

AS568 Standard O-ring Size Chart

P/N	ID	CS	OD	ID MM	CS MM	OD MM
001	0.029	0.070	0.169	0.7366	1.778	4.2926
002	0.042	0.070	0.182	1.0668	1.778	4.6228
003	0.056	0.070	0.196	1.4224	1.778	4.9784
004	0.070	0.070	0.21	1.778	1.778	5.334
005	0.101	0.070	0.241	2.5654	1.778	6.1214
006	0.114	0.070	0.254	2.8956	1.778	6.4516
007	0.145	0.070	0.285	3.683	1.778	7.239
008	0.176	0.070	0.316	4.4704	1.778	8.0264
009	0.208	0.070	0.348	5.2832	1.778	8.8392
010	0.239	0.070	0.379	6.0706	1.778	9.6266
011	0.301	0.070	0.441	7.6454	1.778	11.2014
012	0.364	0.070	0.504	9.2456	1.778	12.8016
013	0.426	0.070	0.566	10.8204	1.778	14.3764
014	0.489	0.070	0.629	12.4206	1.778	15.9766
015	0.551	0.070	0.691	13.9954	1.778	17.5514
016	0.614	0.070	0.754	15.5956	1.778	19.1516
017	0.676	0.070	0.816	17.1704	1.778	20.7264
018	0.739	0.070	0.879	18.7706	1.778	22.3266
019	0.801	0.070	0.941	20.3454	1.778	23.9014
020	0.864	0.070	1.004	21.9456	1.778	25.5016
021	0.926	0.070	1.066	23.5204	1.778	27.0764
022	0.989	0.070	1.129	25.1206	1.778	28.6766
023	1.051	0.070	1.191	26.6954	1.778	30.2514
024	1.114	0.070	1.254	28.2956	1.778	31.8516
025	1.176	0.070	1.316	29.8704	1.778	33.4264
026	1.239	0.070	1.379	31.4706	1.778	35.0266
027	1.301	0.070	1.441	33.0454	1.778	36.6014
028	1.364	0.070	1.504	34.6456	1.778	38.2016
029	1.489	0.070	1.629	37.8206	1.778	41.3766
030	1.614	0.070	1.754	40.9956	1.778	44.5516
031	1.739	0.070	1.879	44.1706	1.778	47.7266
032	1.864	0.070	2.004	47.3456	1.778	50.9016
033	1.989	0.070	2.129	50.5206	1.778	54.0766
034	2.114	0.070	2.254	53.6956	1.778	57.2516
035	2.239	0.070	2.379	56.8706	1.778	60.4266
036	2.364	0.070	2.504	60.0456	1.778	63.6016
037	2.489	0.070	2.629	63.2206	1.778	66.7766
038	2.614	0.070	2.754	66.3956	1.778	69.9516
039	2.739	0.070	2.879	69.5706	1.778	73.1266
040	2.864	0.070	3.004	72.7456	1.778	76.3016
041	2.989	0.070	3.129	75.9206	1.778	79.4766
042	3.239	0.070	3.379	82.2706	1.778	85.8266
043	3.489	0.070	3.629	88.6206	1.778	92.1766
044	3.739	0.070	3.879	94.9706	1.778	98.5266
045	3.989	0.070	4.129	101.3206	1.778	104.8766
046	4.239	0.070	4.379	107.6706	1.778	111.2266

047	4.489	0.070	4.629	114.0206	1.778	117.5766
048	4.739	0.070	4.879	120.3706	1.778	123.9266
049	4.989	0.070	5.129	126.7206	1.778	130.2766
050	5.239	0.070	5.379	133.0706	1.778	136.6266
102	0.049	0.103	0.255	1.2446	2.6162	6.477
103	0.081	0.103	0.287	2.0574	2.6162	7.2898
104	0.112	0.103	0.318	2.8448	2.6162	8.0772
105	0.143	0.103	0.349	3.6322	2.6162	8.8646
106	0.174	0.103	0.38	4.4196	2.6162	9.652
107	0.206	0.103	0.412	5.2324	2.6162	10.4648
108	0.237	0.103	0.443	6.0198	2.6162	11.2522
109	0.299	0.103	0.505	7.5946	2.6162	12.827
110	0.362	0.103	0.568	9.1948	2.6162	14.4272
111	0.424	0.103	0.63	10.7696	2.6162	16.002
112	0.487	0.103	0.693	12.3698	2.6162	17.6022
113	0.549	0.103	0.755	13.9446	2.6162	19.177
114	0.612	0.103	0.818	15.5448	2.6162	20.7772
115	0.674	0.103	0.88	17.1196	2.6162	22.352
116	0.737	0.103	0.943	18.7198	2.6162	23.9522
117	0.799	0.103	1.005	20.2946	2.6162	25.527
118	0.862	0.103	1.068	21.8948	2.6162	27.1272
119	0.924	0.103	1.13	23.4696	2.6162	28.702
120	0.987	0.103	1.193	25.0698	2.6162	30.3022
121	1.049	0.103	1.255	26.6446	2.6162	31.877
122	1.112	0.103	1.318	28.2448	2.6162	33.4772
123	1.174	0.103	1.38	29.8196	2.6162	35.052
124	1.237	0.103	1.443	31.4198	2.6162	36.6522
125	1.299	0.103	1.505	32.9946	2.6162	38.227
126	1.362	0.103	1.568	34.5948	2.6162	39.8272
127	1.424	0.103	1.63	36.1696	2.6162	41.402
128	1.487	0.103	1.693	37.7698	2.6162	43.0022
129	1.549	0.103	1.755	39.3446	2.6162	44.577
130	1.612	0.103	1.818	40.9448	2.6162	46.1772
131	1.674	0.103	1.88	42.5196	2.6162	47.752
132	1.737	0.103	1.943	44.1198	2.6162	49.3522
133	1.799	0.103	2.005	45.6946	2.6162	50.927
134	1.862	0.103	2.068	47.2948	2.6162	52.5272
135	1.925	0.103	2.131	48.895	2.6162	54.1274
136	1.987	0.103	2.193	50.4698	2.6162	55.7022
137	2.050	0.103	2.256	52.07	2.6162	57.3024
138	2.112	0.103	2.318	53.6448	2.6162	58.8772
139	2.175	0.103	2.381	55.245	2.6162	60.4774
140	2.237	0.103	2.443	56.8198	2.6162	62.0522
141	2.300	0.103	2.506	58.42	2.6162	63.6524
142	2.362	0.103	2.568	59.9948	2.6162	65.2272
143	2.425	0.103	2.631	61.595	2.6162	66.8274
144	2.487	0.103	2.693	63.1698	2.6162	68.4022
145	2.550	0.103	2.756	64.77	2.6162	70.0024
146	2.612	0.103	2.818	66.3448	2.6162	71.5772
147	2.675	0.103	2.881	67.945	2.6162	73.1774
148	2.737	0.103	2.943	69.5198	2.6162	74.7522

149	2.800	0.103	3.006	71.12	2.6162	76.3524
150	2.862	0.103	3.068	72.6948	2.6162	77.9272
151	2.987	0.103	3.193	75.8698	2.6162	81.1022
152	3.237	0.103	3.443	82.2198	2.6162	87.4522
153	3.487	0.103	3.693	88.5698	2.6162	93.8022
154	3.737	0.103	3.943	94.9198	2.6162	100.1522
155	3.987	0.103	4.193	101.2698	2.6162	106.5022
156	4.237	0.103	4.443	107.6198	2.6162	112.8522
157	4.487	0.103	4.693	113.9698	2.6162	119.2022
158	4.737	0.103	4.943	120.3198	2.6162	125.5522
159	4.987	0.103	5.193	126.6698	2.6162	131.9022
160	5.237	0.103	5.443	133.0198	2.6162	138.2522
161	5.487	0.103	5.693	139.3698	2.6162	144.6022
162	5.737	0.103	5.943	145.7198	2.6162	150.9522
163	5.987	0.103	6.193	152.0698	2.6162	157.3022
164	6.237	0.103	6.443	158.4198	2.6162	163.6522
165	6.487	0.103	6.693	164.7698	2.6162	170.0022
166	6.737	0.103	6.943	171.1198	2.6162	176.3522
167	6.987	0.103	7.193	177.4698	2.6162	182.7022
168	7.237	0.103	7.443	183.8198	2.6162	189.0522
169	7.487	0.103	7.693	190.1698	2.6162	195.4022
170	7.737	0.103	7.943	196.5198	2.6162	201.7522
171	7.987	0.103	8.193	202.8698	2.6162	208.1022
172	8.237	0.103	8.443	209.2198	2.6162	214.4522
173	8.487	0.103	8.693	215.5698	2.6162	220.8022
174	8.737	0.103	8.943	221.9198	2.6162	227.1522
175	8.987	0.103	9.193	228.2698	2.6162	233.5022
176	9.237	0.103	9.443	234.6198	2.6162	239.8522
177	9.487	0.103	9.693	240.9698	2.6162	246.2022
178	9.737	0.103	9.943	247.3198	2.6162	252.5522
201	0.171	0.139	0.449	4.3434	3.5306	11.4046
202	0.234	0.139	0.512	5.9436	3.5306	13.0048
203	0.296	0.139	0.574	7.5184	3.5306	14.5796
204	0.359	0.139	0.637	9.1186	3.5306	16.1798
205	0.421	0.139	0.699	10.6934	3.5306	17.7546
206	0.484	0.139	0.762	12.2936	3.5306	19.3548
207	0.546	0.139	0.824	13.8684	3.5306	20.9296
208	0.609	0.139	0.887	15.4686	3.5306	22.5298
209	0.671	0.139	0.949	17.0434	3.5306	24.1046
210	0.734	0.139	1.012	18.6436	3.5306	25.7048
211	0.796	0.139	1.074	20.2184	3.5306	27.2796
212	0.859	0.139	1.137	21.8186	3.5306	28.8798
213	0.921	0.139	1.199	23.3934	3.5306	30.4546
214	0.984	0.139	1.262	24.9936	3.5306	32.0548
215	1.046	0.139	1.324	26.5684	3.5306	33.6296
216	1.109	0.139	1.387	28.1686	3.5306	35.2298
217	1.171	0.139	1.449	29.7434	3.5306	36.8046
218	1.234	0.139	1.512	31.3436	3.5306	38.4048
219	1.296	0.139	1.574	32.9184	3.5306	39.9796
220	1.359	0.139	1.637	34.5186	3.5306	41.5798
221	1.421	0.139	1.699	36.0934	3.5306	43.1546

222	1.484	0.139	1.762	37.6936	3.5306	44.7548
223	1.609	0.139	1.887	40.8686	3.5306	47.9298
224	1.734	0.139	2.012	44.0436	3.5306	51.1048
225	1.859	0.139	2.137	47.2186	3.5306	54.2798
226	1.984	0.139	2.262	50.3936	3.5306	57.4548
227	2.109	0.139	2.387	53.5686	3.5306	60.6298
228	2.234	0.139	2.512	56.7436	3.5306	63.8048
229	2.359	0.139	2.637	59.9186	3.5306	66.9798
230	2.484	0.139	2.762	63.0936	3.5306	70.1548
231	2.609	0.139	2.887	66.2686	3.5306	73.3298
232	2.734	0.139	3.012	69.4436	3.5306	76.5048
233	2.859	0.139	3.137	72.6186	3.5306	79.6798
234	2.984	0.139	3.262	75.7936	3.5306	82.8548
235	3.109	0.139	3.387	78.9686	3.5306	86.0298
236	3.234	0.139	3.512	82.1436	3.5306	89.2048
237	3.359	0.139	3.637	85.3186	3.5306	92.3798
238	3.484	0.139	3.762	88.4936	3.5306	95.5548
239	3.609	0.139	3.887	91.6686	3.5306	98.7298
240	3.734	0.139	4.012	94.8436	3.5306	101.9048
241	3.859	0.139	4.137	98.0186	3.5306	105.0798
242	3.984	0.139	4.262	101.1936	3.5306	108.2548
243	4.109	0.139	4.387	104.3686	3.5306	111.4298
244	4.234	0.139	4.512	107.5436	3.5306	114.6048
245	4.359	0.139	4.637	110.7186	3.5306	117.7798
246	4.484	0.139	4.762	113.8936	3.5306	120.9548
247	4.609	0.139	4.887	117.0686	3.5306	124.1298
248	4.734	0.139	5.012	120.2436	3.5306	127.3048
249	4.859	0.139	5.137	123.4186	3.5306	130.4798
250	4.984	0.139	5.262	126.5936	3.5306	133.6548
251	5.109	0.139	5.387	129.7686	3.5306	136.8298
252	5.234	0.139	5.512	132.9436	3.5306	140.0048
253	5.359	0.139	5.637	136.1186	3.5306	143.1798
254	5.484	0.139	5.762	139.2936	3.5306	146.3548
255	5.609	0.139	5.887	142.4686	3.5306	149.5298
256	5.734	0.139	6.012	145.6436	3.5306	152.7048
257	5.859	0.139	6.137	148.8186	3.5306	155.8798
258	5.984	0.139	6.262	151.9936	3.5306	159.0548
259	6.234	0.139	6.512	158.3436	3.5306	165.4048
260	6.484	0.139	6.762	164.6936	3.5306	171.7548
261	6.734	0.139	7.012	171.0436	3.5306	178.1048
262	6.984	0.139	7.262	177.3936	3.5306	184.4548
263	7.234	0.139	7.512	183.7436	3.5306	190.8048
264	7.484	0.139	7.762	190.0936	3.5306	197.1548
265	7.734	0.139	8.012	196.4436	3.5306	203.5048
266	7.984	0.139	8.262	202.7936	3.5306	209.8548
267	8.234	0.139	8.512	209.1436	3.5306	216.2048
268	8.484	0.139	8.762	215.4936	3.5306	222.5548
269	8.734	0.139	9.012	221.8436	3.5306	228.9048
270	8.984	0.139	9.262	228.1936	3.5306	235.2548
271	9.234	0.139	9.512	234.5436	3.5306	241.6048
272	9.484	0.139	9.762	240.8936	3.5306	247.9548

273	9.734	0.139	10.012	247.2436	3.5306	254.3048
274	9.984	0.139	10.262	253.5936	3.5306	260.6548
275	10.484	0.139	10.762	266.2936	3.5306	273.3548
276	10.984	0.139	11.262	278.9936	3.5306	286.0548
277	11.484	0.139	11.762	291.6936	3.5306	298.7548
278	11.984	0.139	12.262	304.3936	3.5306	311.4548
279	12.984	0.139	13.262	329.7936	3.5306	336.8548
280	13.984	0.139	14.262	355.1936	3.5306	362.2548
281	14.984	0.139	15.262	380.5936	3.5306	387.6548
282	15.955	0.139	16.233	405.257	3.5306	412.3182
283	16.955	0.139	17.233	430.657	3.5306	437.7182
284	17.955	0.139	18.233	456.057	3.5306	463.1182
309	0.412	0.210	0.832	10.4648	5.334	21.1328
310	0.475	0.210	0.895	12.065	5.334	22.733
311	0.537	0.210	0.957	13.6398	5.334	24.3078
312	0.600	0.210	1.02	15.24	5.334	25.908
313	0.662	0.210	1.082	16.8148	5.334	27.4828
314	0.725	0.210	1.145	18.415	5.334	29.083
315	0.787	0.210	1.207	19.9898	5.334	30.6578
316	0.850	0.210	1.27	21.59	5.334	32.258
317	0.912	0.210	1.332	23.1648	5.334	33.8328
318	0.975	0.210	1.395	24.765	5.334	35.433
319	1.037	0.210	1.457	26.3398	5.334	37.0078
320	1.100	0.210	1.52	27.94	5.334	38.608
321	1.162	0.210	1.582	29.5148	5.334	40.1828
322	1.225	0.210	1.645	31.115	5.334	41.783
323	1.287	0.210	1.707	32.6898	5.334	43.3578
324	1.350	0.210	1.77	34.29	5.334	44.958
325	1.475	0.210	1.895	37.465	5.334	48.133
326	1.600	0.210	2.02	40.64	5.334	51.308
327	1.725	0.210	2.145	43.815	5.334	54.483
328	1.850	0.210	2.27	46.99	5.334	57.658
329	1.975	0.210	2.395	50.165	5.334	60.833
330	2.100	0.210	2.52	53.34	5.334	64.008
331	2.225	0.210	2.645	56.515	5.334	67.183
332	2.350	0.210	2.77	59.69	5.334	70.358
333	2.475	0.210	2.895	62.865	5.334	73.533
334	2.600	0.210	3.02	66.04	5.334	76.708
335	2.725	0.210	3.145	69.215	5.334	79.883
336	2.850	0.210	3.27	72.39	5.334	83.058
337	2.975	0.210	3.395	75.565	5.334	86.233
338	3.100	0.210	3.52	78.74	5.334	89.408
339	3.225	0.210	3.645	81.915	5.334	92.583
340	3.350	0.210	3.77	85.09	5.334	95.758
341	3.475	0.210	3.895	88.265	5.334	98.933
342	3.600	0.210	4.02	91.44	5.334	102.108
343	3.725	0.210	4.145	94.615	5.334	105.283
344	3.850	0.210	4.27	97.79	5.334	108.458
345	3.975	0.210	4.395	100.965	5.334	111.633
346	4.100	0.210	4.52	104.14	5.334	114.808
347	4.225	0.210	4.645	107.315	5.334	117.983

348	4.350	0.210	4.77	110.49	5.334	121.158
349	4.475	0.210	4.895	113.665	5.334	124.333
350	4.600	0.210	5.02	116.84	5.334	127.508
351	4.725	0.210	5.145	120.015	5.334	130.683
352	4.850	0.210	5.27	123.19	5.334	133.858
353	4.975	0.210	5.395	126.365	5.334	137.033
354	5.100	0.210	5.52	129.54	5.334	140.208
355	5.225	0.210	5.645	132.715	5.334	143.383
356	5.350	0.210	5.77	135.89	5.334	146.558
357	5.475	0.210	5.895	139.065	5.334	149.733
358	5.600	0.210	6.02	142.24	5.334	152.908
359	5.725	0.210	6.145	145.415	5.334	156.083
360	5.850	0.210	6.27	148.59	5.334	159.258
361	5.975	0.210	6.395	151.765	5.334	162.433
362	6.225	0.210	6.645	158.115	5.334	168.783
363	6.475	0.210	6.895	164.465	5.334	175.133
364	6.725	0.210	7.145	170.815	5.334	181.483
365	6.975	0.210	7.395	177.165	5.334	187.833
366	7.225	0.210	7.645	183.515	5.334	194.183
367	7.475	0.210	7.895	189.865	5.334	200.533
368	7.725	0.210	8.145	196.215	5.334	206.883
369	7.975	0.210	8.395	202.565	5.334	213.233
370	8.225	0.210	8.645	208.915	5.334	219.583
371	8.475	0.210	8.895	215.265	5.334	225.933
372	8.725	0.210	9.145	221.615	5.334	232.283
373	8.975	0.210	9.395	227.965	5.334	238.633
374	9.225	0.210	9.645	234.315	5.334	244.983
375	9.475	0.210	9.895	240.665	5.334	251.333
376	9.725	0.210	10.145	247.015	5.334	257.683
377	9.975	0.210	10.395	253.365	5.334	264.033
378	10.475	0.210	10.895	266.065	5.334	276.733
379	10.975	0.210	11.395	278.765	5.334	289.433
380	11.475	0.210	11.895	291.465	5.334	302.133
381	11.975	0.210	12.395	304.165	5.334	314.833
382	12.975	0.210	13.395	329.565	5.334	340.233
383	13.975	0.210	14.395	354.965	5.334	365.633
384	14.975	0.210	15.395	380.365	5.334	391.033
385	15.955	0.210	16.375	405.257	5.334	415.925
386	16.955	0.210	17.375	430.657	5.334	441.325
387	17.955	0.210	18.375	456.057	5.334	466.725
388	18.955	0.210	19.375	481.457	5.334	492.125
389	19.955	0.210	20.375	506.857	5.334	517.525
390	20.955	0.210	21.375	532.257	5.334	542.925
391	21.955	0.210	22.375	557.657	5.334	568.325
392	22.940	0.210	23.36	582.676	5.334	593.344
393	23.940	0.210	24.36	608.076	5.334	618.744
394	24.940	0.210	25.36	633.476	5.334	644.144
395	25.940	0.210	26.36	658.876	5.334	669.544
400	1.350	0.275	1.9	34.29	6.985	48.26
401	1.475	0.275	2.025	37.465	6.985	51.435
402	1.600	0.275	2.15	40.64	6.985	54.61

403	1.725	0.275	2.275	43.815	6.985	57.785
404	1.850	0.275	2.4	46.99	6.985	60.96
405	1.975	0.275	2.525	50.165	6.985	64.135
406	2.100	0.275	2.65	53.34	6.985	67.31
407	2.225	0.275	2.775	56.515	6.985	70.485
408	2.350	0.275	2.9	59.69	6.985	73.66
409	2.475	0.275	3.025	62.865	6.985	76.835
410	2.600	0.275	3.15	66.04	6.985	80.01
411	2.725	0.275	3.275	69.215	6.985	83.185
412	2.850	0.275	3.4	72.39	6.985	86.36
413	2.975	0.275	3.525	75.565	6.985	89.535
414	3.100	0.275	3.65	78.74	6.985	92.71
415	3.225	0.275	3.775	81.915	6.985	95.885
416	3.350	0.275	3.9	85.09	6.985	99.06
417	3.475	0.275	4.025	88.265	6.985	102.235
418	3.600	0.275	4.15	91.44	6.985	105.41
419	3.725	0.275	4.275	94.615	6.985	108.585
420	3.850	0.275	4.4	97.79	6.985	111.76
421	3.975	0.275	4.525	100.965	6.985	114.935
422	4.100	0.275	4.65	104.14	6.985	118.11
423	4.225	0.275	4.775	107.315	6.985	121.285
424	4.350	0.275	4.9	110.49	6.985	124.46
425	4.475	0.275	5.025	113.665	6.985	127.635
426	4.600	0.275	5.15	116.84	6.985	130.81
427	4.725	0.275	5.275	120.015	6.985	133.985
428	4.850	0.275	5.4	123.19	6.985	137.16
429	4.975	0.275	5.525	126.365	6.985	140.335
430	5.100	0.275	5.65	129.54	6.985	143.51
431	5.225	0.275	5.775	132.715	6.985	146.685
432	5.350	0.275	5.9	135.89	6.985	149.86
433	5.475	0.275	6.025	139.065	6.985	153.035
434	5.600	0.275	6.15	142.24	6.985	156.21
435	5.725	0.275	6.275	145.415	6.985	159.385
436	5.850	0.275	6.4	148.59	6.985	162.56
437	5.975	0.275	6.525	151.765	6.985	165.735
438	6.225	0.275	6.775	158.115	6.985	172.085
439	6.475	0.275	7.025	164.465	6.985	178.435
440	6.725	0.275	7.275	170.815	6.985	184.785
441	6.975	0.275	7.525	177.165	6.985	191.135
442	7.225	0.275	7.775	183.515	6.985	197.485
443	7.475	0.275	8.025	189.865	6.985	203.835
444	7.725	0.275	8.275	196.215	6.985	210.185
445	7.975	0.275	8.525	202.565	6.985	216.535
446	8.475	0.275	9.025	215.265	6.985	229.235
447	8.975	0.275	9.525	227.965	6.985	241.935
448	9.475	0.275	10.025	240.665	6.985	254.635
449	9.975	0.275	10.525	253.365	6.985	267.335
450	10.475	0.275	11.025	266.065	6.985	280.035
451	10.975	0.275	11.525	278.765	6.985	292.735
452	11.475	0.275	12.025	291.465	6.985	305.435
453	11.975	0.275	12.525	304.165	6.985	318.135

454	12.475	0.275	13.025	316.865	6.985	330.835
455	12.975	0.275	13.525	329.565	6.985	343.535
456	13.475	0.275	14.025	342.265	6.985	356.235
457	13.975	0.275	14.525	354.965	6.985	368.935
458	14.475	0.275	15.025	367.665	6.985	381.635
459	14.975	0.275	15.525	380.365	6.985	394.335
460	15.475	0.275	16.025	393.065	6.985	407.035
461	15.955	0.275	16.505	405.257	6.985	419.227
462	16.455	0.275	17.005	417.957	6.985	431.927
463	16.955	0.275	17.505	430.657	6.985	444.627
464	17.455	0.275	18.005	443.357	6.985	457.327
465	17.955	0.275	18.505	456.057	6.985	470.027
466	18.455	0.275	19.005	468.757	6.985	482.727
467	18.955	0.275	19.505	481.457	6.985	495.427
468	19.455	0.275	20.005	494.157	6.985	508.127
469	19.955	0.275	20.505	506.857	6.985	520.827
470	20.955	0.275	21.505	532.257	6.985	546.227
471	21.955	0.275	22.505	557.657	6.985	571.627
472	22.940	0.275	23.49	582.676	6.985	596.646
473	23.940	0.275	24.49	608.076	6.985	622.046
474	24.940	0.275	25.49	633.476	6.985	647.446
475	25.940	0.275	26.49	658.876	6.985	672.846