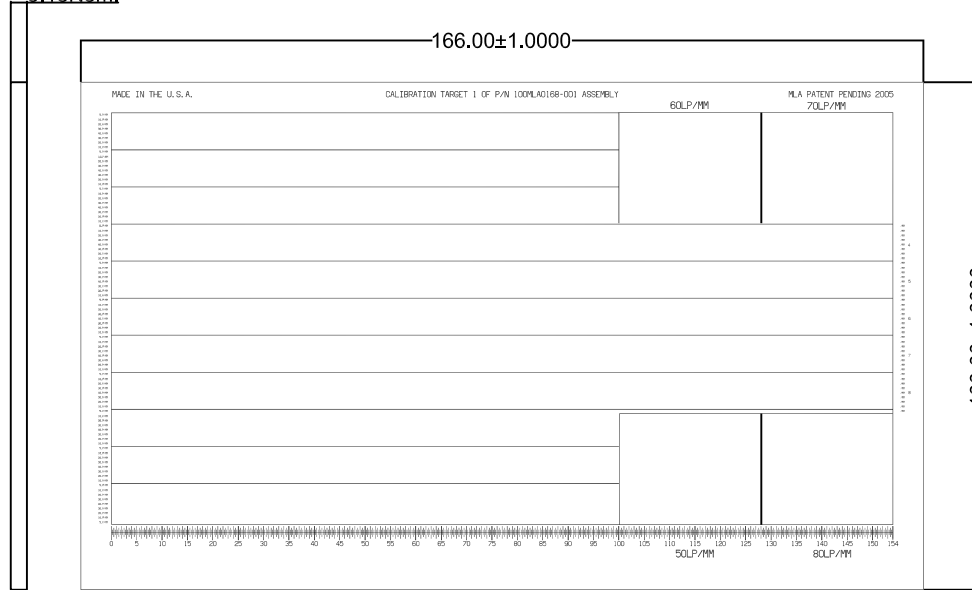


DATE	SYM	REVISION RECORD	AUTH	DR	CK
8/07	A	CORRECTED OPAL GLASS THICKNESS	DSM	DM	DS

3.18Nom.



**TARGET 1 PATTERN**

**NOTES**

1. SUBSTRATE: NOMINAL 1/8" (3.2mm) THICK OPAL GLASS FLATNESS .004"
2. COATING:  
LOW REFLECTION CHROME OD>3.0  
REFLECTIVITY < 5% AT 550nm  
PATTERN IS ON THE FIRST SURFACE  
RIGHT READING LOOKING AT
3. PATTERN:  
OVERALL ACCURACY +.004mm/-.001mm (LINEAR SCALE)  
LINE TO SPACE RATIO ±5% (RONCHI RULINGS)
4. SURFACE QUALITY:  
SCRATCH/DIG EQUAL TO 40:20
5. CERTIFICATE OF ACCURACY PROVIDED  
EACH PART INDIVIDUALLY SERIALIZED AND CERTIFIED TRACEABLE TO NIST
6. PACKAGING:  
TARGET KIT INCLUDES CUSTOM CARRYING CASE TO HOLD GLASS TARGETS AND TARGET BASE
7. BEVEL: REMOVE SHARP EDGES

**FEATURES**

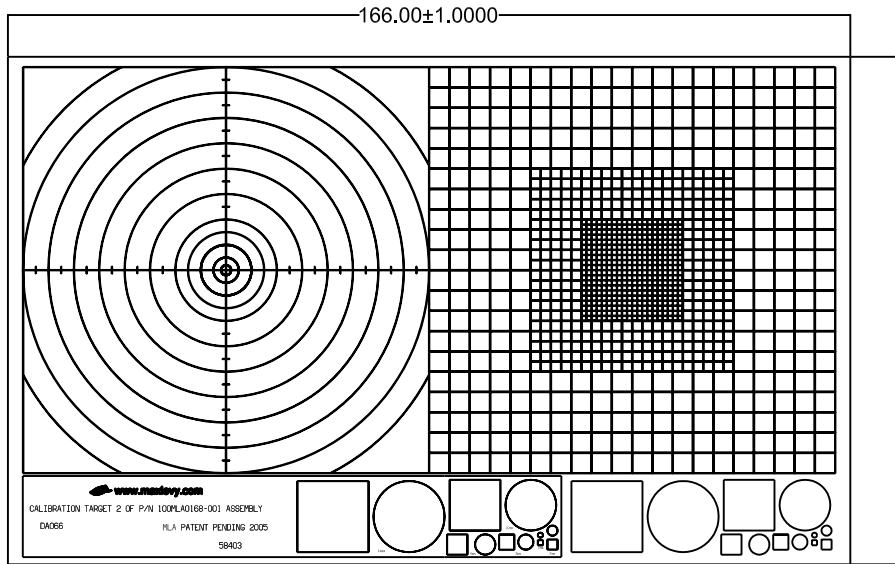
- 11 Groups of Variable Ronchi Rulings, each containing 5,10,20,30,40,30,20,10,5 LP/MM
- Overall ruling width of the pattern is 81.2 mm
- Fixed Frequency Ronchi Rulings
  - 50 lp/mm
  - 60 lp/mm
  - 70 lp/mm
  - 80 lp/mm
- Linear Scale, 154mm in length
  - Line width .080mm
  - End to end accuracy +.004mm/-.001mm
  - Line to line accuracy ±.0003mm

NEXT ASSEMBLY 100MLA0168-001

TOLERANCES (EXCEPT AS NOTED)		<b>MAX LEVY AUTOGRAPH</b>			
DECIMAL .XXX= ±.005 .XX= ±.015 .X= ±.030	MATERIALS  CHROME ON OPAL GLASS	SCALE  NONE	DRAWN BY DSM		
FRACTIONAL  ±.030	TITLE <b>DA068 .08X-4X MULTIFUNCTION TARGET 1</b>				
ANGULAR  ±0.5°	DATE 1/10/06	DRAWING NUMBER <b>300MLA0139-003</b>			

DATE	SYM	REVISION RECORD	AUTH	DR	CK
8/07	A	CORRECTED OPAL GLASS THICKNESS	DSM	DM	DS

3.18Nom.



**NOTES**

- SUBSTRATE: NOMINAL 1/8" (3.2mm) THICK OPAL GLASS FLATNESS .004"
- COATING:  
LOW REFLECTION CHROME OD>3.0  
REFLECTIVITY < 5% AT 550nm  
PATTERN IS ON THE FIRST SURFACE  
RIGHT READING LOOKING AT
- PATTERN:  
OVERALL ACCURACY +.004mm/-0.001mm (LINEAR SCALE)  
LINE TO SPACE RATIO ±5% (RONCHI RULINGS)
- SURFACE QUALITY:  
SCRATCH/DIG EQUAL TO 40:20
- CERTIFICATE OF ACCURACY PROVIDED  
EACH PART INDIVIDUALLY SERIALIZED AND CERTIFIED TRACEABLE TO NIST
- PACKAGING:  
TARGET KIT INCLUDES CUSTOM CARRYING CASE TO HOLD GLASS TARGETS AND TARGET BASE
- BEVEL: REMOVE SHARP EDGES

**TARGET 2 PATTERN**

**FEATURES**

- Concentric Circles  
Diameters 2,5,10,15,20,30,40,50,60,70,80 and partial 90 mm  
Tick marks along axes at 2,5,10,15,20,25,30,35,40,45,50,55,60,65,70,75,80 mm  
Line width is .100mm for all circles and lines
- Square Grid  
20mm Square Grid, 1mm Increments  
40mm Square Grid, 2mm Increments  
80mm Square Grid, 4mm Increments  
All lines have width .100mm
- Calibration Features/ Blooming/ Lighting Setup  
Positive and Negative Circles and Squares with the following diameters and sides:  
1,2,3,4,10, and 14mm

NEXT ASSEMBLY 100MLA0168-001

TOLERANCES (EXCEPT AS NOTED)		<b>MAX LEVY AUTOGRAPH</b>			
DECIMAL .XXX= ±.005 .XX= ±.015 .X= ±.030	MATERIALS <b>CHROME ON SODA LIME GLASS</b>	SCALE NONE	DRAWN BY <b>DSM</b>		
FRACTIONAL ±.030	TITLE <b>DA068 .08X-4X MULTIFUNCTION TARGET 2</b>				
ANGULAR ±0.5°	DATE 1/10/06	DRAWING NUMBER <b>300MLA0139-004</b>			