

Dimensional Report

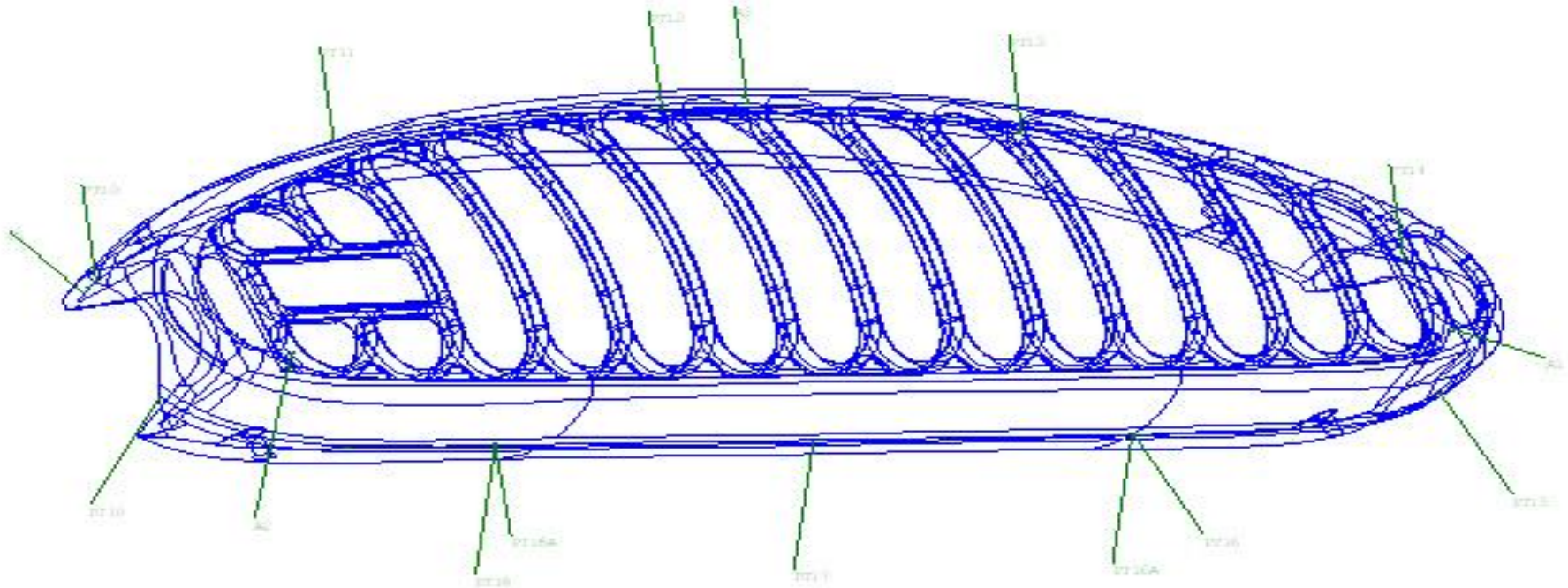
Customer:	YOUR COMPANY	Units:	MM	Job Number:	09-12345
Address:	GUELPH	Environment:	20°C ± 2°C	CAD File:	FILE: NONE
Part Number:	1234567891	Revision:	A	Inspection Date:	04/10/2008
Part Name:	ABCDEFGH	Sample:	Multiple Sample(s)	Issue Date:	4/15/09
Procedure:	1234567891	Cavity:		Programmed By:	AMCB
Specification:	As per customer CAD &/or Drawing.	Lot:		Inspected By:	AMCB

Equipment Used / Traceability: 1808M

This Dimensional Report is issued in accordance with the applicable requirements of ISO/IEC 17025. Measurement results are traceable to the National Research Council (NRC), Canada, the National Institute of Standards and Technology (NIST), or the National Accreditation of Measurement and Sampling (NAMAS).

Measurement Uncertainty: ±(3.0 + 10.1)µm X L

The combined standard uncertainty is expanded using k=2 for a confidence of approximately 95% assuming a normal distribution.



Signature	Title	Date
<i>Your Signature</i>	QA Inspector	4/15/09

Customer: YOUR COMPANY				Units: MM				Job Number: 09-12345			
Address: GUELPH				Environment: 20°C ± 2°C				Uncertainty: ±(3.0 + 10.1)µm X L			
Part Number: 1234567891				Revision: A				Inspection Date: 04/10/2008			
Part Name: ABCDEFG				CMM: 1808M				Issue Date: 4/15/09			
Procedure: 1234567891				Cavity:				Programmed By: AMCB			
Specification: As per customer CAD &/or Drawing.				Lot:				Inspected By: AMCB			

Axis	Nominal	+ Tol	- Tol	Histogram	Mean	Range	Pp	Ppk	PR	Std Dev	Subgroup	Cp	Cpk	CR	Sigma^	Mean Dev	Max Dev	Out By	OK	Reject
------	---------	-------	-------	-----------	------	-------	----	-----	----	---------	----------	----	-----	----	--------	----------	---------	--------	----	--------

Section A-A

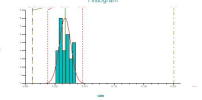
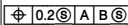
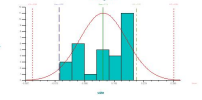
FLATNESS 0.15 OF -A- (ITEM 12)

DIM FLT1 = FLATNESS OF PLANE PLN_A

M					0.057	0.049		2.709		0.011433	5		3.001		0.010318	0.057	0.084			30
---	---	--	--	---	-------	-------	--	-------	--	----------	---	--	-------	--	----------	-------	-------	--	--	----

6.2/6.0 DIA. (ITEM 10) TP 0.2s[A]Bs| (ITEM 4)

DIM LOC13= TRUE POSITION OF CIRCLE MIDC1_GEN

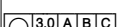
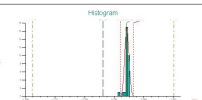
X	0.000				0.025	0.115				0.030372	5				0.031671	0.025	0.082			30
Y	0.000				-0.069	0.114				0.038652	5				0.042562	-0.069	-0.115			30
DF	6.000	0.200	0.000		6.046	0.028	4.107	1.892	24.35%	0.008115	5	3.909	1.801	25.58%	0.008527	0.046	0.061			30
TP					0.114	0.190		0.473		0.060756	5		0.447		0.064202	0.114	0.192			30

PROFILE 3.0 |A|B|C| (ITEM 2)

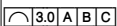
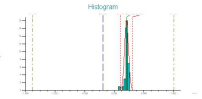
Total Profile (Worst Case)

T					0.535	0.265					5				0.535	0.611				30
---	---	--	--	--	-------	-------	--	--	--	--	---	--	--	--	-------	-------	--	--	--	----


DIM D23= LOCATION OF POINT FRM2

X	4256.928				4256.42	0.249				0.044675	5				0.040556	-0.503	-0.563			30
Y	-583.074				-583.074	0.000					5				0.000	0.000				30
Z	132.965				132.965	0.000					5				0.000	0.000				30
T					0.504	0.249	11.192	7.435	8.93%	0.044675	5	12.329	8.190	8.11%	0.040556	0.504	0.563			30

DIM D24= LOCATION OF POINT FRM3

X	4256.928				4256.43	0.240				0.042325	5				0.038048	-0.497	-0.562			30
Y	-576.591				-576.591	0.000					5				0.000	0.000				30
Z	156.329				156.329	0.000					5				0.000	0.000				30
T					0.497	0.240	11.813	7.900	8.46%	0.042325	5	13.141	8.788	7.61%	0.038048	0.497	0.562			30

The results relate only to the items inspected.
This report shall not be reproduced except in full.

<u>Signature</u> 	<u>Title</u> QA Inspector	<u>Date</u> 4/15/09
---	------------------------------	------------------------

Capability Study Dimensional Report

Part Number: 1234567891				Revision: A							Inspection Date: 04/10/2008									
Part Name: ABCDEFG				Cavity:							Job Number: 09-12345									
Axis	Nominal	+ Tol	- Tol	Histogram	Mean	Range	Pp	Ppk	PR	Std Dev	Subgroup	Cp	Cpk	CR	Sigma^A	Mean Dev	Max Dev	Out By	OK	Reject
DIM D27= LOCATION OF POINT FRM9																				
X	4313.803				4313.80	0.000					5					0.000	0.000			30
Y	-583.521				-583.521	0.000					5					0.000	0.000			30
Z	162.606				162.649	0.070				0.015823	5				0.016910	0.043	0.079			30
T					0.041	0.119	22.768	22.150	4.39%	0.021961	5	24.484	23.820	4.08%	0.020421	0.041	0.079			30
DIM D28= LOCATION OF POINT FRM4																				
X	4331.928				4332.44	0.265				0.057278	5				0.058326	0.512	0.611			30
Y	-554.673				-554.673	0.000					5					0.000	0.000			30
Z	126.743				126.743	0.000					5					0.000	0.000			30
T					0.512	0.265	8.729	5.748	11.46%	0.057278	5	8.572	5.645	11.67%	0.058326	0.512	0.611			30
3.75/3.55 DIM. (ITEM 8)																				
DIM LOC16= LOCATION OF POINT IT59																				
X	-3.750	0.200	0.000		-3.672	0.156	0.672	0.526	148.70%	0.049567	5	0.654	0.512	152.84%	0.050946	0.078	0.159			30
6.6/6.4 DIM. (ITEM 9)																				
DIM LOC20= LOCATION OF POINT IT66																				
X	6.600	0.000	0.200		6.488	0.200	0.505	0.446	197.90%	0.065967	5	0.499	0.440	200.56%	0.066853	-0.112	-0.200			30
7.0/6.7 DIM. (ITEM 7)																				
DIM LOC1= LOCATION OF POINT IT68																				
X	-6.850	0.150	0.150		-6.668	0.179	1.066	-0.225	93.82%	0.046912	5	0.965	-0.204	103.61%	0.051806	0.182	0.250	0.100	7	23
Section B-B																				
14.0/13.8 DIA. (ITEM 1) TP 0.2m A Bs (ITEM 3)																				
DIM LOC3= TRUE POSITION OF CIRCLE IT44																				
Y	0.000				0.005	0.098				0.033362	5				0.033462	0.005	0.065			30
Z	0.000				-0.014	0.026				0.006616	5				0.006162	-0.014	-0.025			30
DF	13.900	0.100	0.100		13.946	0.047	2.990	1.617	33.44%	0.011148	5	3.021	1.633	33.10%	0.011035	0.046	0.075			30

The results relate only to the items inspected.

This report shall not be reproduced except in full.

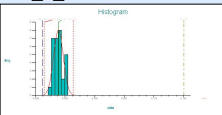
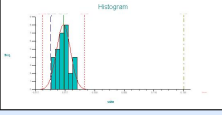
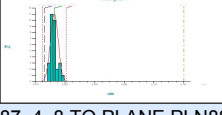
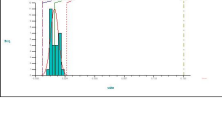
Capability Study Dimensional Report

Part Number: 1234567891				Revision: A							Inspection Date: 04/10/2008									
Part Name: ABCDEFG				Cavity:							Job Number: 09-12345									
Axis	Nominal	+ Tol	- Tol	Histogram	Mean	Range	Pp	Ppk	PR	Std Dev	Subgroup	Cp	Cpk	CR	Sigma^A	Mean Dev	Max Dev	Out By	OK	Reject
TP	$\text{⌀} 0.2 \text{ (M) A B (S)}$				0.066	0.107		1.457		0.030635	5		1.400		0.031886	0.066	0.133			30
23.05/22.85 DIA. (ITEM 5) TP 0.2m A Bs (ITEM 6)																				
DIM LOC4= TRUE POSITION OF CIRCLE IT85																				
Y	0.000				0.036	0.101				0.032153	5				0.033534	0.036	0.082			30
Z	0.000				0.006	0.074				0.020628	5				0.021783	0.006	0.044			30
DF	22.950	0.100	0.100		22.920	0.186	0.608	0.428	164.42%	0.054805	5	0.596	0.419	167.67%	0.055890	-0.030	-0.099			30
TP	$\text{⌀} 0.2 \text{ (M) A B (S)}$				0.091	0.156		0.703		0.051488	5		0.720		0.050301	0.091	0.165			30
30° ANGLE (ITEM 11)																				
DIM ANG4 = 2D ANGLE FROM LINE IT54_LN TO ZAXIS																				
A	30.000	1.000	1.000		30.791	0.478	2.801	0.586	35.70%	0.119011	5	2.636	0.552	37.94%	0.126469	0.791	0.978			30
15.50/15.30 DIM. (ITEM 14) 4 PLACES																				
DIM DIS19 = 2D DISTANCE FROM LINE LN87_2 TO LINE LN87_6 PARALLEL TO ZAXIS, NO_RADIUS																				
M	15.400	0.100	0.100		15.348	0.088	1.206	0.582	82.89%	0.027631	5	1.193	0.575	83.83%	0.027945	-0.052	-0.095			30
DIM DIS16 = 2D DISTANCE FROM LINE LN87_5 TO LINE LN87_1 PARALLEL TO ZAXIS, NO_RADIUS																				
M	15.400	0.100	0.100		15.344	0.072	1.343	0.594	74.44%	0.024813	5	1.199	0.530	83.40%	0.027802	-0.056	-0.085			30
DIM DIS17 = 2D DISTANCE FROM LINE LN87_3 TO LINE LN87_7 PARALLEL TO YAXIS, NO_RADIUS																				
M	15.400	0.100	0.100		15.346	0.096	0.969	0.443	103.22%	0.034406	5	1.020	0.466	98.02%	0.032674	-0.054	-0.100			30
DIM DIS18 = 2D DISTANCE FROM LINE LN87_4 TO LINE LN87_8 PARALLEL TO YAXIS, NO_RADIUS																				
M	15.400	0.100	0.100		15.343	0.099	1.145	0.495	87.34%	0.029113	5	1.151	0.498	86.84%	0.028948	-0.057	-0.100			30

The results relate only to the items inspected.

This report shall not be reproduced except in full.

Capability Study Dimensional Report

Part Number: 1234567891				Revision: A							Inspection Date: 04/10/2008									
Part Name: ABCDEFG				Cavity:							Job Number: 09-12345									
Axis	Nominal	+ Tol	- Tol	Histogram	Mean	Range	Pp	Ppk	PR	Std Dev	Subgroup	Cp	Cpk	CR	Sigma^A	Mean Dev	Max Dev	Out By	OK	Reject
ANGULARITY 0.15[C] (ITEM 15) 4 PLACES																				
DIM AGL13 = ANGULARITY FROM LINE LN87_5_1 TO PLANE PLN88_1 EXTENDLENGTH=0.00																				
M	∠ 0.15 C				0.017	0.021		8.663		0.005122	5		8.256		0.005374	0.017	0.027			30
DIM AGL5 = ANGULARITY FROM LINE LN87_3_7 TO PLANE PLN88_1 EXTENDLENGTH=0.00																				
M	∠ 0.15 C				0.015	0.029		5.745		0.007846	5		4.954		0.009100	0.015	0.030			30
DIM AGL2 = ANGULARITY FROM LINE LN87_2_6 TO PLANE PLN88_2 EXTENDLENGTH=0.00																				
M	∠ 0.15 C				0.010	0.018		10.989		0.004232	5		10.641		0.004371	0.010	0.021			30
DIM AGL4 = ANGULARITY FROM LINE LN87_4_8 TO PLANE PLN88_2 EXTENDLENGTH=0.00																				
M	∠ 0.15 C				0.013	0.019		10.784		0.004244	5		10.471		0.004371	0.013	0.023			30

The results relate only to the items inspected.

This report shall not be reproduced except in full.