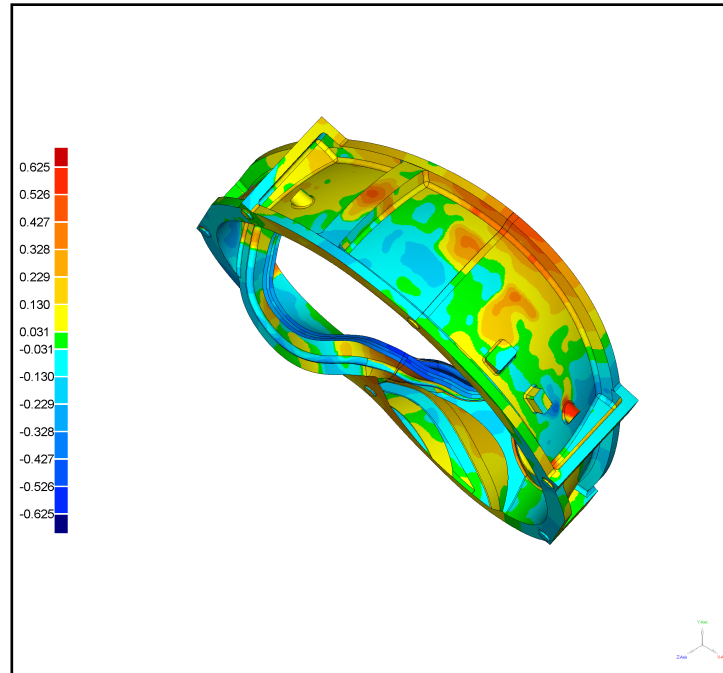


Qualify Report

Title: A3-AR
Date: 1/26/2006, 8:21 am



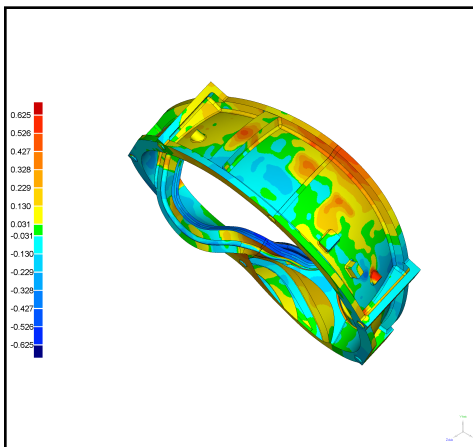
Author: Steve Pilgram
Part: A3 Coil

3D Comparison Results

Reference Model	lps-coil-a-casting
Test Model	Merged Points 1
# Data Points	1307551

Tolerances	in
Max Tol +	0.625
Min Tol +	0.031
Min Tol -	-0.031
Max Tol -	-0.625

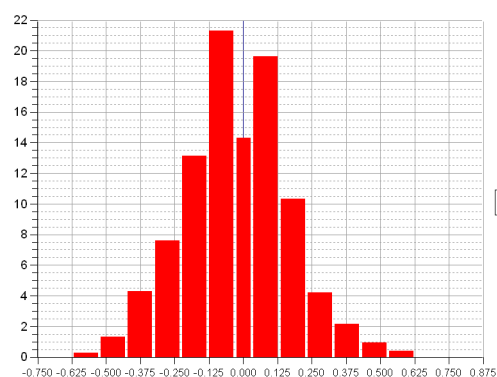
Deviation	in
Max Dev +	0.625
Max Dev -	-0.625
Average +/-	0.134 / -0.156
Std Dev	0.186



Percentage Deviations

>=Min	<Max	# Points	%
-0.625	-0.526	3536	0.270
-0.526	-0.427	17493	1.338
-0.427	-0.328	56075	4.289
-0.328	-0.229	99422	7.604
-0.229	-0.130	172005	13.155
-0.130	-0.031	278477	21.298
-0.031	0.031	187267	14.322
0.031	0.130	256974	19.653
0.130	0.229	135249	10.344
0.229	0.328	55188	4.221
0.328	0.427	28481	2.178
0.427	0.526	12152	0.929
0.526	0.625	5232	0.400

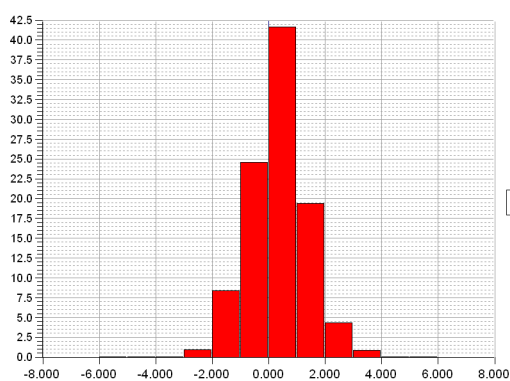
Out of Max Tol +	0	0.000
Out of Max Tol -	0	0.000



Deviation Distribution

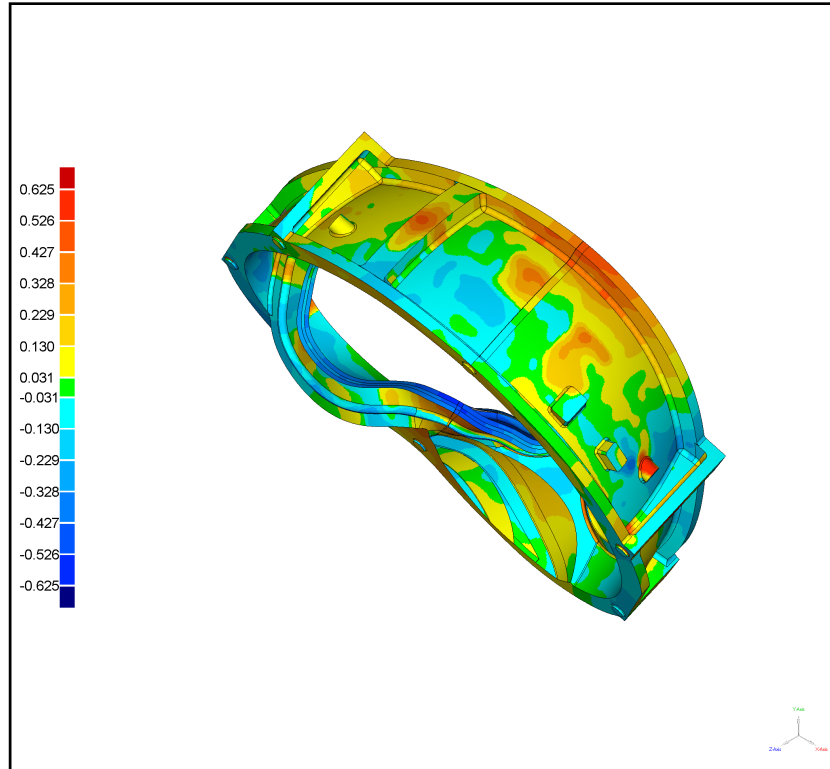
Standard Deviations

Distribution (+/-)	# Points	%
-6 * Std Dev	0	0.000
-5 * Std Dev	0	0.000
-4 * Std Dev	0	0.000
-3 * Std Dev	12035	0.920
-2 * Std Dev	109390	8.366
-1 * Std Dev	320860	24.539
1 * Std Dev	544396	41.635
2 * Std Dev	253174	19.362
3 * Std Dev	56282	4.304
4 * Std Dev	11414	0.873
5 * Std Dev	0	0.000
6 * Std Dev	0	0.000

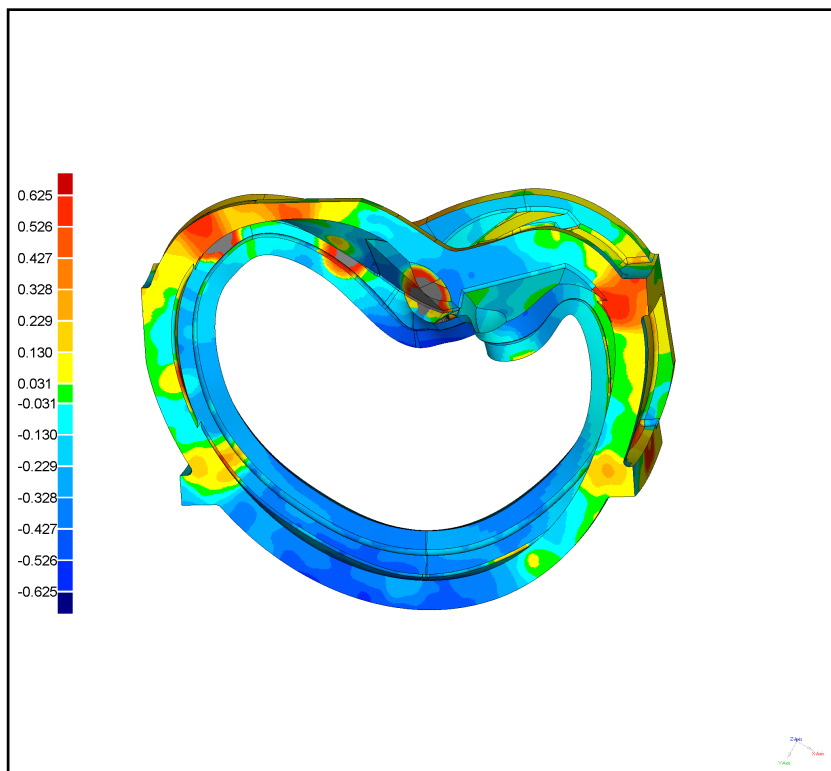


Standard Deviations

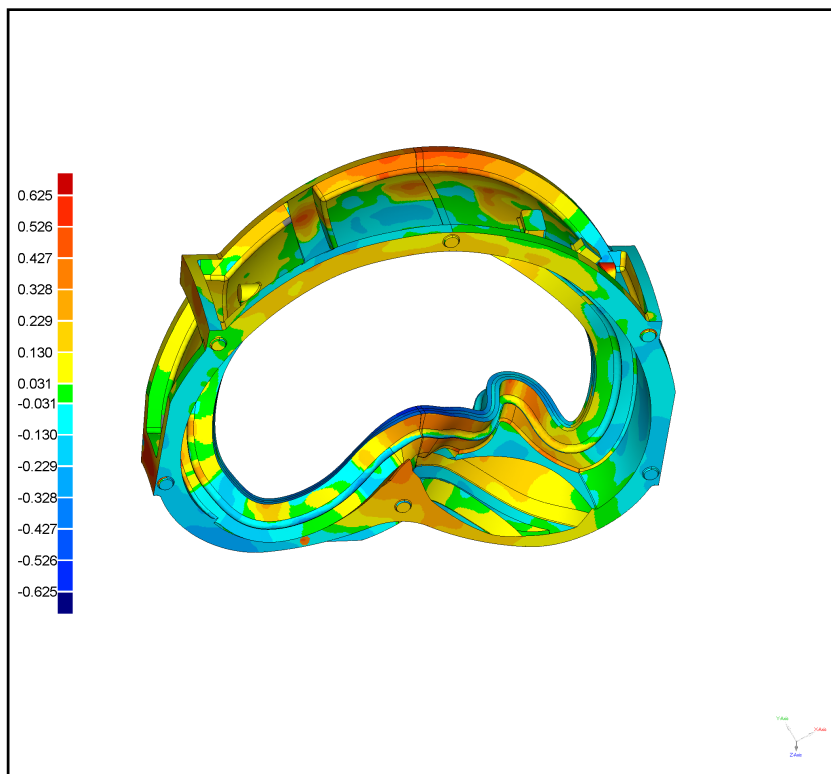
Predefined: Isometric



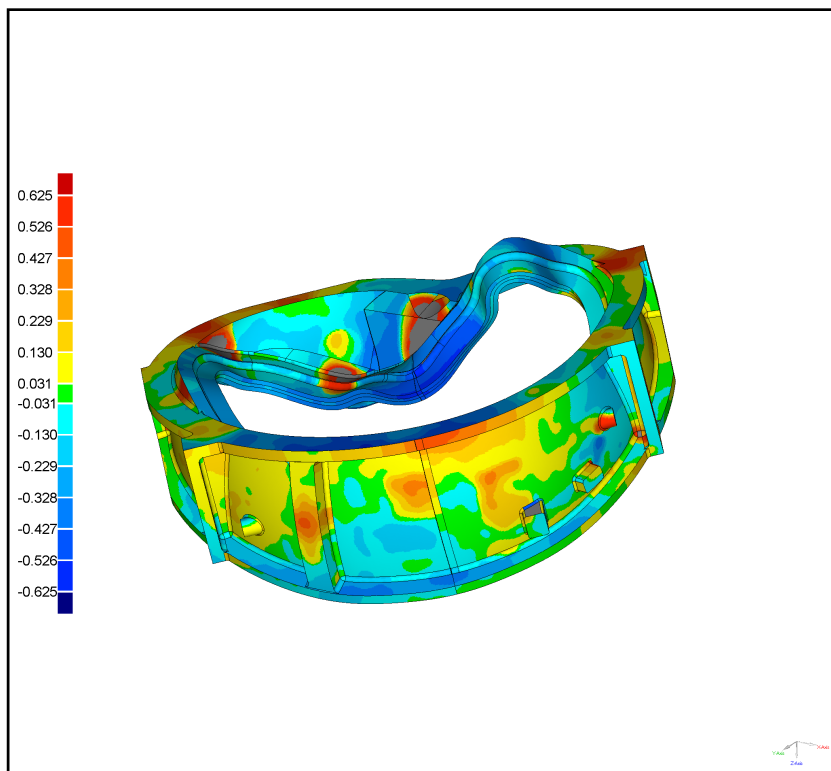
UserDefined: top



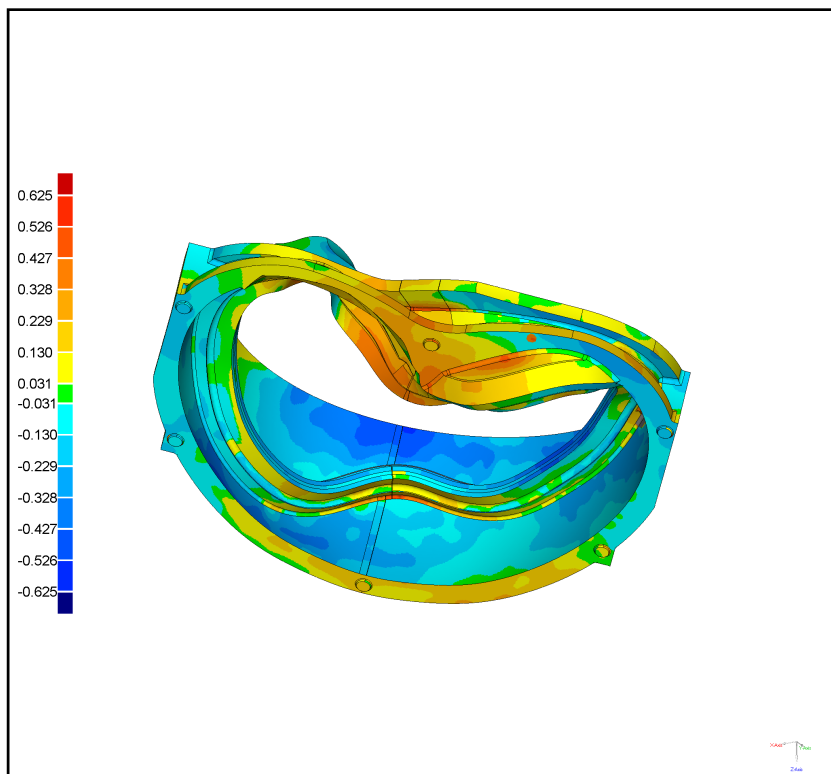
UserDefined: bottom



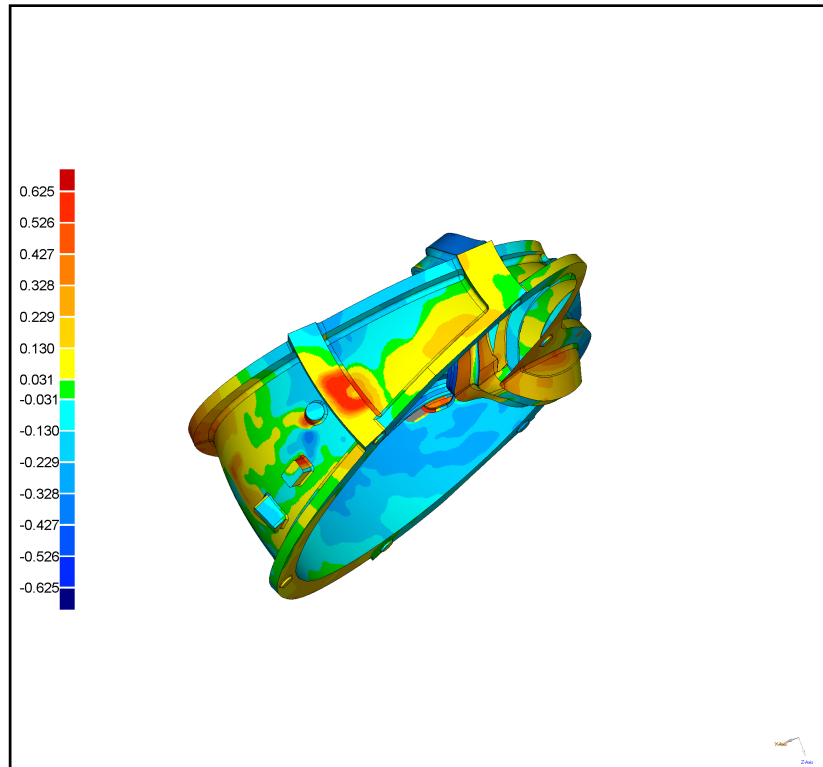
UserDefined: front



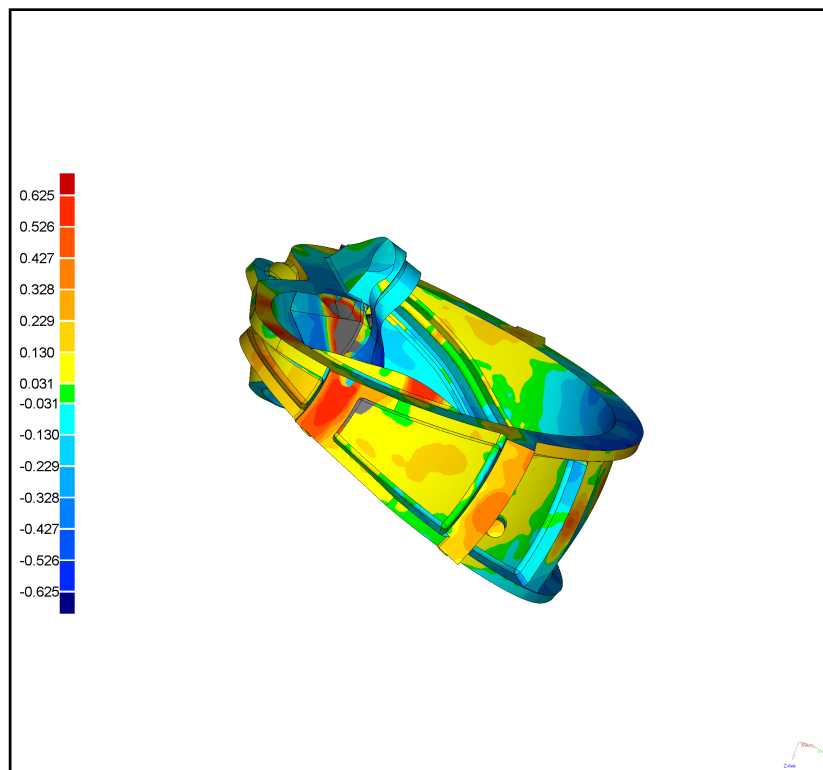
UserDefined: back



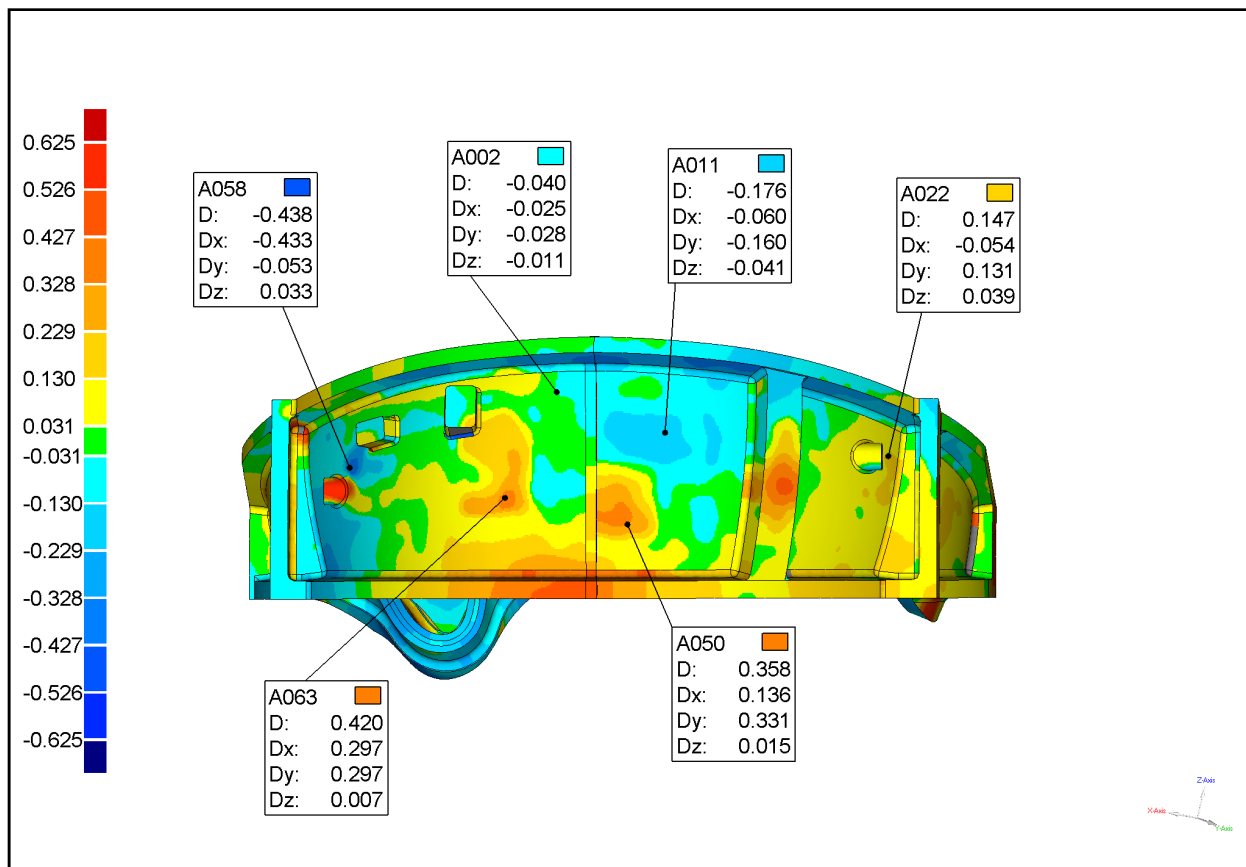
UserDefined: right



UserDefined: left



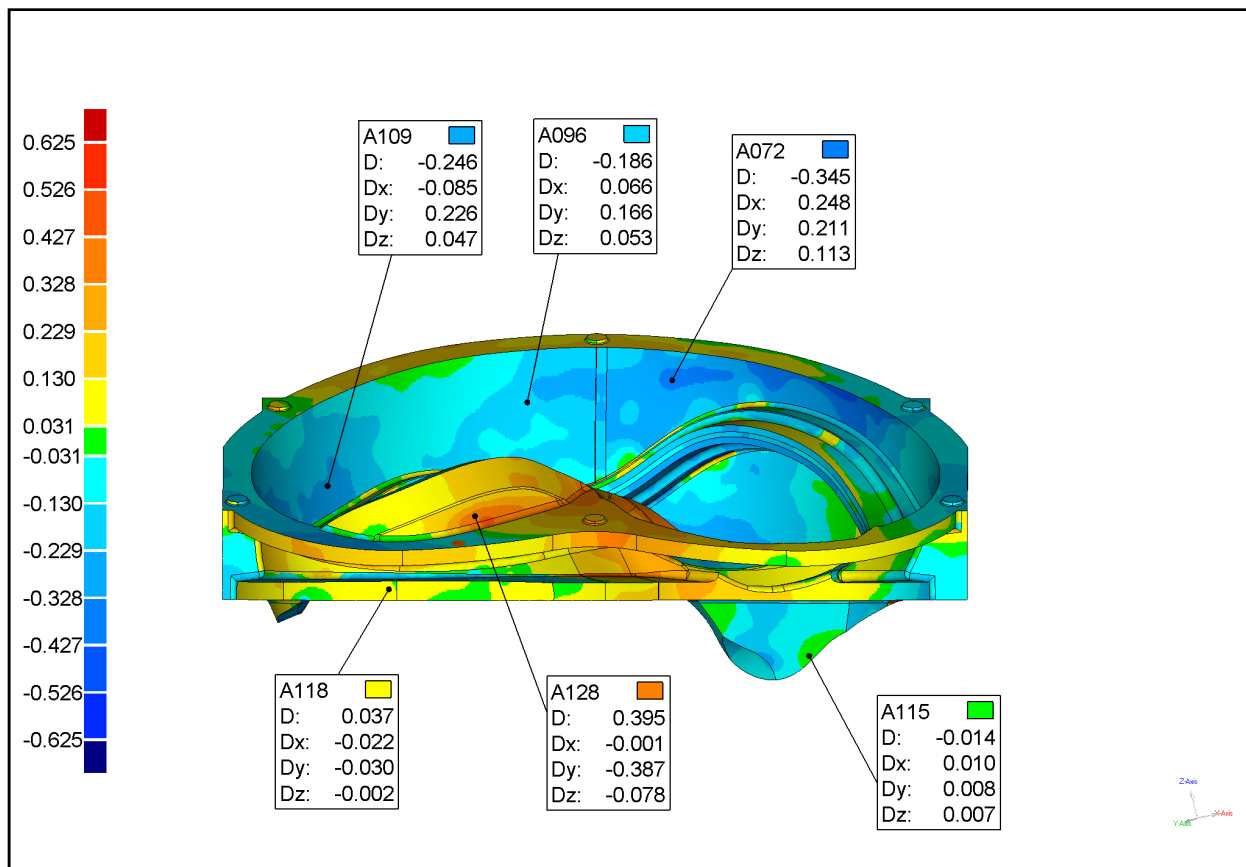
Annotated: Annotation View 1



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A002	-0.040				7.132	0.917	25.939	0.039	-0.025	-0.028	-0.011	7.106	0.888	25.928
A011	-0.176				-7.228	10.071	23.772	0.039	-0.060	-0.160	-0.041	-7.288	9.911	23.730
A022	0.147				-46.124	8.419	26.403	0.039	-0.054	0.131	0.039	-46.179	8.550	26.442
A050	0.358				-3.937	11.066	9.397	0.039	0.136	0.331	0.015	-3.801	11.397	9.412
A058	-0.438				23.213	-26.276	6.948	0.039	-0.433	-0.053	0.033	22.780	-26.328	6.981
A063	0.420				11.530	0.685	9.048	0.039	0.297	0.297	0.007	11.827	0.982	9.055

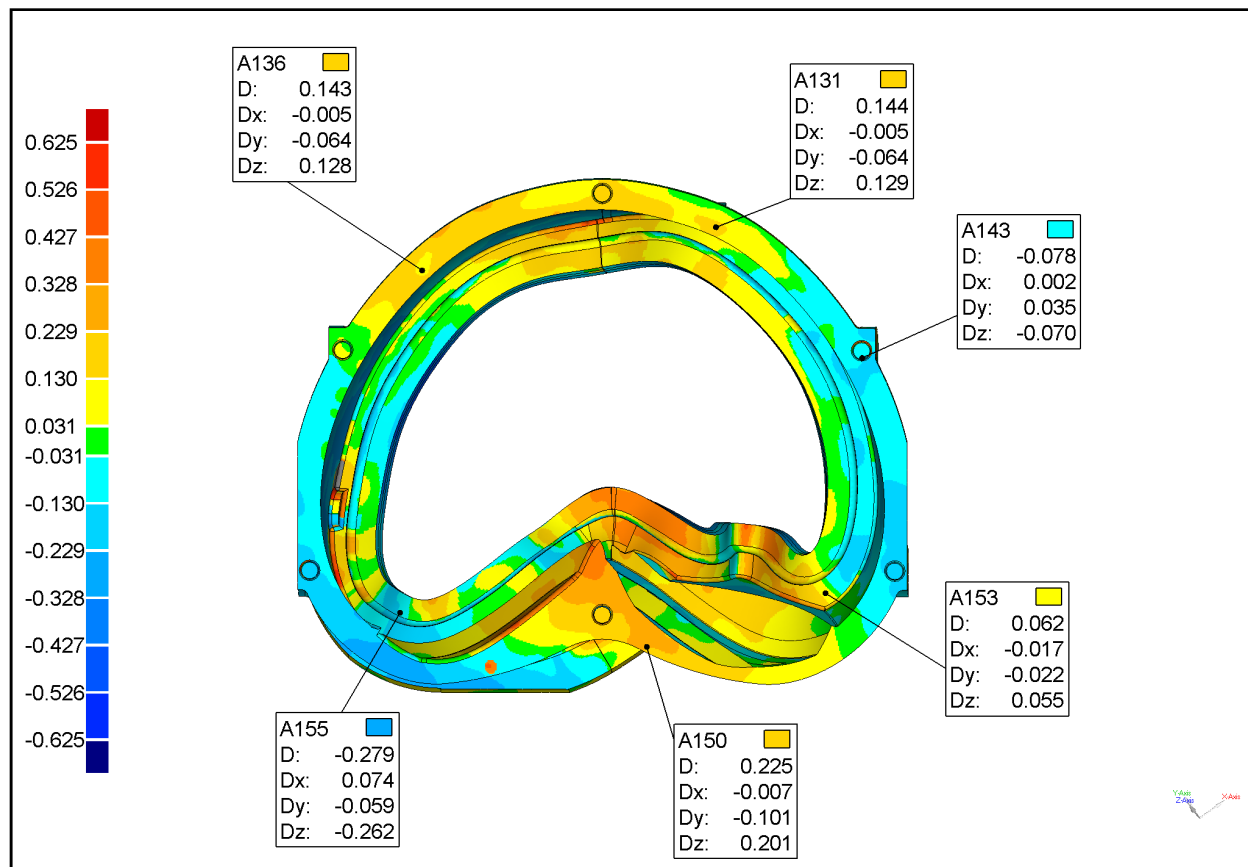
Annotated: Annotation View 2



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A072	-0.345				10.299	-4.593	25.861	0.039	0.248	0.211	0.113	10.548	-4.382	25.974
A096	-0.186				-7.699	7.480	27.622	0.039	0.066	0.166	0.053	-7.633	7.646	27.675
A109	-0.246				-44.657	8.599	21.468	0.039	-0.085	0.226	0.047	-44.742	8.825	21.515
A115	-0.014				-11.960	-58.315	-21.330	0.039	0.010	0.008	0.007	-11.950	-58.308	-21.323
A118	0.037				-72.959	-45.182	1.601	0.039	-0.022	-0.030	-0.002	-72.982	-45.212	1.600
A128	0.395				-56.165	-46.677	9.593	0.039	-0.001	-0.387	-0.078	-56.166	-47.064	9.515

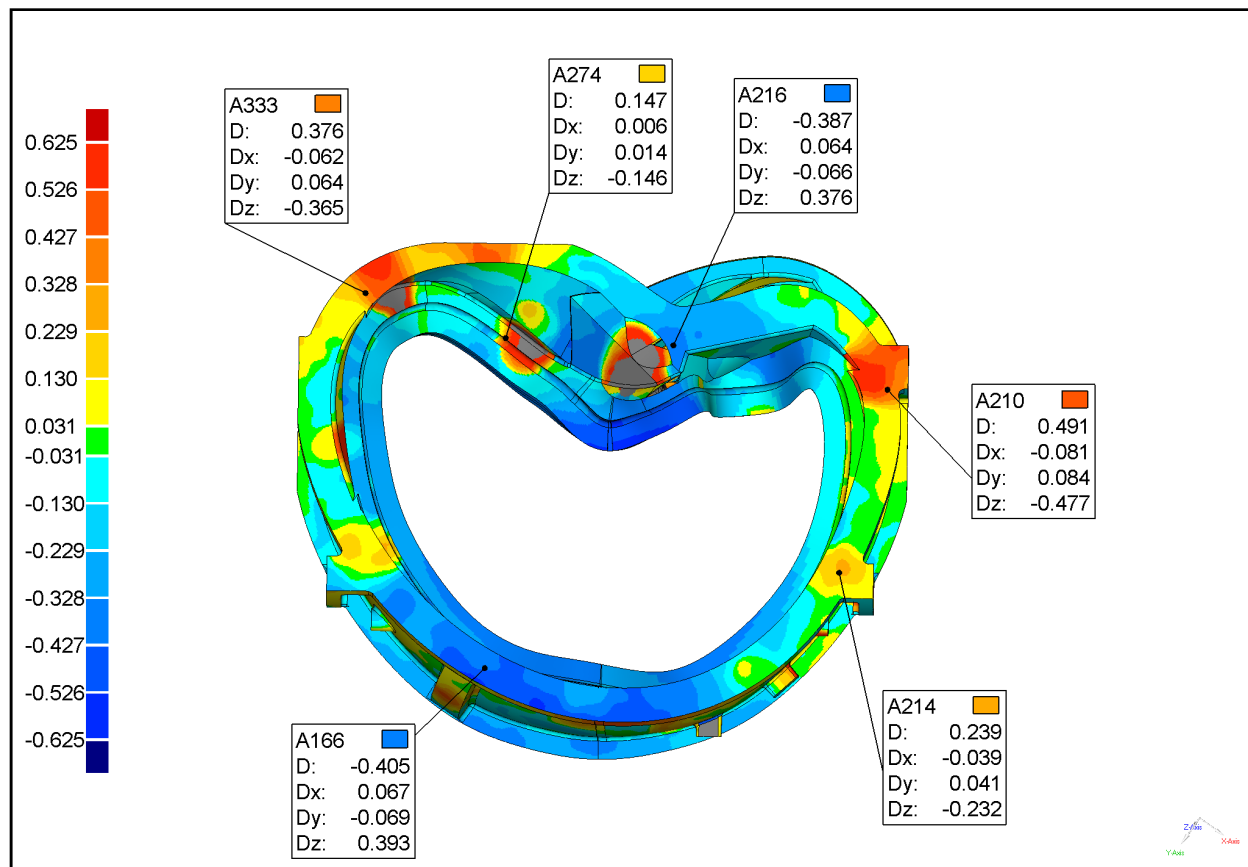
Annotated: Annotation View 3



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A131	0.144				16.924	-12.822	27.211	0.039	-0.005	-0.064	0.129	16.920	-12.887	27.340
A136	0.143				-31.295	9.157	36.453	0.039	-0.005	-0.064	0.128	-31.300	9.093	36.580
A143	-0.078				25.218	-44.055	12.471	0.039	0.002	0.035	-0.070	25.221	-44.021	12.402
A150	0.225				-36.737	-61.710	0.869	0.039	-0.007	-0.101	0.201	-36.744	-61.811	1.070
A153	0.062				-4.847	-67.732	-11.682	0.039	-0.017	-0.022	0.055	-4.864	-67.755	-11.627
A155	-0.279				-70.002	-33.765	13.030	0.039	0.074	-0.059	-0.262	-69.928	-33.824	12.768

Annotated: Annotation View 4



Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A166	-0.405				-21.728	16.475	2.069	0.039	0.067	-0.069	0.393	-21.662	16.406	2.462
A210	0.491				8.457	-65.677	-17.486	0.039	-0.081	0.084	-0.477	8.376	-65.593	-17.963
A214	0.239				20.496	-32.610	-13.709	0.039	-0.039	0.041	-0.232	20.457	-32.569	-13.941
A216	-0.387				-27.723	-51.860	-8.933	0.039	0.064	-0.066	0.376	-27.659	-51.926	-8.557
A274	0.147				-52.995	-42.466	11.842	0.039	0.006	0.014	-0.146	-52.989	-42.452	11.695
A333	0.376				-78.530	-30.184	3.477	0.039	-0.062	0.064	-0.365	-78.591	-30.120	3.112

Annotated: All

Units: in

Name	Dev	Status	Tol +	Tol -	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Test X	Test Y	Test Z
A002	-0.040				7.132	0.917	25.939	0.039	-0.025	-0.028	-0.011	7.106	0.888	25.928
A011	-0.176				-7.228	10.071	23.772	0.039	-0.060	-0.160	-0.041	-7.288	9.911	23.730
A022	0.147				-46.124	8.419	26.403	0.039	-0.054	0.131	0.039	-46.179	8.550	26.442
A050	0.358				-3.937	11.066	9.397	0.039	0.136	0.331	0.015	-3.801	11.397	9.412
A058	-0.438				23.213	-26.276	6.948	0.039	-0.433	-0.053	0.033	22.780	-26.328	6.981
A063	0.420				11.530	0.685	9.048	0.039	0.297	0.297	0.007	11.827	0.982	9.055
A072	-0.345				10.299	-4.593	25.861	0.039	0.248	0.211	0.113	10.548	-4.382	25.974
A096	-0.186				-7.699	7.480	27.622	0.039	0.066	0.166	0.053	-7.633	7.646	27.675
A109	-0.246				-44.657	8.599	21.468	0.039	-0.085	0.226	0.047	-44.742	8.825	21.515
A115	-0.014				-11.960	-58.315	-21.330	0.039	0.010	0.008	0.007	-11.950	-58.308	-21.323
A118	0.037				-72.959	-45.182	1.601	0.039	-0.022	-0.030	-0.002	-72.982	-45.212	1.600
A128	0.395				-56.165	-46.677	9.593	0.039	-0.001	-0.387	-0.078	-56.166	-47.064	9.515
A131	0.144				16.924	-12.822	27.211	0.039	-0.005	-0.064	0.129	16.920	-12.887	27.340
A136	0.143				-31.295	9.157	36.453	0.039	-0.005	-0.064	0.128	-31.300	9.093	36.580
A143	-0.078				25.218	-44.055	12.471	0.039	0.002	0.035	-0.070	25.221	-44.021	12.402
A150	0.225				-36.737	-61.710	0.869	0.039	-0.007	-0.101	0.201	-36.744	-61.811	1.070
A153	0.062				-4.847	-67.732	-11.682	0.039	-0.017	-0.022	0.055	-4.864	-67.755	-11.627
A155	-0.279				-70.002	-33.765	13.030	0.039	0.074	-0.059	-0.262	-69.928	-33.824	12.768
A166	-0.405				-21.728	16.475	2.069	0.039	0.067	-0.069	0.393	-21.662	16.406	2.462
A210	0.491				8.457	-65.677	-17.486	0.039	-0.081	0.084	-0.477	8.376	-65.593	-17.963
A214	0.239				20.496	-32.610	-13.709	0.039	-0.039	0.041	-0.232	20.457	-32.569	-13.941
A216	-0.387				-27.723	-51.860	-8.933	0.039	0.064	-0.066	0.376	-27.659	-51.926	-8.557
A274	0.147				-52.995	-42.466	11.842	0.039	0.006	0.014	-0.146	-52.989	-42.452	11.695
A333	0.376				-78.530	-30.184	3.477	0.039	-0.062	0.064	-0.365	-78.591	-30.120	3.112