	M201000	39.688	55.7	22.098	21.336	0.8	2.3	19	47	45	62	63.5	69	4	4.5	0.8	2	0.33	1.8	1
1.5625	2.875	1.01									1.5625		0.87	0.84	0.03	0.09														
40.988	67.975	17.5	50	58.5	6.3	8000	10000	0.24	*LM300849/811/Q	LM300800	40.988	54.3	18	13.5	3.6	1.5	14	48	48.5	60	60	64	3	4	3.5	1.5	0.35	1.7	0.9
1.6137	2.6762	0.689									1.6137		0.7087	0.5313	0.14	0.06														
1.6137	2.6762	0.689									1.6137		0.7087	0.5313	0.14	0.06														
41.275	73.025	16.667	54	56	6.2	7500	10000	0.27	*18590/18520/Q	18500	41.275	56.1	17.462	12.7	3.5	1.5	14	49	52.5	65	65	68	3	3.5	3	1.5	0.35	1.7	0.9
1.625	2.875	0.6562									1.625		0.6875	0.5	0.14	0.06														
41.275	73.431	19.558	63	68	7.65	7500	10000	0.33	*LM501349/310/Q	LM501300	41.275	56.6	19.812	14.732	3.5	0.8	16	48	52.5	64	68	69	4	4.5	3	0.8	0.4	1.5	0.8
1.625	2.891	0.77									1.625		0.78	0.58	0.14	0.03														
41.275	73.431	19.558	63	68	7.65	7500	10000	0.33	*LM501349/2/310/2/QCL7 C	LM501300	41.275	56.6	19.812	14.732	3.5	0.8	16	48	52.5	64	68	69	4	4.5	3	0.8	0.4	1.5	0.8
1.625	2.891	0.77									1.625		0.78	0.58	0.14	0.03														
41.275	73.431	21.43	63	68	7.65	7500	10000	0.35	*LM501349/314/Q	LM501300	41.275	56.6	19.812	16.604	3.5	0.8	18	48	52.5	63	68	69	3	4.5	3	0.8	0.4	1.5	0.8
1.625	2.891	0.8437									1.625		0.78	0.6537	0.14	0.03														
41.275	76.2	18.009	52	56	6.1	7000	9500	0.34	*11162/11300/Q	11000	41.275	58.1	17.384	14.288	1.5	1.5	17	50	49	65	68	71	3	4.5	1.5	1.5	0.48	1.25	0.7
1.625	3	0.709									1.625		0.6844	0.5625	0.06	0.06														
41.275	76.2	18.009	52	56	6.1	7000	9500	0.34	*11163/11300/Q	11000	41.275	58.1	17.384	14.288	0.8	1.5	17	50	46	65	68	71	3	4.5	0.8	1.5	0.48	1.25	0.7
1.625	3	0.709									1.625		0.6844	0.5625	0.03	0.06														
41.275	76.2	22.225	68.2	86.5	9.65	6700	9500	0.43	24780/24720/Q	24700	41.275	57.7	23.02	17.462	3.5	0.8	17	48	52.5	64	64	71	3	3.5	3	0.8	0.4	1.5	0.8
1.625	3	0.875									1.625		0.9063	0.6875	0.14	0.03														
41.275	82.55	26.543	85	91.5	10.6	6700	9000	0.62	*M802048/011/QCL7C	M802000	41.275	62.5	25.654	20.193	3.5	3.3	22	50	52.5	66	71	78	4	6	3	3	0.54	1.1	0.6
1.625	3.25	1.045									1.625		1.01	0.795	0.14	0.13														
41.275	87.312	30.162	102	132	15	6000	8500	0.85	3585/3525/Q	3500	41.275	63.1	30.886	23.812	1.5	3.3	20	53	49	73	76	80	4	6	1.5	3	0.31	1.9	1.1
1.625	3.4375	1.1875									1.625		1.216	0.9375	0.06	0.13														
41.275	88.9	30.162	108	127	14.6	6000	8000	0.9	*HM803146/110/Q	HM803100	41.275	68.9	29.37	23.02	3.5	3.3	26	53	52.5	70	78	84	4	7	3	3	0.54	1.1	0.6
1.625	3.5	1.1875									1.625		1.1563	0.9063	0.14	0.13														
41.275	88.9	30.162	108	127	14.6	6000	8000	0.9	*HM803146/2/110/2/QCL 7C	HM803100	41.275	68.9	29.37	23.02	3.5	3.3	26	53	52.5	70	78	84	4	7	3	3	0.54	1.1	0.6
1.625	3.5	1.1875									1.625		1.1563	0.9063	0.14	0.13														
41.275	101.6	34.925	151	190	22.8	5000	7500	1.45	526/522/Q	525	41.275	72.9	36.068	26.988	3.5	3.3	22	61	52.5	87	90.5	94	6	7.5	3	3	0.28	2.1	1.1
1.625	4	1.375									1.625		1.42	1.0625	0.14	0.13														
42.875	82.931	23.812	80.9	106	12	6000	9000	0.57	25577/2/25520/2/Q	25500	42.875	62.1	25.4	19.05	3.5	0.8	17	53	54	71	77	76	5	4.5	3	0.8	0.33	1.8	1
1.688	3.265	0.9375									1.688		1	0.75	0.14	0.03														
42.875	83.058	23.876	80.9	106	12	6000	9000	0.57	25577/2/25523/2/Q	25500	42.875	62.1	25.4	22.225	3.5	2.3	20	53	54	70	74	76	3	4.5	3	2	0.33	1.8	1
1.688	3.27	0.94									1.688		1	0.875	0.14	0.09														
1.688	3.27	0.94									1.688		1	0.875	0.14	0.09														
44.45	82.931	23.812	80.9	106	11.8	6000	9000	0.57	25580/25520/Q	25500	44.45	62.1	25.4	19.05	3.5	0.8	17	53	55.5	71	76	76	5	4.5	3	0.8	0.33	1.8	1
1.75	3.265	0.9375									1.75		1	0.75	0.14	0.03														
44.45	82.931	26.988	80.9	106	11.8	6000	9000	0.57	25580/25523/Q	25500	44.45	62.1	25.4	22.225	3.5	2.3	20	53	55.5	70	73	76	3	4.5	3	2	0.33	1.8	1
1.75	3.265	1.0625									1.75		1	0.875	0.14	0.09														
44.45	83.058	23.876	80.9	106	11.8	6000	9000	0.57	25580/25522/Q	25500	44.45	62.1	25.4	19.114	3.5	2	17	53	55.5	71	74	76	5	4.5	3	2	0.33	1.8	1
1.75	3.27	0.94									1.75		1	0.7525	0.14	0.08														
44.45	88.9	30.162	108	127	14.6	6000	8000	1.5	*HM803149/110/Q	HM803100	44.45	68.9	29.37	23.02	3.5	3.3	26	53	55.5	70	78	84	4	7	3	3	0.54	1.1	0.6
1.75	3.5	1.1875									1.75		1.563	0.9063	0.14	0.13														
44.45	88.9	30.162	108	127	14.6	6000	8000	1.5	*HM803149/2/110/2/QCL 7C	HM803100	44.45	68.9	29.37	23.02	3.5	3.3	26	53	55.5	70	78	84	4	7	3	3	0.54	1.1	0.6
1.75	3.5	1.1875									1.75		1.563	0.9063	0.14	0.13														
44.45	92.25	30.958	116	122	14	5300	7000	1	*HM903249/2/210/2/Q	HM903200	44.45	71.6	28.575	22.225	3.5	0.8	30	53	55.5	71	88	90	4	8.5	3	0.8	0.75	0.8	0.45
1.75	3.75	1.2188									1.75		1.125	0.875	0.14	0.03														
44.45	92.25	30.958	116	122	14	5300	7000	1	*HM903249/W/210/QCL7 C	HM903200	44.45	71.6	28.575	22.225	3.5	0.8	30	53	55.5	71	88	90	4	8.5	3	0.8	0.75	0.8	0.45
1.75	3.75	1.2188									1.75		1.125	0.875	0.14	0.03														
44.45	95.25	30.958	88	96.5	11.4	5000	7000	0.93	53178/53377/Q	53000	44.45	69.4	28.3	20.638	2	2.3	30	53	52.5	72	86	89	4	10	2	2	0.75	0.8	0.45
1.75	3.75	1.2188									1.75		1.1142	0.8125	0.08	0.09														
44.45	104.775	36.512	170	204	22.4	5000	6700	1.5	*HM807040/010/QCL7C	HM807000	44.45	81	36.512	28.575	3.5	3.3	28	63	55.5	85	93	100	4	7.5	3	3	0.48	1.25	0.7
1.75	4.125	1.4375									1.75		1.4375	1.125	0.14	0.13														
44.45	107.95	38.1	151	190	22.8	4800	7000	1.85	535/532A	535	44.45	76.5	36.957	28.575	3.5	3.3	24	64	55.5	90	95.5	97	5	7.5	3	3	0.3	2	1.1
1.75	4.25	1.5									1.75		1.455	1.125	0.14	0.13														
44.45	107.95	38.1	151	190	22.8	4800	7000	1.7	535/532X	535	44.45	76.5	36.957	30.162	3.5	3.3	24	64	55.5	90	95.5	97	5	7.5	3	3	0.3	2	1.1
1.75	4.25	1.5									1.75		1.455	1.1875	0.14	0.13														
45.237	87.313	30.162	102	132	15	6000	8500	0.85	3586/3525/Q	3500	45.237	56	30.886	23.812	3.5	3.3	20	53	57	73	76	80	4	6	3	3	0.31	1.9	1.1
1.781	3.4375	1.1875									1.781		1.216	0.9375	0.14	0.13														
45.242	73.431	19.558	62	75	8.15	7000	9500	0.3	*LM102949/910/Q	LM102900	45.242	59.4	19.812	15.748	3.5	0.8	15	52	57	66	68	70	3	3.5	3	0.8	0.3	2	1.1

1.7812	2.891	0.77									1.7812		0.78	0.62	0.14	0.03													
45.242	77.788	19.842	62	69.5	7.65	7000	9000	0.37	*LM603049/011/Q	LM603000	45.242	60.9	19.842	15.08	3.5	0.8	17	52	57	68	72	74	4	4.5	3	0.8	0.43	1.4	0.8
1.7812	3.0625	0.7812									1.7812		0.7812	0.5937	0.14	0.03													
45.618	82.931	23.812	80.9	106	11.8	6000	9000	0.55	25590/25520/Q	25500	45.618	62.1	25.4	19.05	3.5	0.8	17	53	57	71	77	76	5	4.5	3	0.8	0.33	1.8	1
1.796	3.265	0.9375									1.796		1	0.75	0.14	0.03													
45.618	82.931	26.988	80.9	106	11.8	6000	9000	0.55	25590/25523/Q	25500	45.618	62.1	25.4	22.225	3.5	2.3	20	53	57	71	74	76	3	4.5	3	2	0.33	1.8	1
1.796	3.25	1.0625									1.796		1	0.875	0.14	0.09													
45.618	83.058	23.876	80.9	106	11.8	6000	9000	0.55	25590/25522/Q	25500	45.618	62.1	25.4	19.114	3.5	2	17	53	57	71	74.5	76	5	4.5	3	2	0.33	1.8	1
1.796	3.27	0.94									1.796		1	0.7525	0.14	0.08													
1.796	3.27	0.94									1.796		1	0.7525	0.14	0.08													
46.038	79.375	17.462	57	62	6.8	7000	9000	0.33	**18690/18620/Q	18600	46.038	60.3	17.462	13.495	2.8	1.5	15	53	56.5	69	72	73	3	3.5	2.5	1.5	0.37	1.6	0.9
1.8105	3.125	0.6875									1.8105		0.6875	0.5313	0.11	0.06													
46.038	85	20.638	81.5	81.5	9.3	6700	8500	0.49	*359S/354X/Q	355	46.038	62.4	21.692	17.463	2.3	1.5	16	55	55	76	77.5	80	3	3	2	1.5	0.31	1.9	1.1
1.8105	3.3465	0.8125									1.8105		0.854	0.6875	0.09	0.06													
47.625	88.9	23.812	76.5	91.5	10.4	5600	8000	0.55	369S/2/362A/2/Q	365	47.625	62.4	22.225	16.513	2.3	1.3	16	55	56.5	76	82.5	80	3	3	2	1.3	0.31	1.9	1.1
1.875	3.5	0.9375									1.875		0.875	0.6501	0.09	0.05													
47.625	95.25	30.162	108	146	17.3	5000	7500	0.95	HM804846/2/810/2/Q	HM804800	47.625	73.6	29.37	23.02	3.5	3.3	26	58	59	76	84	90	5	7	3	3	0.54	1.1	0.6
1.875	3.75	1.1875									1.875		1.1563	0.9063	0.14	0.13													