



Inspection Engineering

Dimensional Inspection Services
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DATE PRINTED: 07-11-2001 Page 1 of 1

1234567/178523/Block/In Process/Inspection Engineering/Rev. A Date: 01-06-2001/07/11/2001

ROW DETAIL

BAL# / DESC	NOMINAL	Sample 1	Sample 2	Sample 3
FEATURE	TOLERANCE +/-	MEASURED	MEASURED	MEASURED
		OUT TOL	OUT TOL	OUT TOL
1	1.150	1.1473	1.4550	1.4519
Distance	+/- 0.2500		0.0550	0.0519
***	CMM Length of part			*
2 A	0	0.0037	-0.0040	0.0126
		0.0037	-0.0040	0.0126
***	CMM X-Basic			
2 B	0	-0.0473	-0.0399	0.0193
		-0.0473	-0.0399	0.0193
***	CMM Y-Basic			
2 C		0.0949	0.0802	0.0461
BONUS POINTS ADDED TO TOL.		0.1067	0.1055	0.1010
TOTAL TOLERANCE AVAILABLE		0.1567	0.1555	0.1510
***	Position of c'bore			
2 D	.7500	0.7567	0.7555	0.7510
	+/- 0.1000			
***	CMM Diameter of c'bore			
3 A	1.5	1.5000	1.5000	1.5000
Radius	+/- 0.5000			
***	RADIUS GAGE			
4	4.560	4.5510	4.5490	4.5560
Distance	+/- 0.2500			
***	CALIPERS			
5	.500	0.5726	0.5755	0.5701
Distance	+/- 0.2500			
***	OPTICAL COMP. Chamfer distance			
6	45	45.6710	45.5730	45.4730
Degrees	+/- 0.5000	0.1710	0.0730	
***	OPTICAL COMP. Chamfer angle			*
7	/OPTICAL COMP./Part to be clean of burrs.			
		CONFORMS	CONFORMS	CONFORMS
TOTAL # OF FEATURES	10			
LESS BASIC DIMENSIONS	2			
LESS EMPTY NOTES		0	0	0
LESS N/A DIMENSIONS		0	0	0
REPORTED DIMENSIONS		8	8	8
# DIMENSIONS IN TOLERANCE		7	6	7
# DIMENSIONS OUT OF TOLERANCE		1	2	1
% DIMENSIONS IN TOLERANCE		87.50%	75.00%	87.50%
% DIMENSIONS OUT OF TOLERANCE		12.50%	25.00%	12.50%
CUMULATIVE DIMENSIONS	24			
CUMULATIVE % (PIST) IN TOLERANCE	83.33%			