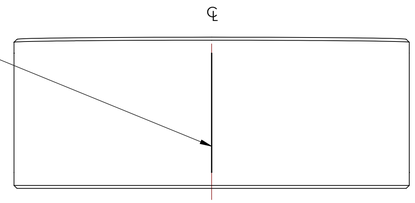
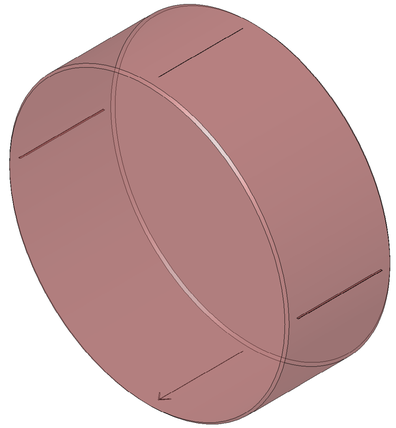
REV.	DATE	DCN #	DRAWING TREE #
v1	11th Nov 2008	E080530-v1	
v2	Feb - 20 - 2009	LIGO-E0900046-v1	
v3	28 MAY 2010	E1000188	

ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
180° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.



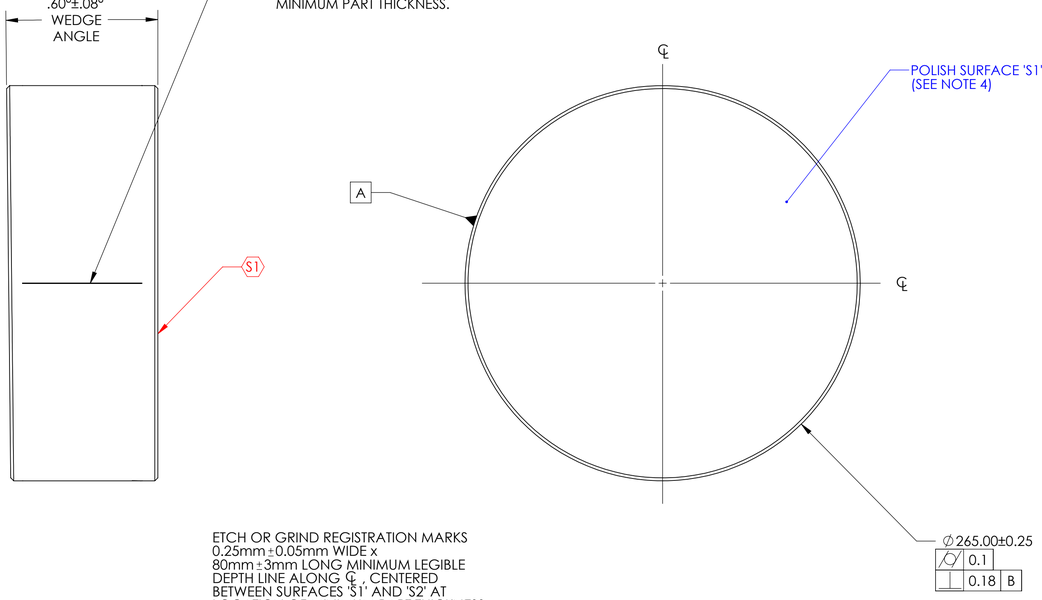
TOP VIEW



ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

.60°±.08°
WEDGE
ANGLE

S1



101.4±0.5

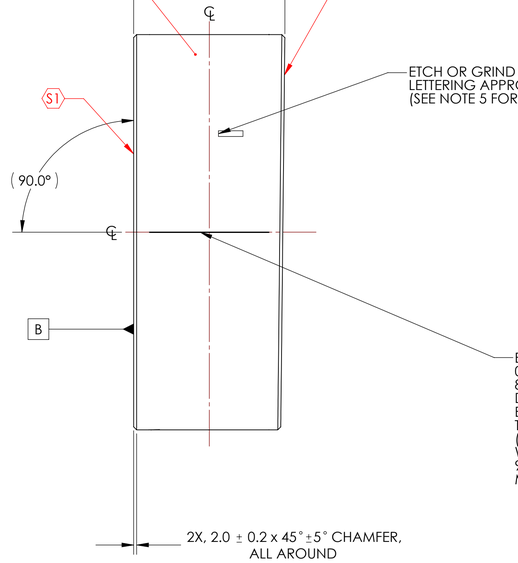
S3

S2 POLISH SURFACE 'S2'
(SEE NOTE 4).

S1

ETCH OR GRIND SERIAL NUMBER, APPROX. WHERE SHOWN,
LETTERING APPROX. 4mm HIGH
(SEE NOTE 5 FOR FURTHER DETAILS)

(90.0°)

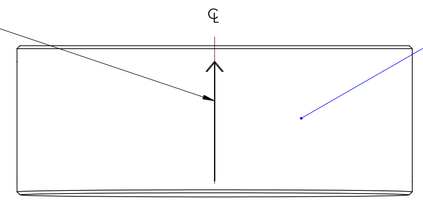


ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

2X, 2.0 ± 0.2 x 45°±5° CHAMFER,
ALL AROUND

ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2' AT
LOCATION OF MINIMUM PART THICKNESS
WITHIN ± 1° CLOCKING ANGLE
(WITH RESPECT TO DATUM FEATURE -A-),
AND PARALLEL TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm, WITH ARROW POINTING
TO SURFACE 'S1'.

BARREL SIDE AND BEVEL POLISH
(SEE NOTE 3).



BOTTOM VIEW

MANUFACTURING NOTES:

1. DO NOT SCALE FROM DRAWING.
2. INTERPRET DRAWING AS PER ANSI Y14.5M 1994.
3. BARREL SIDE AND BEVEL POLISH PER E080517.
4. FINISH SURFACES 'S1' AND 'S2' AS PER E080517.
5. REFER TO E080517 FOR MORE INFORMATION ON SERIAL NUMBER.
6. APPLY COATING PER E0900071.

PARTS LIST

	NAME	DATE
DRAWN	C. TORRE	4 /Nov/08
CHECKED	D. COYNE	10 /Nov/08
CHECKED	E. GUSTAFSON	18 /Nov/08
APPROVED	D. COYNE	4 /Dec/08

NOTES: (UNLESS OTHERWISE SPECIFIED)
DIMENSIONS ARE IN MILLIMETERS (mm)
TOLERANCES:
.X ±0.1
.XX ±0.05
ANGULAR ± 0.1 °

MATERIAL REF E080041-v1

FINISH SEE NOTES

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO

SUB-SYSTEM COC

NEXT ASSY F-PR3

PART NAME F-PR3 SUBSTRATE

SIZE D **DWG. NO.** D080663 **REV.** v3

SCALE: 1:2 **PROJECTION:** SHEET 1 OF 1