



Final Inspection Report

Form QA2F03 Rev 5

Customer: Gene Massion			Contact: Gene Massion			Supplier: XOMETRY			Cage Code: 74HM3					
Part Number / Rev: 1 -20082015-901206 A			Part Name: HOUSING, LIONIX V6.2			Order ID: 63270-15000			Lot Size: 10					
Material / Lot #: PEEK Lot#: 0093679448.11			Finish: Standard			Part ID: 07AA7FA			Sample Size: 5					
Sample Results Columns are required to be completed. Min/Max Results will auto-populate. (Fonts: Green indicates measurement is within tolerance, Red indicates measurement is out of tolerance, Black is for Xometry internal use only. Do not change formatting.)											Inspection / Test Results			Other Fields
Balloon:	Feature:	Requirement:	Units	Upper Limit:	Lower Limit:	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Min Result:	Max Result:	Measurement Tool Type & ID #:	Notes/Deviation Case Number:
1	Note	1) Mat't PEEK, non-filled MIL-P 45183, cerfe req'd	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	MTR	
2	Note	PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	INDICATOR ID: 300.6.9	
3	Linear	.340	INCH	0.3450	0.3350	0.3409	0.3415	0.3416	0.3431	0.3406	0.3406	0.3431	ROMER ARM ID: 8525	
4	Linear	.390	INCH	0.3950	0.3850	0.3926	0.3915	0.3909	0.3885	0.3916	0.3885	0.3926	ROMER ARM ID: 8525	
5	Diameter	Ø1.058	INCH	1.0630	1.0530	1.0550	1.0541	1.0542	1.0598	1.0544	1.0541	1.0598	ROMER ARM ID: 8525	
6	Linear	2X 1.085	INCH	1.0900	1.0800	1.0866	1.0856	1.0872	1.0832	1.0839	1.0832	1.0872	ROMER ARM ID: 8525	
7	Linear	.363	INCH	0.3680	0.3580	0.3619	0.3650	0.3638	0.3679	0.3614	0.3614	0.3679	ROMER ARM ID: 8525	
8	Diameter	Ø.900 +.000/- .002	INCH	0.9000	0.8980	0.8986	0.8983	0.8982	0.8989	0.8988	0.8982	0.8989	ROMER ARM & BLADE MIC ID: 8525 & 50.2.8	
9	Diameter	Ø1.200	INCH	1.2050	1.1950	1.1982	1.1984	1.1976	1.1994	1.1967	1.1967	1.1994	ROMER ARM ID: 8525	
10	Linear	.930	INCH	0.9350	0.9250	0.9274	0.9320	0.9348	0.9348	0.9255	0.9255	0.9348	ROMER ARM ID: 8525	
11	Linear	.501	INCH	0.5060	0.4960	0.5015	0.5005	0.5009	0.5013	0.5002	0.5002	0.5015	ROMER ARM ID: 8525	
12	Diameter	Ø.275 +.003/- .002	INCH	0.2750	0.2730	0.2731	0.2739	0.2735	0.2746	0.2732	0.2731	0.2746	ROMER ARM & BLADE MIC ID: 8525 & 50.2.8	
13	Diameter	Ø.435 +.003/- .002	INCH	0.4350	0.4330	0.4333	0.4336	0.4346	0.4343	0.4338	0.4333	0.4346	ROMER ARM & MICROMETER ID: 8525 & 100.5.6	
14	Diameter	Ø1.200	INCH	1.2050	1.1950	1.1982	1.1984	1.1976	1.1994	1.1967	1.1967	1.1994	ROMER ARM ID: 8525	
15	Linear	2X .450	INCH	0.4550	0.4450	0.4514	0.4494	0.4496	0.4505	0.4511	0.4494	0.4514	ROMER ARM ID: 8525	
16	Diameter	4X Ø.094	INCH	0.0990	0.0890	0.0977	0.0953	0.0947	0.0964	0.0955	0.0947	0.0977	ROMER ARM ID: 8525	
17	Linear	.226	INCH	0.2300	0.2200	0.2216	0.2245	0.2253	0.2262	0.2285	0.2216	0.2285	ROMER ARM ID: 8525	
18	Linear	2X .753	INCH	0.7580	0.7480	0.7521	0.7546	0.7530	0.7513	0.7512	0.7512	0.7546	ROMER ARM ID: 8525	
19	Linear	.500	INCH	0.5050	0.4950	0.5023	0.5021	0.5030	0.4970	0.5037	0.4970	0.5037	ROMER ARM ID: 8525	
20	Linear	.295	INCH	0.3000	0.2900	0.2933	0.2923	0.2975	0.2924	0.2971	0.2923	0.2975	ROMER ARM ID: 8525	
21	Linear	.014	INCH	0.0190	0.0090	0.0114	0.0136	0.0131	0.0120	0.0129	0.0114	0.0136	ROMER ARM ID: 8525	
22	Linear	.178	INCH	0.1830	0.1730	0.1772	0.1765	0.1768	0.1754	0.1764	0.1754	0.1772	ROMER ARM ID: 8525	
23	Linear	.169	INCH	0.1740	0.1640	0.1698	0.1678	0.1675	0.1722	0.1694	0.1675	0.1722	ROMER ARM ID: 8525	
24.1	Diameter	Ø.096	INCH	0.1010	0.0910	0.0927	0.0968	0.0984	0.0977	0.0924	0.0924	0.0984	ROMER ARM ID: 8525	
24.2	Depth	▽.226	INCH	0.2310	0.2210	0.2280	0.2270	0.2280	0.2270	0.2260	0.2260	0.2280	CALIPER ID: 500-197-30	
24.3	Thread	2-56	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	THREAD GAUGE ID: 90.100.8	
25	Linear	.121	INCH	0.1260	0.1160	0.1235	0.1233	0.1213	0.1213	0.1230	0.1213	0.1235	ROMER ARM ID: 8525	
26	Linear	.135	INCH	0.1400	0.1300	0.1367	0.1347	0.1348	0.1338	0.1339	0.1338	0.1367	ROMER ARM ID: 8525	
27.1	Diameter	Ø.138 +.003/- .009	INCH	0.1410	0.1380	0.1393	0.1408	0.1395	0.1392	0.1391	0.1391	0.1408	ROMER ARM & PIN GAUGES ID: 8525 & 100.6.6	
27.2	Depth	▽.250	INCH	0.2550	0.2450	0.2540	0.2530	0.2520	0.2530	0.2530	0.2520	0.2540	CALIPER ID: 500-197-30	

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Material / Lot #: PEEK Lot#: 0093679448.11			Finish: Standard					Part ID: 07AA7FA				Sample Size: 5		
Sample Results Columns are required to be completed. Min/Max Results will auto-populate. (Fonts: Green indicates measurement is within tolerance, Red indicates measurement is out of tolerance, Black is for Xometry internal use only. Do not change formatting.)											Inspection / Test Results			Other Fields
Balloon:	Feature:	Requirement:	Units	Upper Limit:	Lower Limit:	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Min Result:	Max Result:	Measurement Tool Type & ID #:	Notes/ Deviation Case Number:
27.3	Countersink	√.157	INCH	0.1620	0.1520	0.1530	0.1593	0.1533	0.1536	0.1523	0.1523	0.1593	ROMER ARM ID: 8525	
27.4	Angular	60°	DEG	61.0000	59.0000	59.8378	60.2715	60.0788	59.7897	59.5463	59.5463	60.2715	ROMER ARM ID: 8525	
28	Angular	15°	DEG	16.0000	14.0000	14.5219	15.0735	14.6903	14.7975	15.0518	14.5219	15.0735	ROMER ARM ID: 8525	
29	Angular	10°	DEG	11.0000	9.0000	9.3102	10.3367	9.3912	10.9869	10.7910	9.3102	10.9869	ROMER ARM ID: 8525	
30.1	Diameter	Ø.188	INCH	0.1930	0.1830	0.1853	0.1898	0.1866	0.1870	0.1886	0.1853	0.1898	ROMER ARM ID: 8525	
30.2	Depth	℥2.100	INCH	2.1050	2.0950	2.1010	2.1020	2.1030	2.1020	2.1010	2.1010	2.1030	CALIPER ID: 500-197-30	
31	Surface Finish	32√C	INCH	32.0000	0.0000	29.5500	30.8900	30.1500	31.4400	27.6900	27.6900	31.4400	SURFACE TESTER ID: 200-50-3A	
32	Linear	.115	INCH	0.1200	0.1100	0.1164	0.1125	0.1139	0.1195	0.1124	0.1124	0.1195	ROMER ARM ID: 8525	
33	Surface Finish	32√C	INCH	32.0000	0.0000	27.2000	21.8300	20.5100	21.6600	28.1300	20.5100	28.1300	SURFACE TESTER ID: 200-50-3A	
34	Linear	.140 to .145	INCH	0.1450	0.1400	0.1402	0.1417	0.1439	0.1401	0.1423	0.1401	0.1439	ROMER ARM ID: 8525	
35	Surface Finish	32√C	INCH	32.0000	0.0000	28.6900	28.4800	23.0200	25.0900	30.2000	23.0200	30.2000	SURFACE TESTER ID: 200-50-3A	
36	Radial	2X R.005	INCH	0.0100	0.0000	0.0063	0.0062	0.0035	0.0037	0.0034	0.0034	0.0063	ROMER ARM ID: 8525	
37	Radial	2X R.005 to .015	INCH	0.0150	0.0050	0.0136	0.0061	0.0131	0.0134	0.0084	0.0061	0.0136	ROMER ARM ID: 8525	
38	Surface Finish	32√C	INCH	32.0000	0.0000	27.9300	24.2100	30.7400	30.8300	23.2300	23.2300	30.8300	SURFACE TESTER ID: 200-50-3A	
39	Linear	.087	INCH	0.0920	0.0820	0.0889	0.0841	0.0902	0.0860	0.0881	0.0841	0.0902	ROMER ARM ID: 8525	
40	Surface Finish	32√C	INCH	32.0000	0.0000	0.1430	0.1447	0.1437	0.1412	0.1432	0.1412	0.1447	ROMER ARM ID: 8525	
41	Linear	.140 to .145	INCH	0.1450	0.1400	0.1438	0.1446	0.1431	0.1442	0.1432	0.1431	0.1446	ROMER ARM ID: 8525	
42	Surface Finish	32√C	INCH	32.0000	0.0000	28.5200	28.3000	20.0700	23.6600	30.8100	20.0700	30.8100	SURFACE TESTER ID: 200-50-3A	
43	Radial	2X R.005 to .015	INCH	0.0150	0.0050	0.0120	0.0116	0.0107	0.0109	0.0092	0.0092	0.0120	ROMER ARM ID: 8525	
44	Radial	2X R.005	INCH	0.0100	0.0000	0.0052	0.0063	0.0078	0.0064	0.0061	0.0052	0.0078	ROMER ARM ID: 8525	
45	Surface Finish	32√C	INCH	32.0000	0.0000	29.8600	21.5800	28.3300	23.6700	22.4700	21.5800	29.8600	SURFACE TESTER ID: 200-50-3A	
46	Angular	24.9°	DEG	25.9000	23.9000	25.2541	24.8278	24.9076	24.5206	24.6202	24.5206	25.2541	ROMER ARM ID: 8525	
47.1	Diameter	4X Ø.089	INCH	0.0940	0.0840	0.0860	0.0869	0.0850	0.0874	0.0862	0.0850	0.0874	ROMER ARM ID: 8525	
47.2	Depth	4X ℥.230	INCH	0.2350	0.2250	0.2340	0.2340	0.2350	0.2340	0.2340	0.2340	0.2350	CALIPER ID: 500-197-30	
47.3	Thread	4X 4-40 UNC	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	THREAD GAUGE ID: 90.4.8	
47.4	Depth	4X ℥.224 MIN	INCH	999.0000	0.2240	0.2290	0.2300	0.2310	0.2300	0.2300	0.2290	0.2310	CALIPER ID: 500-197-30	
48	Diameter	Ø.961	INCH	0.9660	0.9560	0.9629	0.9632	0.9614	0.9623	0.9649	0.9614	0.9649	ROMER ARM ID: 8525	
49	Linear	.707	INCH	0.7120	0.7020	0.7043	0.7089	0.7064	0.7058	0.7040	0.7040	0.7069	ROMER ARM ID: 8525	
50	Linear	.353	INCH	0.3580	0.3480	0.3502	0.3540	0.3537	0.3541	0.3522	0.3502	0.3541	ROMER ARM ID: 8525	
51	Diameter	Ø.025	INCH	0.0300	0.0200	0.0282	0.0239	0.0238	0.0245	0.0260	0.0238	0.0282	ROMER ARM ID: 8525	
52.1	Diameter	2X Ø.070	INCH	0.0750	0.0650	0.0713	0.0707	0.0714	0.0724	0.0677	0.0677	0.0724	ROMER ARM ID: 8525	
52.2	Depth	2X ℥.228	INCH	0.2310	0.2210	0.2290	0.2280	0.2280	0.2290	0.2270	0.2270	0.2290	CALIPER ID: 500-197-30	
52.3	Thread	2X 2-56 UNC	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	THREAD GAUGE ID: 90.5.7	
52.4	Depth	2X ℥.172 MIN	INCH	999.0000	0.1720	0.1750	0.1730	0.1790	0.1780	0.1730	0.1730	0.1790	CALIPER ID: 500-197-30	
53	Linear	.100	INCH	0.1050	0.0950	0.1025	0.1031	0.1049	0.1036	0.1013	0.1013	0.1049	ROMER ARM ID: 8525	

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Sample Results Columns are required to be completed. Min/Max Results will auto-populate. (Fonts: Green indicates measurement is within tolerance, Red indicates measurement is out of tolerance, Black is for Xometry internal use only. Do not change formatting.)											Inspection / Test Results			Other Fields	
Balloon:	Feature:	Requirement:	Units	Upper Limit:	Lower Limit:	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Min Result:	Max Result:	Measurement Tool Type & ID #:	Notes/ Deviation Case Number:	
54	Diameter	$\phi 384 \pm .001$	INCH	0.3850	0.3830	0.3842	0.3839	0.3834	0.3833	0.3834	0.3833	0.3842	ROMER ARM & PIN GAUGES ID: 8525 & 100.6.6		
55	Angular	20°	DEG	21.0000	19.0000	19.8961	20.3384	19.7859	19.7336	19.7349	19.7336	20.3384	ROMER ARM ID: 8525		
56	Linear	.040	INCH	0.0450	0.0350	0.0351	0.0419	0.0357	0.0425	0.0361	0.0351	0.0425	ROMER ARM ID: 8525		
57	Surface Finish	32√C	INCH	32.0000	0.0000	27.4800	27.5100	31.6900	30.1800	28.4000	27.4800	31.6900	SURFACE TESTER ID: 200-50-3A		
58	Surface Finish	32√C	INCH	32.0000	0.0000	26.3100	27.4800	25.9300	29.1800	28.3300	25.9300	29.1800	SURFACE TESTER ID: 200-50-3A		
59	Linear	.145	INCH	0.1500	0.1400	0.1436	0.1426	0.1437	0.1438	0.1455	0.1426	0.1455	ROMER ARM ID: 8525		
60	Angular	30°	DEG	31.0000	29.0000	29.8526	29.9258	29.9082	30.0298	30.2085	29.8526	30.2085	ROMER ARM ID: 8525		
61	Linear	.610	INCH	0.6150	0.6050	0.6118	0.6099	0.6127	0.6107	0.6081	0.6081	0.6127	ROMER ARM ID: 8525		
62	Angular	90°	DEG	91.0000	89.0000	90.1724	89.9801	90.1001	90.0957	90.1698	89.9801	90.1724	ROMER ARM ID: 8525		
63	Diameter	$\phi 078$	INCH	0.0830	0.0730	0.0783	0.0791	0.0792	0.0796	0.0773	0.0773	0.0796	ROMER ARM ID: 8525		
64	Linear	.500	INCH	0.5050	0.4950	0.5005	0.5026	0.5032	0.4983	0.5023	0.4983	0.5032	ROMER ARM ID: 8525		
65	Linear	.030	INCH	0.0350	0.0250	0.0330	0.0282	0.0252	0.0271	0.0268	0.0252	0.0330	ROMER ARM ID: 8525		
66	Linear	.420	INCH	0.4250	0.4150	0.4220	0.4216	0.4217	0.4203	0.4215	0.4203	0.4220	ROMER ARM ID: 8525		
67	Surface Finish	32√C	INCH	32.0000	0.0000	30.1100	31.2100	28.7400	26.5500	30.9100	26.5500	31.2100	SURFACE TESTER ID: 200-50-3A		
68	Diameter	$\phi 625 +.002/-0.000$	INCH	0.6270	0.6250	0.6268	0.6262	0.6264	0.6260	0.6265	0.6260	0.6268	ROMER ARM & PIN GAUGES ID: 8525 & 100.6.6		
69	Linear	.040 ± .002	INCH	0.0420	0.0380	0.0397	0.0392	0.0416	0.0401	0.0393	0.0392	0.0416	ROMER ARM ID: 8525		
70	Linear	.170 ± .002	INCH	0.1720	0.1680	0.1696	0.1691	0.1698	0.1695	0.1693	0.1691	0.1698	ROMER ARM ID: 8525		
71	Angular	45°	DEG	46.0000	44.0000	45.2532	44.8216	45.0560	45.0883	44.9664	44.8216	45.2532	ROMER ARM ID: 8525		
72	Linear	.100	INCH	0.1050	0.0950	0.1013	0.1014	0.0996	0.0986	0.0989	0.0986	0.1014	ROMER ARM ID: 8525		
73	Diameter	$\phi 083$	INCH	0.0880	0.0780	0.0841	0.0807	0.0866	0.0856	0.0864	0.0807	0.0866	ROMER ARM ID: 8525		
74	Linear	.010	INCH	0.0150	0.0050	0.0084	0.0085	0.0068	0.0077	0.0086	0.0068	0.0086	ROMER ARM ID: 8525		
75	Diameter	$\phi 057$	INCH	0.0620	0.0520	0.0589	0.0593	0.0576	0.0521	0.0529	0.0521	0.0593	ROMER ARM ID: 8525		
76	Linear	.384	INCH	0.3890	0.3790	0.3834	0.3809	0.3867	0.3830	0.3875	0.3809	0.3875	ROMER ARM ID: 8525		
77.1	Diameter	4X $\phi 064$	INCH	0.0690	0.0590	0.0651	0.0646	0.0658	0.0649	0.0654	0.0646	0.0658	ROMER ARM ID: 8525		
77.2	Depth	4X $\nabla .100$	INCH	0.1050	0.0950	0.1040	0.1030	0.1040	0.1040	0.1030	0.1030	0.1040	CALIPER ID: 500-197-30		
77.3	Thread	4X 0-80	INCH	N/A	PASS	3.0000	PASS	PASS	PASS	PASS	Pass	Pass	THREAD GAUGE ID: 200.1.7		
78	Linear	.192	INCH	0.1970	0.1870	0.1942	0.1933	0.1934	0.1939	0.1932	0.1932	0.1942	ROMER ARM ID: 8525		
79	Linear	.297	INCH	0.3020	0.2920	0.2965	0.3012	0.2983	0.2960	0.2993	0.2960	0.3012	ROMER ARM ID: 8525		
80	Linear	.030	INCH	0.0350	0.0250	0.0283	0.0322	0.0271	0.0323	0.0321	0.0271	0.0323	ROMER ARM ID: 8525		
81	Linear	.190	INCH	0.1950	0.1850	0.1903	0.1901	0.1905	0.1902	0.1929	0.1901	0.1929	ROMER ARM ID: 8525		
82.1	Diameter	2X $\phi 064$	INCH	0.0690	0.0590	0.0647	0.0650	0.0634	0.0680	0.0648	0.0634	0.0680	ROMER ARM ID: 8525		
82.2	Depth	2X $\nabla .090$	INCH	0.0950	0.0850	0.0910	0.0920	0.0910	0.0930	0.0920	0.0910	0.0930	CALIPER ID: 500-197-30		
82.3	Thread	2X 0-80	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	THREAD GAUGE ID: 200.1.7		
83	Linear	.162	INCH	0.1670	0.1570	0.1640	0.1634	0.1595	0.1601	0.1611	0.1595	0.1640	ROMER ARM ID: 8525		
84	Linear	.325	INCH	0.3300	0.3200	0.3225	0.3229	0.3211	0.3297	0.3274	0.3211	0.3297	ROMER ARM ID: 8525		

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Balloon:	Feature:	Requirement:	Units	Upper Limit:	Lower Limit:	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Min Result:	Max Result:	Measurement Tool Type & ID #:	Notes/ Deviation Case Number:
85.1	Linear	4X .005 +.005/- .000	INCH	0.0100	0.0050	0.0062	0.0086	0.0074	0.0050	0.0077	0.0050	0.0086	ROMER ARM ID: 8525	
85.2	Diameter	4X Ø.031	INCH	0.0360	0.0260	0.0314	0.0330	0.0332	0.0335	0.0352	0.0314	0.0352	ROMER ARM ID: 8525	
86	Linear	.280	INCH	0.2850	0.2750	0.2811	0.2766	0.2775	0.2796	0.2779	0.2766	0.2811	ROMER ARM ID: 8525	
87	Linear	.145	INCH	0.1500	0.1400	0.1478	0.1480	0.1441	0.1429	0.1431	0.1429	0.1480	ROMER ARM ID: 8525	
88	Linear	.358	INCH	0.3630	0.3530	0.3562	0.3541	0.3563	0.3560	0.3533	0.3533	0.3563	ROMER ARM ID: 8525	
89	Surface Finish	32√	INCH	32.0000	0.0000	22.9800	31.0800	30.4500	22.7600	30.0300	22.7600	31.0800	SURFACE TESTER ID: 200-50-3A	
90	Linear	.088	INCH	0.0930	0.0830	0.0858	0.0843	0.0898	0.0873	0.0899	0.0843	0.0899	ROMER ARM ID: 8525	
91	Linear	.164	INCH	0.1690	0.1590	0.1683	0.1652	0.1684	0.1617	0.1591	0.1591	0.1684	ROMER ARM ID: 8525	
92	Radial	2X R.050	INCH	0.0550	0.0450	0.0521	0.0534	0.0540	0.0483	0.0479	0.0479	0.0540	ROMER ARM ID: 8525	
93	Radial	2X R.031	INCH	0.0360	0.0260	0.0323	0.0334	0.0326	0.0264	0.0335	0.0264	0.0335	ROMER ARM ID: 8525	
94	Diameter	Ø.605 +.002/- .005	INCH	0.6050	0.6000	0.6035	0.6048	0.6039	0.6026	0.6025	0.6025	0.6048	ROMER ARM ID: 8525	
95	Radial	2X R.016	INCH	0.0210	0.0110	0.0177	0.0173	0.0181	0.0186	0.0152	0.0152	0.0186	ROMER ARM ID: 8525	
96	Linear	.230	INCH	0.2350	0.2250	0.2295	0.2292	0.2275	0.2293	0.2294	0.2275	0.2295	ROMER ARM ID: 8525	
97	Radial	2X R.005	INCH	0.0100	0.0000	0.0059	0.0065	0.0031	0.0062	0.0054	0.0031	0.0065	ROMER ARM ID: 8525	
98	Surface Finish	32√C	INCH	32.0000	0.0000	26.9900	19.4800	29.5500	25.3700	24.5000	19.4800	29.5500	SURFACE TESTER ID: 200-50-3A	
99	Linear	.059 ± .002	INCH	0.0610	0.0570	0.0593	0.0599	0.0596	0.0590	0.0589	0.0589	0.0599	ROMER ARM ID: 8525	
100	Surface Finish	32√C	INCH	32.0000	0.0000	31.5700	28.5100	29.6000	30.0600	21.8400	21.8400	31.5700	SURFACE TESTER ID: 200-50-3A	
101	Diameter	Ø.236 +.000/- .003	INCH	0.2360	0.2330	0.2342	0.2353	0.2343	0.2344	0.2336	0.2336	0.2353	ROMER ARM ID: 8525	
102.1	Linear	4	MM	4.5000	3.5000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MEASUREMENT FOR O-RING	
102.2	Linear	1	MM	1.5000	0.5000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MEASUREMENT FOR O-RING	
103	Radial	2X R.005 to .010	INCH	0.0100	0.0050	0.0089	0.0078	0.0096	0.0071	0.0072	0.0071	0.0096	ROMER ARM ID: 8525	
104	Linear	.030 +.002/- .000	INCH	0.0320	0.0300	0.0316	0.0313	0.0320	0.0314	0.0318	0.0313	0.0320	ROMER ARM ID: 8525	
105	Surface Finish	32√C	INCH	32.0000	0.0000	24.8800	29.8500	26.3700	30.0900	31.4100	24.8800	31.4100	SURFACE TESTER ID: 200-50-3A	
106	Angular	25°	DEG	26.0000	24.0000	24.9497	24.5842	24.8145	24.9361	24.9406	24.5842	24.9497	ROMER ARM ID: 8525	
107	Linear	.504	INCH	0.5090	0.4990	0.5062	0.5070	0.5034	0.5024	0.5031	0.5024	0.5070	ROMER ARM ID: 8525	
108	Linear	.325	INCH	0.3300	0.3200	0.3206	0.3270	0.3241	0.3235	0.3291	0.3206	0.3291	ROMER ARM ID: 8525	
109	Angular	25°	DEG	26.0000	24.0000	24.9497	24.5842	24.8145	24.9361	24.9406	24.5842	24.9497	ROMER ARM ID: 8525	
110	Note	HELIX 1 275 PITCH 0.5 REV	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	ROMER ARM ID: 8525	
111	Linear	.189	INCH	0.1940	0.1840	0.1871	0.1880	0.1914	0.1876	0.1917	0.1871	0.1917	ROMER ARM ID: 8525	
112	Linear	.327	INCH	0.3320	0.3220	0.3295	0.3301	0.3294	0.3310	0.3317	0.3294	0.3317	KEYENCE ID: IM-7500	
113	Note	HELIX 2 225 PITCH 2.0 REV	INCH	N/A	PASS	PASS	PASS	PASS	PASS	PASS	Pass	Pass	ROMER ARM ID: 8525	
114	Diameter	Ø.141	INCH	0.1460	0.1360	0.1447	0.1437	0.1407	0.1406	0.1449	0.1406	0.1449	ROMER ARM ID: 8525	
115	Angular	25°	DEG	26.0000	24.0000	24.1639	24.9594	24.7203	24.9711	24.9406	24.1639	24.9711	ROMER ARM ID: 8525	
116	Linear	.504	INCH	0.5090	0.4990	0.5062	0.5070	0.5017	0.5024	0.5081	0.5017	0.5081	ROMER ARM ID: 8525	

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

Form QA2F03 Rev 5														
Customer: Gene Massion				Contact: Gene Massion				Supplier: XOMETRY				Cage Code: 74HM3		
Part Number / Rev: 1 -20082015-901206 A				Part Name: HOUSING, LIONIX V6.2				Order ID: 63270-15000				Lot Size: 10		
Material / Lot #: PEEK Lot#: 0093679448.11				Finish: Standard				Part ID: 07AA7FA				Sample Size: 5		
Sample Results Columns are required to be completed. Min/Max Results will auto-populate. (Fonts: Green indicates measurement is within tolerance, Red indicates measurement is out of tolerance, Black is for Xometry internal use only. Do not change formatting.)										Inspection / Test Results			Other Fields	
Balloon:	Feature:	Requirement:	Units	Upper Limit:	Lower Limit:	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Min Result:	Max Result:	Measurement Tool Type & ID #:	Notes/ Deviation Case Number:
Prepared by: James Cunningham										Date:		2025-03-21		