

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead												
[in]	[ANSI]	[in]	[in]	[in]	[N/A]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	[Turns]
2	150	0.875	0.125	0.250	0.43	291	132	2	3	3968	1799	30	40	2.88	73	11.5
	300	0.875	0.125	0.250	0.43	661	300	5	7	3968	1799	30	40	2.88	73	11.5
	400	0.875	0.125	0.250	0.43	882	400	7	9	3968	1799	30	40	2.88	73	11.5
	600	0.875	0.125	0.250	0.43	1323	600	10	14	3968	1799	30	40	2.88	73	11.5
	900	0.875	0.125	0.250	0.43	1984	900	15	21	3968	1799	30	40	2.88	73	11.5
	1500	0.875	0.125	0.250	0.43	3308	1500	25	35	6616	3000	50	67	2.88	73	11.5
	2500	0.875	0.125	0.250	0.43	5513	2501	42	58	11026	5001	84	113	2.88	73	11.5
3	150	0.875	0.125	0.250	0.43	518	235	4	5	7056	3200	54	73	3.88	98	15.5
	300	0.875	0.125	0.250	0.43	1176	533	9	12	7056	3200	54	73	3.88	98	15.5
	400	0.875	0.125	0.250	0.43	1568	711	12	16	7056	3200	54	73	3.88	98	15.5
	600	0.875	0.125	0.250	0.43	2352	1067	18	25	7056	3200	54	73	3.88	98	15.5
	900	0.875	0.125	0.250	0.43	3528	1600	27	37	7056	3200	54	73	3.88	98	15.5
	1500	0.875	0.125	0.250	0.43	5881	2668	45	61	11762	5335	90	122	3.88	98	15.5
	2500	0.875	0.125	0.250	0.43	9801	4446	75	102	19602	8891	150	203	3.88	98	15.5
4	150	1.000	0.125	0.250	0.36	1000	454	9	12	17700	8028	162	219	5.50	140	22.0
	300	1.000	0.125	0.250	0.35	2950	1338	28	38	17700	8028	167	226	5.50	140	22.0
	400	1.000	0.125	0.250	0.35	3950	1792	37	51	17700	8028	167	226	5.50	140	22.0
	600	1.000	0.125	0.250	0.35	5900	2676	56	76	17700	8028	167	226	5.50	140	22.0
	900	1.000	0.125	0.250	0.35	8850	4014	84	114	17700	8028	167	226	5.50	140	22.0
	1500	1.000	0.125	0.250	0.35	14700	6668	139	189	29400	13335	278	376	5.50	140	22.0
	2500	1.000	0.125	0.250	0.36	24500	11113	225	306	49000	22226	450	610	7.00	178	28.0
6	150	1.500	0.166	0.333	0.32	2050	930	28	38	27600	12519	380	515	7.00	178	21.0
	300	1.500	0.166	0.333	0.32	4600	2087	63	86	27600	12519	380	515	7.00	178	21.0
	400	1.500	0.166	0.333	0.32	6150	2790	85	115	27600	12519	380	515	7.00	178	21.0
	600	1.500	0.166	0.333	0.32	9200	4173	127	172	27600	12519	380	515	7.00	178	21.0
	900	1.500	0.166	0.333	0.32	13800	6260	190	258	27600	12519	380	515	7.00	178	21.0
	1500	1.500	0.166	0.333	0.32	22900	10387	316	428	45800	20774	631	855	7.00	178	21.0
	2500	1.500	0.166	0.333	0.33	38000	17237	508	689	76000	34473	1015	1376	7.00	178	21.0

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead												
[in]	[ANSI]	[in]	[in]	[in]	[N/A]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	[Turns]
8	150	1.500	0.166	0.333	0.32	3300	1497	45	62	44400	20139	611	828	9.06	230	27.2
	300	1.500	0.166	0.333	0.32	7400	3357	102	138	44400	20139	611	828	9.06	230	27.2
	400	1.500	0.166	0.333	0.32	9850	4468	136	184	44400	20139	611	828	9.06	230	27.2
	600	1.500	0.166	0.333	0.32	14800	6713	204	277	44400	20139	611	828	9.06	230	27.2
	900	1.500	0.166	0.333	0.32	22200	10070	306	415	44400	20139	611	828	9.06	230	27.2
	1500	1.500	0.166	0.333	0.32	41500	18824	572	776	83000	37648	1143	1549	9.06	230	27.2
	2500	1.500	0.166	0.333	0.33	61300	27805	819	1111	122600	55610	1638	2220	9.06	230	27.2
10	150	1.500	0.166	0.333	0.32	4850	2200	67	91	65800	29846	906	1228	11.38	289	34.2
	300	1.500	0.166	0.333	0.32	11000	4990	152	206	65800	29846	906	1228	11.38	289	34.2
	400	1.500	0.166	0.333	0.32	14600	6622	201	273	65800	29846	906	1228	11.38	289	34.2
	600	1.500	0.166	0.333	0.32	21900	9934	302	409	65800	29846	906	1228	11.38	289	34.2
	900	1.500	0.166	0.333	0.32	32900	14923	453	615	65800	29846	906	1228	11.38	289	34.2
	1500	1.750	0.200	0.400	0.33	60200	27306	966	1310	120400	54612	1932	2619	11.38	289	28.4
	2500	1.750	0.200	0.400	0.34	91100	41322	1420	1925	182200	82644	2839	3849	12.25	311	30.6
12	150	1.500	0.166	0.333	0.32	6700	3039	92	125	90600	41095	1248	1692	13.50	343	40.5
	300	1.500	0.166	0.333	0.32	15100	6849	208	282	90600	41095	1248	1692	13.50	343	40.5
	400	1.500	0.166	0.333	0.32	20200	9163	278	377	90600	41095	1248	1692	13.50	343	40.5
	600	1.500	0.166	0.333	0.32	30200	13698	416	564	90600	41095	1248	1692	13.50	343	40.5
	900	1.500	0.166	0.333	0.32	45300	20548	624	847	90600	41095	1248	1692	13.50	343	40.5
	1500	2.000	0.250	0.500	0.36	75100	34065	1382	1873	150200	68129	2763	3746	14.00	356	28.0
	2500	2.250	0.250	0.500	0.33	126000	57153	2529	3428	252000	114305	5057	6856	14.00	356	28.0
14	150	1.500	0.166	0.333	0.32	7800	3538	108	146	70800	32114	975	1321	14.63	371	43.9
	300	1.500	0.166	0.333	0.32	17700	8029	244	331	70800	32114	975	1321	14.63	371	43.9
	400	1.500	0.166	0.333	0.32	23600	10705	325	441	70800	32114	975	1321	14.63	371	43.9
	600	1.500	0.166	0.333	0.32	35400	16057	488	662	70800	32114	975	1321	14.63	371	43.9
	900	1.750	0.200	0.400	0.33	53000	24040	851	1154	106000	48080	1701	2306	14.63	371	36.6
	1500	2.000	0.250	0.500	0.36	88400	40098	1626	2205	176800	80195	3252	4409	14.63	371	29.3
	2500	2.250	0.250	0.500	0.33	148000	67132	2970	4027	296800	134626	5956	8075	0.00	0	0.0

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead												
[in]	[ANSI]	[in]	[in]	[in]	[N/A]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	[Turns]
16	150	1.500	0.166	0.333	0.32	9950	4513	137	186	45200	20502	622	843	16.63	422	49.9
	300	1.500	0.166	0.333	0.32	22600	10251	311	422	45200	20502	622	843	16.63	422	49.9
	400	1.500	0.166	0.333	0.32	30100	13653	415	562	60200	27306	829	1123	16.63	422	49.9
	600	1.750	0.200	0.400	0.33	45100	20457	724	982	90200	40914	1448	1963	16.63	422	41.6
	900	2.000	0.250	0.500	0.35	67600	30663	1279	1734	135200	61325	2558	3468	16.63	422	33.3
	1500	2.250	0.250	0.500	0.32	120000	54431	2483	3367	2400000	1088621	49668	67340	16.63	422	33.3
18	150	1.500	0.166	0.333	0.32	12400	5625	171	232	56000	25401	771	1045	18.81	478	56.5
	300	1.500	0.166	0.333	0.32	28000	12701	386	523	56000	25401	771	1045	18.81	478	56.5
	400	1.750	0.200	0.400	0.33	37300	16919	599	812	74600	33837	1197	1622	18.81	478	47.0
	600	2.000	0.250	0.500	0.35	56000	25401	1060	1437	112000	50802	2119	2872	18.81	478	37.6
	900	2.250	0.250	0.500	0.32	83900	38056	1736	2354	167800	76112	3472	4707	18.81	478	37.6
	1500	2.625	0.333	0.666	0.36	148000	67132	3626	4917	296000	134263	7252	9832	18.81	478	28.2
20	150	1.500	0.166	0.333	0.32	15700	7121	216	293	31400	14242	432	585	21.00	533	63.1
	300	1.750	0.200	0.400	0.33	35600	16148	572	775	71200	32295	1143	1549	21.00	533	52.5
	400	2.000	0.250	0.500	0.35	47500	21546	899	1219	95000	43091	1797	2436	21.00	533	42.0
	600	2.000	0.250	0.500	0.35	71200	32296	1347	1827	142400	64591	2694	3652	21.00	533	42.0
	900	2.375	0.333	0.666	0.38	107000	48534	2484	3368	214000	97068	4967	6734	21.00	533	31.5
	1500	3.125	0.400	0.800	0.36	178000	80739	5239	7103	356000	161478	10478	14206	21.00	533	26.3
22	150	1.750	0.200	0.400	0.33	18700	8482	300	407	37400	16964	600	813	23.00	584	57.5
	300	2.000	0.250	0.500	0.35	42400	19232	802	1088	87800	39825	1661	2252	23.00	584	46.0
	400	2.000	0.250	0.500	0.35	56500	25628	1069	1449	113000	51255	2138	2898	23.00	584	46.0
	600	2.250	0.250	0.500	0.32	84700	38419	1753	2377	169400	76838	3505	4752	23.00	584	46.0
	900	2.375	0.333	0.666	0.38	128000	58060	2971	4029	256000	116119	5942	8056	23.00	584	34.5
	1500	3.125	0.400	0.800	0.36	217000	98430	6387	8660	434000	196859	12774	17319	23.00	584	28.8

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead		[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	
[in]	[ANSI]	[in]	[in]	[in]	[N/A]											[Turns]
24	150	1.750	0.200	0.400	0.33	22800	10342	366	496	45600	20683	732	992	25.19	640	63.0
	300	2.000	0.250	0.500	0.35	51700	23451	978	1326	103400	46901	1956	2651	25.19	640	50.4
	400	2.250	0.250	0.500	0.32	68900	31253	1426	1933	137800	62505	2851	3865	25.19	640	50.4
	600	2.375	0.333	0.666	0.38	104000	47174	2414	3273	208000	94347	4828	6545	25.19	640	37.8
	900	2.625	0.333	0.666	0.36	155000	70307	3798	5149	310000	140613	7596	10298	25.19	640	37.8
	1500	3.375	0.400	0.800	0.34	259000	117480	8072	10944	518000	234960	16143	21886	25.19	640	31.5
26	150	2.000	0.250	0.500	0.35	26400	11975	500	677	52800	23949	999	1354	27.06	687	54.1
	300	2.250	0.250	0.500	0.32	59800	27125	1238	1678	119600	54249	2475	3355	27.06	687	54.1
	400	2.375	0.333	0.666	0.38	79700	36151	1850	2508	159400	72302	3700	5016	27.06	687	40.6
	600	2.625	0.333	0.666	0.36	120000	54431	2940	3987	240000	108862	5880	7972	27.06	687	40.6
	900	2.875	0.400	0.800	0.38	180000	81647	5019	6805	360000	163293	10038	13609	27.06	687	33.8
	1500	3.375	0.400	0.800	0.34	377000	171004	11749	15930	754000	342008	23498	31859	27.06	687	33.8
28	150	2.000	0.250	0.500	0.35	30200	13698	571	775	60400	27396	1142	1548	29.00	737	58.0
	300	2.375	0.333	0.666	0.38	68400	31026	1588	2153	136800	62051	3175	4304	29.00	737	43.5
	400	2.625	0.333	0.666	0.36	91200	41368	2235	3030	182400	82735	4469	6059	29.00	737	43.5
	600	2.875	0.400	0.800	0.38	137000	62142	3820	5179	274000	124284	7640	10358	29.00	737	36.3
	900	3.125	0.400	0.800	0.36	206000	93440	6063	8221	412000	186880	12126	16440	29.00	737	36.3
30	150	2.250	0.250	0.500	0.32	34300	15558	710	962	68600	31116	1419	1923	31.25	794	62.5
	300	2.625	0.333	0.666	0.36	77700	35244	1904	2581	155400	70488	3807	5161	31.25	794	46.9
	400	2.875	0.400	0.800	0.38	104000	47174	2900	3932	208000	94347	5799	7862	31.25	794	39.1
	600	3.125	0.400	0.800	0.36	156000	70760	4592	6225	312000	141520	9183	12450	31.25	794	39.1
	900	3.375	0.400	0.800	0.34	233000	105687	7261	9845	466000	211374	14522	19689	31.25	794	39.1
32	150	2.375	0.333	0.666	0.38	38600	17509	896	1215	77200	35017	1792	2429	33.25	845	49.9
	300	2.875	0.400	0.800	0.38	87500	39689	2440	3308	175000	79378	4879	6615	33.25	845	41.6
	400	2.875	0.400	0.800	0.38	117000	53070	3262	4423	234000	106140	6524	8845	33.25	845	41.6
	600	3.125	0.400	0.800	0.36	175000	79379	5151	6984	350000	158757	10301	13966	33.25	845	41.6
	900	3.625	0.400	0.800	0.32	263000	119295	8709	11807	526000	238589	17417	23614	33.25	845	41.6

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		Size	Pitch	Lead												
[in]	[ANSI]	[in]	[in]	[in]	[N/A]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	[Turns]
34	150	2.625	0.333	0.666	0.36	43200	19595	1059	1435	86400	39190	2117	2870	35.25	895	52.9
	300	2.875	0.400	0.800	0.38	98000	44452	2733	3705	196000	88904	5465	7409	35.25	895	44.1
	400	3.125	0.400	0.800	0.36	131000	59421	3856	5228	262000	118841	7711	10454	35.25	895	44.1
	600	3.375	0.400	0.800	0.34	196000	88904	6108	8282	392000	177808	12216	16562	35.25	895	44.1
	900	3.875	0.500	1.000	0.36	294000	133356	10817	14666	588000	266712	21633	29330	35.25	895	35.3
36	150	2.875	0.400	0.800	0.38	48100	21818	1341	1818	96200	43635	2682	3636	37.25	946	46.6
	300	3.125	0.400	0.800	0.36	109000	49442	3208	4350	218000	98883	6416	8698	37.25	946	46.6
	400	3.375	0.400	0.800	0.34	146000	66224	4550	6169	292000	132448	9100	12337	37.25	946	46.6
	600	3.625	0.400	0.800	0.32	218000	98883	7219	9787	436000	197766	14437	19573	37.25	946	46.6
	900	3.875	0.500	1.000	0.36	327000	148325	12031	16312	654000	296649	24061	32622	37.25	946	37.3
38	150	2.875	0.400	0.800	0.38	55800	25310	1556	2110	111600	50620	3111	4217	39.75	1010	49.7
	300	3.125	0.400	0.800	0.36	127000	57606	3738	5068	254000	115212	7476	10136	39.75	1010	49.7
	400	3.625	0.400	0.800	0.32	169000	76657	5596	7587	338000	153314	11192	15174	39.75	1010	49.7
	600	3.875	0.500	1.000	0.36	254000	115212	9345	12670	508000	230424	18690	25340	39.75	1010	39.8
	900	4.375	0.500	1.000	0.33	380000	172365	15252	20679	760000	344730	30503	41356	39.75	1010	39.8
40	150	3.125	0.400	0.800	0.36	61400	27851	1807	2450	122800	55701	3614	4899	41.63	1057	52.0
	300	3.375	0.400	0.800	0.34	140000	63503	4363	5916	280000	127005	8726	11830	41.63	1057	52.0
	400	3.625	0.400	0.800	0.32	186000	84368	6159	8350	372000	168736	12317	16699	41.63	1057	52.0
	600	3.875	0.500	1.000	0.36	279000	126552	10265	13917	558000	253104	20529	27833	41.63	1057	41.6
	900	4.375	0.500	1.000	0.33	418000	189602	16777	22747	836000	379203	33554	45493	41.63	1057	41.6
42	150	3.125	0.400	0.800	0.36	67100	30436	1975	2678	134200	60872	3949	5354	43.75	1111	54.7
	300	3.625	0.400	0.800	0.32	153000	69400	5066	6869	306000	138799	10132	13737	43.75	1111	54.7
	400	3.875	0.500	1.000	0.36	203000	92079	7469	10126	406000	184158	14937	20251	43.75	1111	43.8
	600	4.125	0.500	1.000	0.34	305000	138346	11882	16109	610000	276691	23763	32218	43.75	1111	43.8
	900	4.625	0.500	1.000	0.32	457000	207292	18916	25646	914000	414583	37831	51291	43.75	1111	43.8

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead												
[in]	[ANSI]	[in]	[in]	[in]	[N/A]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	[Turns]
44	150	3.125	0.400	0.800	0.36	73100	33158	2152	2917	146200	66315	4303	5834	45.38	1153	56.7
	300	3.625	0.400	0.800	0.36	166000	75296	4886	6624	332000	150592	9771	13247	45.38	1153	56.7
	400	4.125	0.500	1.000	0.34	222000	100698	8648	11725	444000	201395	17296	23450	45.38	1153	45.4
	600	4.375	0.500	1.000	0.33	332000	150593	13325	18067	664000	301185	26650	36132	45.38	1153	45.4
	900	4.875	0.500	1.000	0.31	498000	225889	21278	28848	996000	451778	42555	57696	45.38	1153	45.4
46	150	3.375	0.400	0.800	0.34	79400	36015	2474	3355	158800	72030	4948	6708	47.63	1210	59.5
	300	3.875	0.500	1.000	0.36	181000	82100	6659	9029	362000	164200	13318	18056	47.63	1210	47.6
	400	4.125	0.500	1.000	0.34	241000	109316	9388	12729	482000	218631	18776	25456	47.63	1210	47.6
	600	4.625	0.500	1.000	0.32	361000	163747	14942	20259	722000	327493	29884	40517	47.63	1210	47.6
	900	5.375	0.500	1.000	0.29	541000	245393	24709	33501	1082000	490786	49417	67000	47.63	1210	47.6
48	150	3.625	0.400	0.800	0.32	86800	39372	2874	3897	173600	78743	5748	7793	49.63	1260	62.0
	300	4.125	0.500	1.000	0.34	197000	89358	7674	10405	394000	178715	15348	20809	49.63	1260	49.6
	400	4.375	0.500	1.000	0.33	263000	119295	10556	14312	526000	238589	21111	28622	49.63	1260	49.6
	600	4.875	0.500	1.000	0.31	394000	178715	16834	22824	788000	357430	33668	45647	49.63	1260	49.6
	900	5.875	0.500	1.000	0.27	591000	268073	28992	39308	1182000	536146	57983	78614	49.63	1260	49.6
50	150	3.625	0.400	0.800	0.32	93600	42456	3099	4202	187200	84912	6198	8403	51.50	1308	64.4
	300	4.375	0.500	1.000	0.33	213000	96615	8549	11591	426000	193230	17098	23181	51.50	1308	51.5
	400	4.625	0.500	1.000	0.32	284000	128820	11755	15938	568000	257640	23509	31873	51.50	1308	51.5
	600	5.125	0.500	1.000	0.30	425000	192777	18764	25440	850000	385553	37527	50879	51.50	1308	51.5
	900	5.625	0.500	1.000	0.28	638000	289392	30180	40918	1276000	578783	60359	81835	51.50	1308	51.5
52	150	4.125	0.500	1.000	0.34	101000	45813	3935	5335	202000	91625	7869	10668	53.63	1362	53.6
	300	4.625	0.500	1.000	0.32	229000	103873	9478	12851	458000	207745	18956	25700	53.63	1362	53.6
	400	4.625	0.500	1.000	0.32	305000	138346	12624	17116	610000	276691	25248	34231	53.63	1362	53.6
	600	5.375	0.500	1.000	0.29	457000	207292	20872	28299	914000	414583	41744	56597	53.63	1362	53.6
	900	5.875	0.500	1.000	0.27	686000	311164	33652	45626	137200	62232	6730	9124	53.63	1362	53.6

Size	Class	Stem Thread			Efficiency	Recommended Operating Thrust		Recommended Operating Torque		Max Allowable Thrust		Max Allowable Torque		Total Stem Travel		Turns to Open
		Size	Pitch	Lead		[Lb]	[Kg]	[Ft*Lb]	[N*M]	[Lb]	[Kg]	[Ft*Lb]	[N*M]	[in]	[mm]	
[in]	[ANSI]	[in]	[in]	[in]	[N/A]											[Turns]
54	150	4.125	0.500	1.000	0.34	109000	49442	4246	5757	218000	98883	8492	11513	55.63	1413	55.6
	300	4.625	0.500	1.000	0.32	246000	111584	10182	13805	492000	223167	20364	27609	55.63	1413	55.6
	400	4.875	0.500	1.000	0.31	327000	148325	13971	18943	654000	296649	27942	37884	55.63	1413	55.6
	600	5.625	0.500	1.000	0.28	491000	222714	23226	31490	982000	445427	46452	62980	55.63	1413	55.6
	900	5.875	0.500	1.000	0.27	736000	333844	36105	48952	147200	66768	7220	9789	55.63	1413	55.6
56	150	4.125	0.500	1.000	0.34	116000	52617	4519	6127	232000	105233	9037	12252	57.50	1461	57.5
	300	4.625	0.500	1.000	0.32	263000	119295	10886	14759	526000	238589	21771	29517	57.50	1461	57.5
	400	5.375	0.500	1.000	0.29	350000	158757	15985	21673	700000	317514	31970	43345	57.50	1461	57.5
	600	5.875	0.500	1.000	0.27	525000	238136	25754	34918	1050000	476271	51508	69835	57.50	1461	57.5
	900	6.125	0.500	1.000	0.26	788000	357431	40143	54426	1576000	714861	80285	108851	57.50	1461	57.5
58	150	4.125	0.500	1.000	0.34	124000	56245	4831	6549	248000	112490	9661	13098	59.63	1514	59.6
	300	4.875	0.500	1.000	0.31	281000	127459	12006	16278	562000	254918	24011	32554	59.63	1514	59.6
	400	5.375	0.500	1.000	0.29	374000	169644	17082	23159	748000	339287	34163	46318	59.63	1514	59.6
	600	5.875	0.500	1.000	0.27	561000	254465	27520	37312	1122000	508930	55040	74624	59.63	1514	59.6
	900	6.375	0.500	1.000	0.25	841000	381471	44556	60410	1682000	762942	89112	120819	59.63	1514	59.6
60	150	4.375	0.500	1.000	0.33	132000	59874	5298	7183	264000	119748	10596	14366	62.88	1597	62.9
	300	5.375	0.500	1.000	0.29	299000	135624	13656	18515	598000	271248	27312	37030	62.88	1597	62.9
	400	5.375	0.500	1.000	0.29	299000	135624	13656	18515	798000	361966	36446	49414	62.88	1597	62.9
	600	5.875	0.500	1.000	0.27	298000	135171	14619	19820	1196000	542496	58670	79545	62.88	1597	62.9
	900	6.375	0.500	1.000	0.25	897000	406872	47523	64433	1794000	813744	95046	128865	62.88	1597	62.9