FEDERAL SUPPLY CLASS
5331

RATIONALE

THIS STANDARD REPLACES MS29561 AND ADDS VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR PROCUREMENT OF O-RINGS MOLDED FROM AMS-R-7362 RUBBER. THE MS29561 PART NUMBERS HAVE BEEN RETAINED.

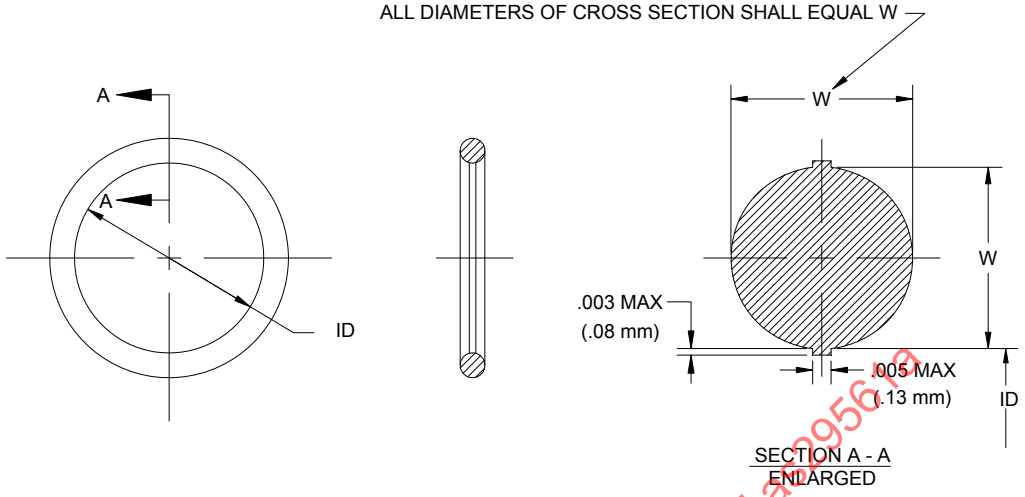

FIGURE 1 - 0-RING

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	ID IN		ID (mm)		W DIA IN		W DIA (mm)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	kg/100
MS29561-004	0.065	0.075	1.65	1.90	0.067	0.073	1.702	1.854	.008	.0036
MS29561-005	0.096	0.106	2.44	2.69	0.067	0.073	1.702	1.854	.010	.0045
MS29561-006	0.109	0.119	2.77	3.02	0.067	0.073	1.702	1.854	.010	.0045
MS29561-007	0.140	0.150	3.56	3.81	0.067	0.073	1.702	1.854	.012	.0054
MS29561-008	0.171	0.181	4.34	4.60	0.067	0.073	1.702	1.854	.014	.0064
MS29561-009	0.203	0.213	5.16	5.41	0.067	0.073	1.702	1.854	.016	.0073
MS29561-010	0.234	0.244	5.94	6.20	0.067	0.073	1.702	1.854	.017	.0077
MS29561-011	0.296	0.306	7.52	7.77	0.067	0.073	1.702	1.854	.021	.0095
MS29561-012	0.359	0.369	9.12	9.37	0.067	0.073	1.702	1.854	.024	.011
MS29561-013	0.421	0.431	10.69	10.95	0.067	0.073	1.702	1.854	.028	.013
MS29561-014	0.484	0.494	12.29	12.55	0.067	0.073	1.702	1.854	.031	.014
MS29561-015	0.546	0.556	13.87	14.12	0.067	0.073	1.702	1.854	.034	.015
MS29561-016	0.609	0.619	15.47	15.72	0.067	0.073	1.702	1.854	.038	.017
MS29561-017	0.671	0.681	17.04	17.30	0.067	0.073	1.702	1.854	.041	.019
MS29561-018	0.734	0.744	18.64	18.90	0.067	0.073	1.702	1.854	.045	.020
MS29561-019	0.795	0.807	20.19	20.50	0.067	0.073	1.702	1.854	.048	.022
MS29561-020	0.858	0.870	21.79	22.10	0.067	0.073	1.702	1.854	.052	.024
MS29561-021	0.920	0.932	23.37	23.67	0.067	0.073	1.702	1.854	.055	.025
MS29561-022	0.983	0.995	24.97	25.27	0.067	0.073	1.702	1.854	.059	.027
MS29561-023	1.045	1.057	26.54	26.85	0.067	0.073	1.702	1.854	.062	.028
MS29561-024	1.108	1.120	28.14	28.45	0.067	0.073	1.702	1.854	.066	.030
MS29561-025	1.170	1.182	29.72	30.02	0.067	0.073	1.702	1.854	.069	.031
MS29561-026	1.233	1.245	31.32	31.62	0.067	0.073	1.702	1.854	.073	.033
MS29561-027	1.295	1.307	32.89	33.20	0.067	0.073	1.702	1.854	.076	.034
MS29561-028	1.358	1.370	34.49	34.80	0.067	0.073	1.702	1.854	.080	.036

(a)

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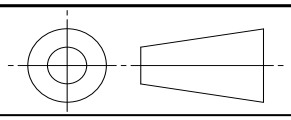
THIRD ANGLE PROJECTION



ISSUED 2001-03 REVISED 2009-12

CUSTODIAN: SAE A-6/A-6C2

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) PACKING, PREFORMED, "O" RING, SYNTHETIC LUBRICANT RESISTANT

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBER	ID IN		ID (mm)		W DIA IN		W DIA (mm)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	kg/100
MS29561-110	0.357	0.367	9.07	9.32	0.100	0.106	2.540	2.692	.056	.025
MS29561-111	0.419	0.429	10.64	10.90	0.100	0.106	2.540	2.692	.063	.029
MS29561-112	0.482	0.492	12.24	12.50	0.100	0.106	2.540	2.692	.071	.032
MS29561-113	0.544	0.554	13.82	14.07	0.100	0.106	2.540	2.692	.079	..036
MS29561-114	0.607	0.617	15.42	15.67	0.100	0.106	2.540	2.692	.086	.039
MS29561-115	0.669	0.679	16.99	17.25	0.100	0.106	2.540	2.692	.093	.042
MS29561-116	0.732	0.742	18.59	18.85	0.100	0.106	2.540	2.692	.101	.046
MS29561-117	0.793	0.805	20.14	20.45	0.100	0.106	2.540	2.692	.108	.049
MS29561-118	0.856	0.868	21.74	22.05	0.100	0.106	2.540	2.692	.116	.053
MS29561-119	0.918	0.930	23.32	23.62	0.100	0.106	2.540	2.692	.124	.056
MS29561-120	0.981	0.993	24.92	25.22	0.100	0.106	2.540	2.692	.131	.059
MS29561-121	1.043	1.055	26.49	26.80	0.100	0.106	2.540	2.692	.139	.063
MS29561-122	1.106	1.118	28.09	28.40	0.100	0.106	2.540	2.692	.146	.066
MS29561-123	1.168	1.180	29.67	29.97	0.100	0.106	2.540	2.692	.154	.070
MS29561-124	1.231	1.243	31.27	31.57	0.100	0.106	2.540	2.692	.161	.073
MS29561-125	1.293	1.305	32.84	33.15	0.100	0.106	2.540	2.692	.169	.077
MS29561-126	1.356	1.368	34.44	34.75	0.100	0.106	2.540	2.692	.176	.080
MS29561-127	1.418	1.430	36.02	36.32	0.100	0.106	2.540	2.692	.184	.083
MS29561-128	1.481	1.493	37.62	37.92	0.100	0.106	2.540	2.692	.191	.087
MS29561-129	1.539	1.559	39.09	39.60	0.100	0.106	2.540	2.692	.199	.090
MS29561-130	1.602	1.622	40.69	41.20	0.100	0.106	2.540	2.692	.207	.094
(a) MS29561-131	1.664	1.684	42.27	42.77	0.100	0.106	2.540	2.692	.214	.097
MS29561-132	1.727	1.747	43.87	44.37	0.100	0.106	2.540	2.692	.222	.101
MS29561-133	1.789	1.809	45.44	45.95	0.100	0.106	2.540	2.692	.230	.104
MS29561-134	1.852	1.872	47.04	47.55	0.100	0.106	2.540	2.692	.236	.107
MS29561-135	1.915	1.935	48.64	49.15	0.100	0.106	2.540	2.692	.244	.111
MS29561-136	1.977	1.997	50.22	50.72	0.100	0.106	2.540	2.692	.252	.114
MS29561-137	2.040	2.060	51.82	52.32	0.100	0.106	2.540	2.692	.259	.117
MS29561-138	2.102	2.122	53.39	53.90	0.100	0.106	2.540	2.692	.267	.121
MS29561-139	2.165	2.185	54.99	55.50	0.100	0.106	2.540	2.692	.274	.124
MS29561-140	2.227	2.247	56.57	57.07	0.100	0.106	2.540	2.692	.282	.128
MS29561-141	2.290	2.310	58.17	58.67	0.100	0.106	2.540	2.692	.289	.131
MS29561-142	2.352	2.372	59.74	60.25	0.100	0.106	2.540	2.692	.297	.135
MS29561-143	2.415	2.435	61.34	61.85	0.100	0.106	2.540	2.692	.304	.138
MS29561-144	2.477	2.497	62.92	63.42	0.100	0.106	2.540	2.692	.312	.142
MS29561-145	2.540	2.560	64.52	65.02	0.100	0.106	2.540	2.692	.319	.145
MS29561-146	2.602	2.622	66.09	66.60	0.100	0.106	2.540	2.692	.327	.148
MS29561-147	2.660	2.690	67.56	68.33	0.100	0.106	2.540	2.692	.334	.152
MS29561-148	2.722	2.752	69.14	69.90	0.100	0.106	2.540	2.692	.342	.155
MS29561-149	2.785	2.815	70.74	71.50	0.100	0.106	2.540	2.692	.350	.159
MS29561-210	0.728	0.740	18.49	18.80	0.135	0.143	3.429	3.632	.191	.087
MS29561-211	0.790	0.802	20.07	20.37	0.135	0.143	3.429	3.632	.205	.093
MS29561-212	0.853	0.865	21.67	21.97	0.135	0.143	3.429	3.632	.219	.099
MS29561-213	0.915	0.927	23.24	23.55	0.135	0.143	3.429	3.632	.232	.105
MS29561-214	0.978	0.990	24.84	25.15	0.135	0.143	3.429	3.632	.246	.112
MS29561-215	1.040	1.052	26.42	26.72	0.135	0.143	3.429	3.632	.260	.118
MS29561-216	1.103	1.115	28.02	28.32	0.135	0.143	3.429	3.632	.274	.124
MS29561-217	1.165	1.177	29.59	29.90	0.135	0.143	3.429	3.632	.287	.130
MS29561-218	1.228	1.240	31.19	31.50	0.135	0.143	3.429	3.632	.302	.137
MS29561-219	1.290	1.302	32.77	33.07	0.135	0.143	3.429	3.632	.315	.143
MS29561-220	1.353	1.365	34.37	34.67	0.135	0.143	3.429	3.632	.328	.149
MS29561-221	1.415	1.427	35.94	36.25	0.135	0.143	3.429	3.632	.342	.155

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

	PART NUMBER	ID IN		ID (mm)		W DIA IN		W DIA (mm)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	kg/100
	MS29561-223	1.599	1.619	40.61	41.12	0.135	0.143	3.429	3.632	.383	.174
	MS29561-224	1.724	1.744	43.79	44.30	0.135	0.143	3.429	3.632	.411	.186
	MS29561-225	1.849	1.869	46.96	47.47	0.135	0.143	3.429	3.632	.438	.199
	MS29561-226	1.974	1.994	50.14	50.65	0.135	0.143	3.429	3.632	.466	.211
	MS29561-227	2.099	2.119	53.31	53.82	0.135	0.143	3.429	3.632	.493	.224
	MS29561-228	2.224	2.244	56.49	57.00	0.135	0.143	3.429	3.632	.529	.240
	MS29561-229	2.349	2.369	59.66	60.17	0.135	0.143	3.429	3.632	.548	.249
	MS29561-230	2.474	2.494	62.84	63.35	0.135	0.143	3.429	3.632	.575	.261
	MS29561-231	2.599	2.619	66.01	66.52	0.135	0.143	3.429	3.632	.603	.274
	MS29561-232	2.716	2.749	69.06	69.82	0.135	0.143	3.429	3.632	.630	.286
	MS29561-233	2.844	2.874	72.24	73.00	0.135	0.143	3.429	3.632	.657	.298
	MS29561-234	2.969	2.999	75.41	76.17	0.135	0.143	3.429	3.632	.685	.311
	MS29561-235	3.094	3.124	78.59	79.35	0.135	0.143	3.429	3.632	.712	.323
	MS29561-236	3.219	3.249	81.76	82.52	0.135	0.143	3.429	3.632	.740	.336
(a)	MS29561-237	3.344	3.374	84.94	85.70	0.135	0.143	3.429	3.632	.767	.348
(a)	MS29561-238	3.469	3.499	88.11	88.87	0.135	0.143	3.429	3.632	.794	.360
(a)	MS29561-239	3.594	3.624	91.29	92.05	0.135	0.143	3.429	3.632	.822	.373
(a)	MS29561-240	3.719	3.749	94.46	95.22	0.135	0.143	3.429	3.632	.849	.385
(a)											
(a)	MS29561-241	3.844	3.874	97.64	98.40	0.135	0.143	3.429	3.632	.877	.398
(a)	MS29561-242	3.969	3.999	100.81	101.57	0.135	0.143	3.429	3.632	.904	.410
(a)	MS29561-243	4.094	4.124	103.99	104.75	0.135	0.143	3.429	3.632	.932	.423
(a)	MS29561-244	4.219	4.249	107.16	107.92	0.135	0.143	3.429	3.632	.959	.435
(a)	MS29561-245	4.344	4.374	110.34	111.10	0.135	0.143	3.429	3.632	.986	.447
(a)											
(a)	MS29561-246	4.469	4.499	113.51	114.27	0.135	0.143	3.429	3.632	1.014	.460
(a)	MS29561-247	4.594	4.624	116.69	117.45	0.135	0.143	3.429	3.632	1.041	.472
(b)	MS29561-248	4.719	4.749	119.86	120.62	0.135	0.143	3.429	3.632	1.068	.484
(b)	MS29561-249	4.844	4.874	123.04	123.80	0.135	0.143	3.429	3.632	1.096	.497
(b)	MS29561-250	4.969	4.999	126.21	126.97	0.135	0.143	3.429	3.632	1.123	.509
(b)											
(b)	MS29561-251	5.086	5.132	129.18	130.35	0.135	0.143	3.429	3.632	1.151	.522
(b)	MS29561-252	5.211	5.257	132.36	133.53	0.135	0.143	3.429	3.632	1.178	.534
(b)	MS29561-253	5.336	5.382	135.53	136.70	0.135	0.143	3.429	3.632	1.206	.547
(b)	MS29561-254	5.461	5.507	138.71	139.88	0.135	0.143	3.429	3.632	1.233	.559
(b)	MS29561-255	5.586	5.632	141.88	143.05	0.135	0.143	3.429	3.632	1.260	.572
(b)											
(b)	MS29561-256	5.711	5.757	145.06	146.23	0.135	0.143	3.429	3.632	1.288	.584
(b)	MS29561-257	5.836	5.882	148.23	149.40	0.135	0.143	3.429	3.632	1.315	.596
(b)	MS29561-258	5.961	6.007	151.41	152.58	0.135	0.143	3.429	3.632	1.343	.609
(b)	MS29561-259	6.211	6.257	157.76	158.93	0.135	0.143	3.429	3.632	1.397	.634
(b)	MS29561-260	6.461	6.507	164.11	165.28	0.135	0.143	3.429	3.632	1.452	.659
(b)											
(b)	MS29561-261	6.711	6.757	170.46	171.63	0.135	0.143	3.429	3.632	1.507	.684
(b)	MS29561-262	6.961	7.007	176.81	177.98	0.135	0.143	3.429	3.632	1.562	.708
(b)	MS29561-263	7.204	7.264	182.98	184.51	0.135	0.143	3.429	3.632	1.617	.733
(b)	MS29561-264	7.454	7.514	189.33	190.86	0.135	0.143	3.429	3.632	1.672	.758
(b)	MS29561-265	7.704	7.764	195.68	197.21	0.135	0.143	3.429	3.632	1.726	.783
(b)											
(b)	MS29561-266	7.954	8.014	202.03	203.56	0.135	0.143	3.429	3.632	1.781	.808
(b)	MS29561-267	8.204	8.264	208.38	209.91	0.135	0.143	3.429	3.632	1.836	.833
(b)	MS29561-268	8.454	8.514	214.73	216.26	0.135	0.143	3.429	3.632	1.891	.858
(b)	MS29561-269	8.704	8.764	221.08	222.61	0.135	0.143	3.429	3.632	1.946	.883
(b)	MS29561-270	8.954	9.014	227.43	228.96	0.135	0.143	3.429	3.632	2.000	.907
(b)											
(b)	MS29561-271	9.204	9.264	233.78	235.31	0.135	0.143	3.429	3.632	2.055	.932
(b)	MS29561-272	9.454	9.514	240.13	241.66	0.135	0.143	3.429	3.632	2.110	.957
(b)	MS29561-273	9.704	9.764	246.48	248.01	0.135	0.143	3.429	3.632	2.165	.982
(b)	MS29561-274	9.954	10.014	252.83	254.36	0.135	0.143	3.429	3.632	2.220	1.007
	MS29561-325	1.465	1.485	37.21	37.72	0.205	0.215	5.21	5.46	.843	.382
	MS29561-326	1.590	1.610	40.39	40.89	0.205	0.215	5.21	5.46	.906	.411
	MS29561-327	1.715	1.735	43.56	44.07	0.205	0.215	5.21	5.46	.969	.440
	MS29561-328	1.840	1.860	46.74	47.24	0.205	0.215	5.21	5.46	1.031	.468
	MS29561-329	1.965	1.985	49.91	50.42	0.205	0.215	5.21	5.46	1.094	.496
	MS29561-330	2.090	2.110	53.09	53.59	0.205	0.215	5.21	5.46	1.156	.524

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

PART NUMBER	ID IN		ID (mm)		W DIA IN		W DIA (mm)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	kg/100
MS29561-331	2.215	2.235	56.26	56.77	0.205	0.215	5.21	5.46	1.219	.553
MS29561-332	2.340	2.360	59.44	59.94	0.205	0.215	5.21	5.46	1.282	.582
MS29561-333	2.465	2.485	62.61	63.12	0.205	0.215	5.21	5.46	1.344	.610
MS29561-334	2.590	2.610	65.79	66.29	0.205	0.215	5.21	5.46	1.407	.638
MS29561-335	2.710	2.740	68.83	69.60	0.205	0.215	5.21	5.46	1.469	.666
MS29561-336	2.835	2.865	72.01	72.77	0.205	0.215	5.21	5.46	1.532	.695
MS29561-337	2.960	2.990	75.18	75.95	0.205	0.215	5.21	5.46	1.594	.723
MS29561-338	3.085	3.115	78.36	79.12	0.205	0.215	5.21	5.46	1.657	.752
MS29561-339	3.210	3.240	81.53	82.30	0.205	0.215	5.21	5.46	1.719	.780
MS29561-340	3.335	3.365	84.71	85.47	0.205	0.215	5.21	5.46	1.782	.808
MS29561-341	3.460	3.490	87.88	88.65	0.205	0.215	5.21	5.46	1.845	.837
MS29561-342	3.585	3.615	91.06	91.82	0.205	0.215	5.21	5.46	1.907	.865
MS29561-343	3.710	3.740	94.23	95.00	0.205	0.215	5.21	5.46	1.970	.894
MS29561-344	3.835	3.865	97.41	98.17	0.205	0.215	5.21	5.46	2.032	.922
MS29561-345	3.960	3.990	100.58	101.35	0.205	0.215	5.21	5.46	2.095	.950
MS29561-346	4.085	4.115	103.76	104.52	0.205	0.215	5.21	5.46	2.157	.978
MS29561-347	4.210	4.240	106.93	107.70	0.205	0.215	5.21	5.46	2.220	1.007
MS29561-348	4.335	4.365	110.11	110.87	0.205	0.215	5.21	5.46	2.282	1.035
MS29561-349	4.460	4.490	113.28	114.05	0.205	0.215	5.21	5.46	2.345	1.064
MS29561-425	4.460	4.490	113.28	114.05	0.269	0.281	6.83	7.14	4.077	1.849
MS29561-426	4.585	4.615	116.46	117.22	0.269	0.281	6.83	7.14	4.185	1.898
MS29561-427	4.710	4.740	119.63	120.40	0.269	0.281	6.83	7.14	4.292	1.947
MS29561-428	4.835	4.865	122.81	123.57	0.269	0.281	6.83	7.14	4.399	1.995
MS29561-429	4.960	4.990	125.98	126.75	0.269	0.281	6.83	7.14	4.506	2.044
MS29561-430	5.077	5.123	128.96	130.12	0.269	0.281	6.83	7.14	4.614	2.093
MS29561-431	5.202	5.248	132.13	133.30	0.269	0.281	6.83	7.14	4.721	2.141
MS29561-432	5.237	5.373	135.31	136.47	0.269	0.281	6.83	7.14	4.828	2.190
MS29561-433	5.452	5.498	138.48	139.65	0.269	0.281	6.83	7.14	4.935	2.239
MS29561-434	5.577	5.623	141.66	142.82	0.269	0.281	6.83	7.14	5.042	2.287
MS29561-435	5.702	5.748	144.83	146.00	0.269	0.281	6.83	7.14	5.150	2.336
MS29561-436	5.827	5.873	148.01	149.17	0.269	0.281	6.83	7.14	5.257	2.385
MS29561-437	5.952	5.998	151.18	152.35	0.269	0.281	6.83	7.14	5.364	2.433
MS29561-438	6.202	6.248	157.53	158.70	0.269	0.281	6.83	7.14	5.579	2.531
MS29561-439	6.452	6.498	163.88	165.05	0.269	0.281	6.83	7.14	5.794	2.628
MS29561-440	6.702	6.748	170.23	171.40	0.269	0.281	6.83	7.14	6.008	2.725
MS29561-441	6.952	6.998	176.58	177.75	0.269	0.281	6.83	7.14	6.223	2.823
MS29561-442	7.195	7.255	182.75	184.28	0.269	0.281	6.83	7.14	6.438	2.920
MS29561-443	7.445	7.505	189.10	190.63	0.269	0.281	6.83	7.14	6.652	3.017
MS29561-444	7.695	7.755	195.45	196.98	0.269	0.281	6.83	7.14	6.867	3.115
MS29561-445	7.945	8.005	201.80	203.33	0.269	0.281	6.83	7.14	7.081	3.212
MS29561-446	8.445	8.505	214.50	216.03	0.269	0.281	6.83	7.14	7.510	3.407
MS29561-447	8.945	9.005	227.20	228.73	0.269	0.281	6.83	7.14	7.940	3.602
MS29561-448	9.445	9.505	239.90	241.43	0.269	0.281	6.83	7.14	8.369	3.796
MS29561-449	9.945	10.005	252.60	254.13	0.269	0.281	6.83	7.14	8.798	3.991
MS29561-450	10.445	10.505	265.30	266.83	0.269	0.281	6.83	7.14	9.227	4.185
MS29561-451	10.945	11.005	278.00	279.53	0.269	0.281	6.83	7.14	9.656	4.380
MS29561-452	11.445	11.505	290.70	292.23	0.269	0.281	6.83	7.14	10.086	4.575
MS29561-453	11.945	12.005	303.40	304.93	0.269	0.281	6.83	7.14	10.515	4.770
MS29561-454	12.445	12.505	316.10	317.63	0.269	0.281	6.83	7.14	10.944	4.964
MS29561-455	12.945	13.005	328.80	330.33	0.269	0.281	6.83	7.14	11.373	5.159
MS29561-456	13.445	13.505	341.50	343.03	0.269	0.281	6.83	7.14	11.802	5.353
MS29561-457	13.945	14.005	354.20	355.73	0.269	0.281	6.83	7.14	12.231	5.548
MS29561-458	14.445	14.505	366.90	368.43	0.269	0.281	6.83	7.14	12.660	5.742
MS29561-459	14.945	15.005	379.60	381.13	0.269	0.281	6.83	7.14	13.090	5.938
MS29561-460	15.445	15.505	392.30	393.83	0.269	0.281	6.83	7.14	13.519	6.132