

CHECKED BY         DATE           M         SAMIR SHREIM         5/21/2009           C         SAMIR SHREIM         SAMIR SHREIM           SAMIR SHREIM	1	2	1	1	
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CINERWISE SPECIFIED CONTROL BRIGHTON BEST 592060 CONTROL SUBJECT STATE CONTROL SUBJECT S		SAMIR SHRE	IM 5/	21/2009	-
C BER DESCRIPTION QTY. OU CROSS ARM ASSEMBLY 00 LEADSCREW ASSEMBLY 1 00 LEADSCREW ASSEMBLY 1 00 SPRING PLUNGER ASSEMBLY 1 00 SPRING PLUNGER ASSEMBLY 1 00 SPRING PLUNGER ASSEMBLY 1 00 SPRING PLUNGER ASSEMBLY 1 01 BASEPLATE 1 01	M				
BER       DESCRIPTION       QTY.         00       CROSS ARM ASSEMBLY       1         00       LEADSCREW ASSEMBLY       1         00       SPRING PLUNGER ASSEMBLY       1         01       BASEPLATE       1         02       GLASS BOTTOM CULTURE       1         03       I-64 X 0.725 SHCS,       4         04       10-32 X 3/4 LOW PROFILE       1         05014       SHCS, MCMASTER CARR       1         05015 AREINEXCHED       SHEAR GRADIENT       A         04       10-32 X 3/4 LOW PROFILE       1         05015 AREINEXCHED       SHEAR GRADIENT       A         04       SUBSTON       SHEAR GRADIENT       A         05016 REVIEWES       SUE       DEVICE       B         0400000000000000000000000000000000000		500			D
BER       DESCRIPTION       QTY.         00       CROSS ARM ASSEMBLY       1         00       LEADSCREW ASSEMBLY       1         00       SPRING PLUNGER ASSEMBLY       1         01       BASEPLATE       1         02       GLASS BOTTOM CULTURE       1         01       1-64 X 0.725 SHCS,       4         010-32 X 3/4 LOW PROFILE       1       1         03615A385       1       1         04       SHCS, MCMASTER CARR       1         050NS ARE IN INCHES       ITTLE:       SHEAR GRADIENT         NARCES:       DIST       DEVICE       B         00FOROPERTY OF THE       1       07-000-000					С
00       CROSS ARM ASSEMBLY       1         00       LEADSCREW ASSEMBLY       1         00       SPRING PLUNGER ASSEMBLY       1         01       BASEPLATE       1         02       IASS BOTTOM CULTURE       1         01       1-64 X 0.725 SHCS,       4         10-32 X 3/4 LOW PROFILE       4         SOTHERWISE SPECIFIED       TITLE:         SOTHERWISE SPECIFIED       TITLE:         SOTHERWISE SPECIFIED       SHEAR GRADIENT         NONS ARE IN INCHES       DEVICE         SIZE       DWG. NO.         DEVICE       B         107-000-0000       B         SCALE: 1.5:       WEIGHT: <td></td> <td></td> <td></td> <td></td> <td>&lt;</td>					<
00       LEADSCREW ASSEMBLY       1       B         00       SPRING PLUNGER ASSEMBLY       1         01       BASEPLATE       1         01       BASEPLATE       1         MATTEK P35G-1.5-20-C GLASS BOTTOM CULTURE       1         DISH       1-64 X 0.725 SHCS, BRIGHTON BEST 592060       4         10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         00 OTHERWISE SPECIFIED NORMARE IN INCHES WACES:       TITLE:         SOTHERWISE SPECIFIED NICKAL ± 0.01 PLACE DECIMAL ±0.005       TITLE:         SHEAR GRADIENT DEVICE       SHEAR GRADIENT DEVICE       A         A       SIZE DWG. NO. B       TO7-000-000       B         SCALE: 1.5:       WEIGHT:       SHEET 1 OF 1					-
00       SPRING PLUNGER ASSEMBLY       1         01       BASEPLATE       1         01       BASEPLATE       1         01       MATTEK P35G-1.5-20-C GLASS BOTTOM CULTURE       1         01       1-64 X 0.725 SHCS, BRIGHTON BEST 592060       4         10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         01       10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR       1         02       107-000       B       1         01       107-0000-0000       B       1         01       107-0000-0000       B       1         01       107-0000-0000       B       1         01       107-0000-0000       B       1         02       107-0000-0000       B <td></td> <td></td> <td></td> <td></td> <td></td>					
01       BASEPLATE       1         MATTEK P35G-1.5-20-C       GLASS BOTTOM CULTURE       1         DISH       1       1         1-64 X 0.725 SHCS,       4         10-32 X 3/4 LOW PROFILE       4         10-32 X 3/4 LOW PROFILE       1         SHCS, MCMASTER CARR       1         93615A385       1         SOTHERWISE SPECIFIED       TITLE:         SIONS ARE IN INCHES       SHCS, MCMASTER CARR       1         VACES:       DISH       1         IONAL 1/32       JLAR: MACH 2 0.5 DEG       TITLE:       SHEAR GRADIENT         L       SIZE       DWG. NO.       REV         DOULCTION IN PART OR AS AS       SIZE       DWG. NO.       REV         B       107-0000-0000       B       SCALE: 1.5:1 WEIGHT:       SHEET 1 OF 1	00	SPRING PLI	INGER ASSEM	ABLY 1	. В
MATTEK P35G-1.5-20-C       1         GLASS BOTTOM CULTURE       1         DISH       1-64 X 0.725 SHCS,         BRIGHTON BEST 592060       4         10-32 X 3/4 LOW PROFILE       4         10-32 X 3/4 LOW PROFILE       1         SHCS, MCMASTER CARR       1         93615A385       1         TITLE:       SHEAR GRADIENT         NSIONS ARE IN INCHES       TITLE:         SOTHERWISE SPECIFIED       TITLE:         SIONS ARE IN INCHES       TITLE:         SHEAR GRADIENT       A         DEVICE       SHEAR GRADIENT         L       SIZE       DWG. NO.         OLE PROPERTY OF THE       TO7-0000-000       B         SIZE INFORMED       SCALE: 1.5:1WEIGHT:       SHEET 1 OF 1	01				
1-64 X 0.725 SHCS, BRIGHTON BEST 592060       4         10-32 X 3/4 LOW PROFILE SHCS, MCMASTER CARR 93615A385       1         0 OTHERWISE SPECIFIED NSIONS ARE IN INCHES RANCES: TIONAL±1/32 JLAR: MACH± 0.5 DEG PLACE DECIMAL ±0.005       TITLE: SHEAR GRADIENT DEVICE       A         L OLE PROPERTY OF THE RODUCTION IN PART OR AS A SLAB IS PROHIBITED.       SIZE B       DWG. NO. 107-0000-0000 B       REV B       A	<u></u>	MATTEK	P35G-1.5-20- DTTOM CULTU		
SHCS, MCMASTER CARR 1 93615A385 1 OTHERWISE SPECIFIED SIONS ARE IN INCHES RANCES: TIONAL±1/32 JLAR: MACH±0.50EG PLACE DECIMAL ±0.005 L OLE PROPERTY OF THE RODUCTION IN PART OR AS A SLAB IS PROHIBITED. SIZE DWG. NO. B SCALE: 1.5:1WEIGHT: SHEET 1 OF 1			0.725 SHCS,	60 4	
A A A A A A A A A A A A A A A A A A A		SHCS, MO	CMASTER CA		
B 107-000-000 B Scab is prohibited. Scale: 1.5: 1 Weight: Sheet 1 of 1	NSIONS ARE RANCES: TIONAL±1/3 JLAR: MACI PLACE DEC	SHI S2 H± 0.5 DEG IMAL ±0.01 CIMAL ±0.005	DEVI	CE	A
SCALE: 1.5:1WEIGHT: SHEET 1 OF 1	OLE PROPER	RTY OF THE IN PART OR AS A			
		SCALE:	1.5:1 WEIGHT:		



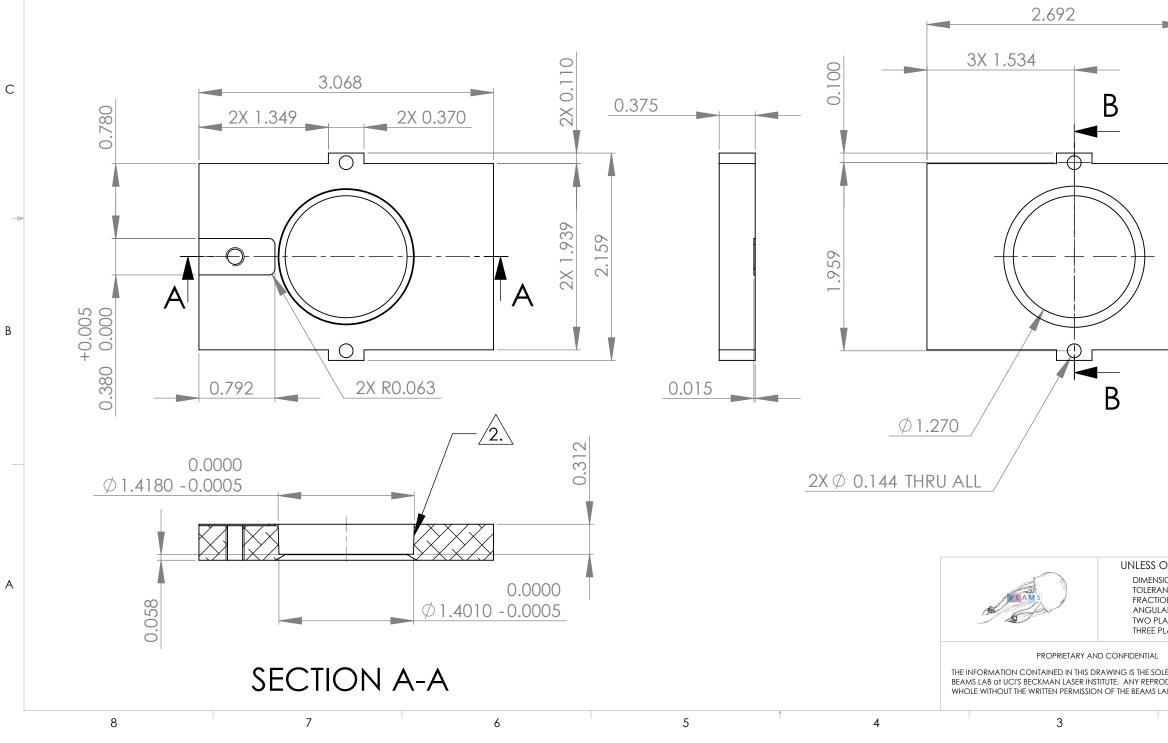
1. MATERIAL: 6061 ALUMINUM

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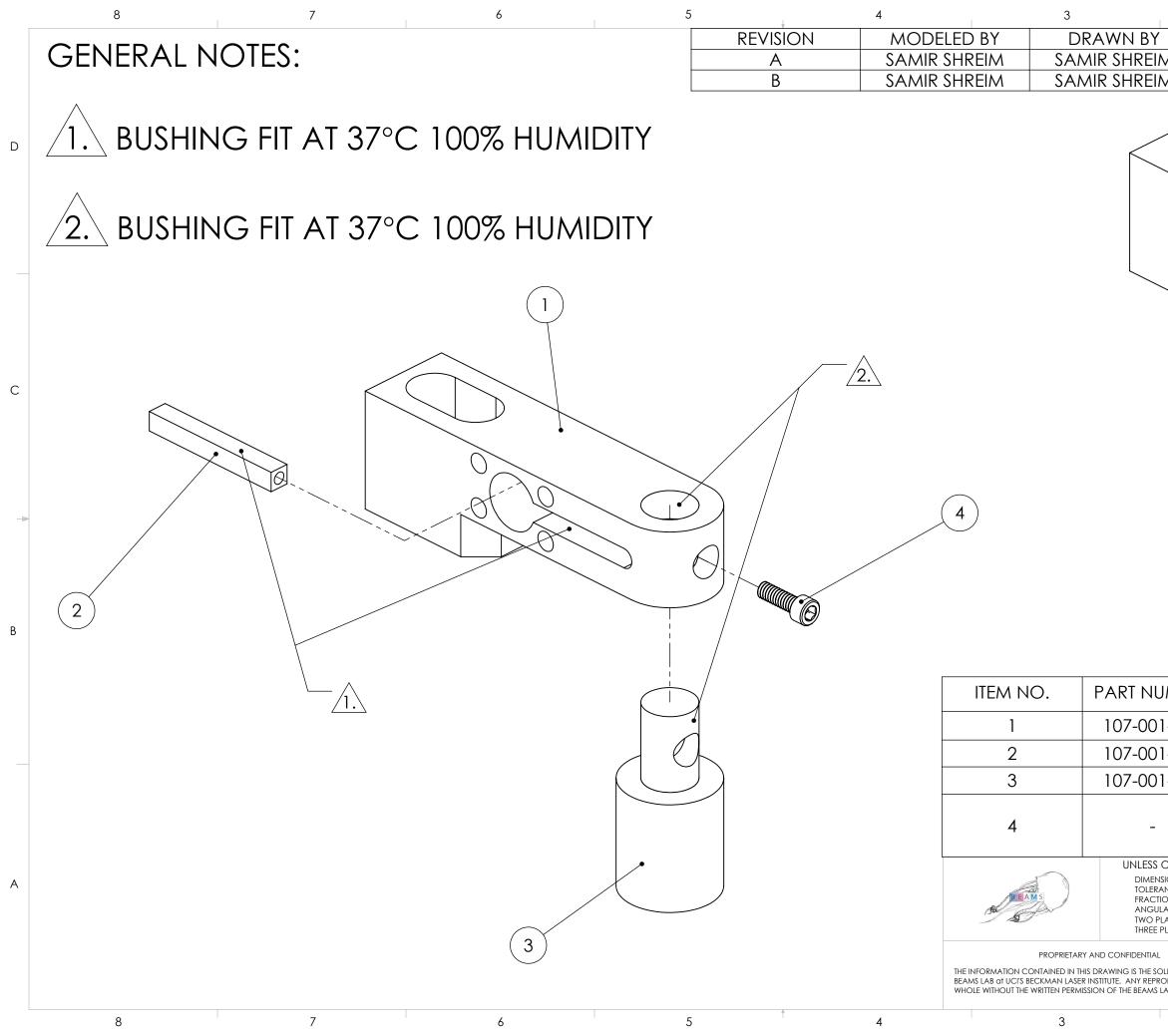
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FRICTION FIT WITH MATTEK P35G-1.5-20-C (35 mm GLASS BOTTOM CULI DISH SHALL NOT ROTATE UNDER FULL RANGE OF ROTATOR SHAFT ACTU



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	3X 0.970	°O <sub>o</sub>			-
-\$		<u> </u>			В
		SEC	CTION	B-B	
ISIONS ARE ANCES: [IONAL <u>+</u> 1/3  LAR: MAC  PLACE DEC	VISE SPECIFIED E IN INCHES 32 H± 0.5 DEG IMAL ±0.01 CIMAL ±0.005	TITLE: BAS	SEPLA	ſE	A
L OLE PROPER RODUCTION LAB IS PROI	I IN PART OR AS A		IO. <b>-000-00</b> EIGHT:	SHEET 1 OF 1	
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1-001		CROSS A	RM		1	
1-002	2		RM		1	
1-003	3 5	otator s	HAFT		1	
	STAI	-80 X 3/16 NLESS, MC RR P/N: 921	MASTER		]	
ISIONS ARE ANCES: TONAL <u>+</u> 1/3 LAR: MACI PLACE DEC	VISE SPECIFIED IN INCHES 32 H± 0.5 DEG IMAL ±0.01 CIMAL ±0.005	A	coss a Ssemb			A
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	2	SCALE: 3:1 W	/EIGHT:	SHEET	i OF 1	



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	REVISION	MODELED BY	DRAWN BY
	A	SAMIR SHREIM	SAMIR SHREIN
	В	SAMIR SHREIM	SAMIR SHREIN

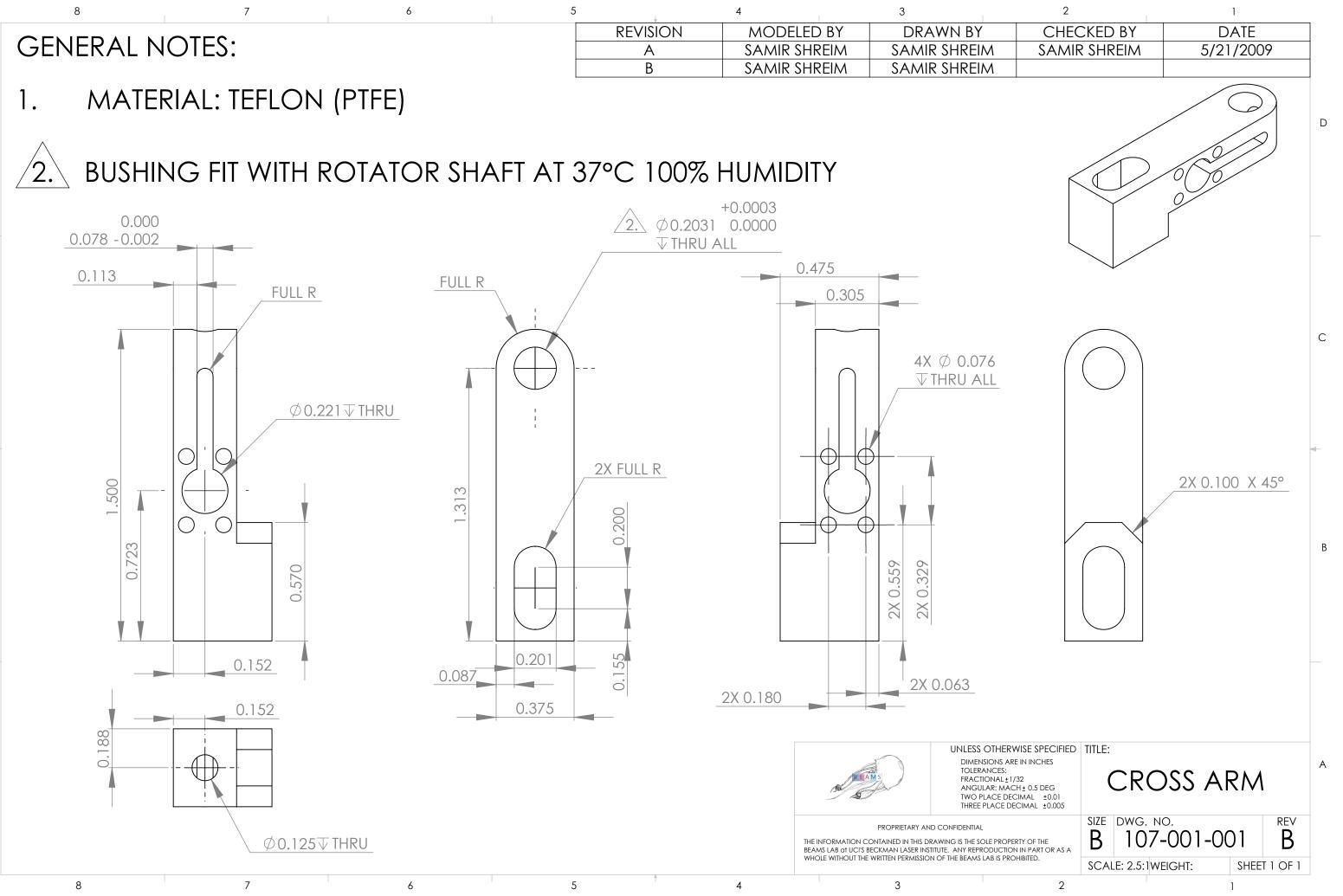
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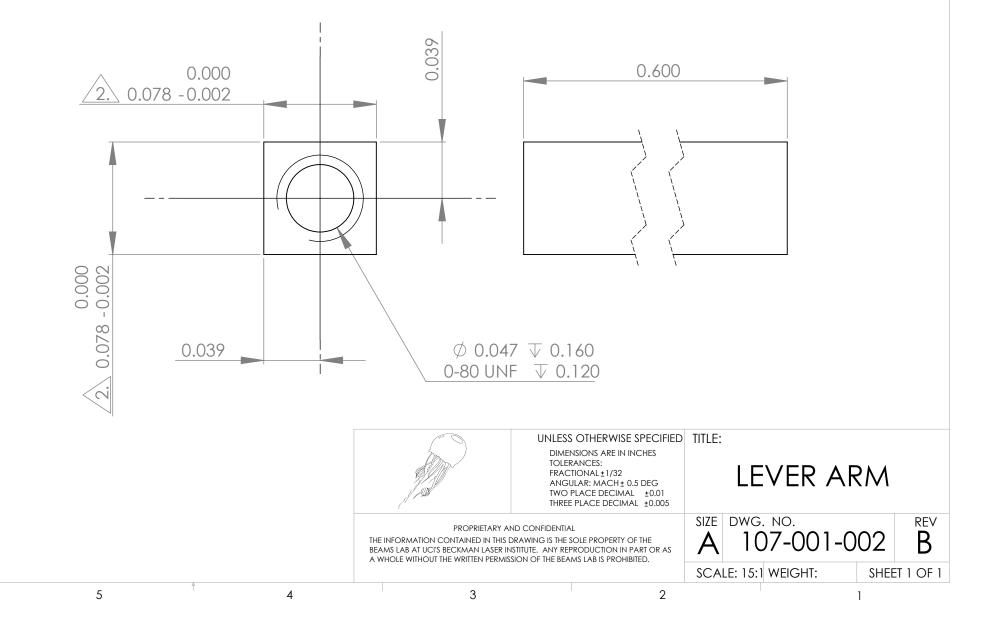
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1. MATERIAL: 303 STAINLESS STEEL

REV	MODEL BY	DRAWN BY	CHECKED BY	DATE
Α	SAMIR SHREIM	SAMIR SHREIM	SAMIR SHREIM	5/21/2009
В	SAMIR SHREIM	SAMIR SHREIM		
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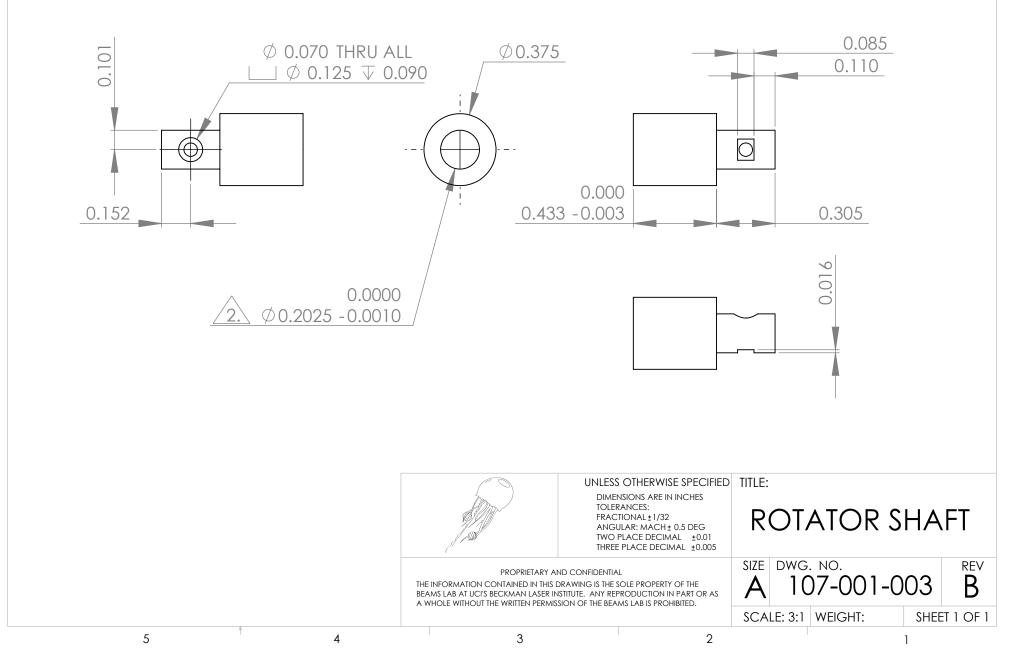
2. BUSHING FIT WITH CROSS ARM AT 37°C 100% HUMIDITY



1. MATERIAL: IMPLANT GRADE UHMWPE

REV	MODEL BY	DRAWN BY	CHECKED BY	DATE
А	SAMIR SHREIM	SAMIR SHREIM	SAMIR SHREIM	5/21/2009
В	SAMIR SHREIM	SAMIR SHREIM		

2. BUSHING FIT WITH CROSS ARM AT 37°C 100% HUMIDITY



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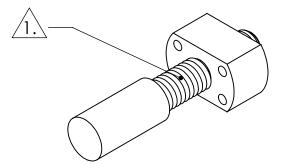
REV	MODEL BY	DRAWN BY	CHECKED BY	DATE
А	SAMIR SHREIM	SAMIR SHREIM	SAMIR SHREIM	5/21/2009
В	SAMIR SHREIM	SAMIR SHREIM	SAMIR SHREIM	3/24/2010
С	SAMIR SHREIM	SAMIR SHREIM		

CORNING 360 MEDICAL FLUID 1000 CST (POLYDIMETHYLSILOXANE) 2 0  $\mathcal{O}$ 0 1

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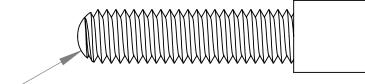
LUBRICATE THREADS WITH DOW



11	ITEM NO. PART NUMBER				DESCRIPTION			QTY.	
	1 107-002-001			LEA	DSCF	REW		1	
	2	107-002-002 LEADSC		\DSC	REW	BLOCK		1	
	UNLESS OTHER DIMENSIONS AR TOLERANCES: FRACTIONAL ±1, ANGULAR: MAC TWO PLACE DE THREE PLACE DE			RE IN INCHES 1/32 .CH± 0.5 DEG	TITLE:	LE	ADSC ASSEM		V
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROF BEAMS LAB AT UCI'S BECKMAN LASER INSTITUTE. ANY REPRODUCTI A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE BEAMS LAB IS I			ON IN PART OR AS	SIZE A		)7-002-(		REV
		2	SCA	LE: 3:1	WEIGHT:	SHEE	T 1 OF 1		

	REV	MODEL BY	DRAWN BY	CHECKED BY	DATE
	А	SAMIR SHREIM	SAMIR SHREIM		
RKS					

1. MATERIAL: MORTON MACHINE WORKS P/N 4360 (303 STAINLESS STEEL)

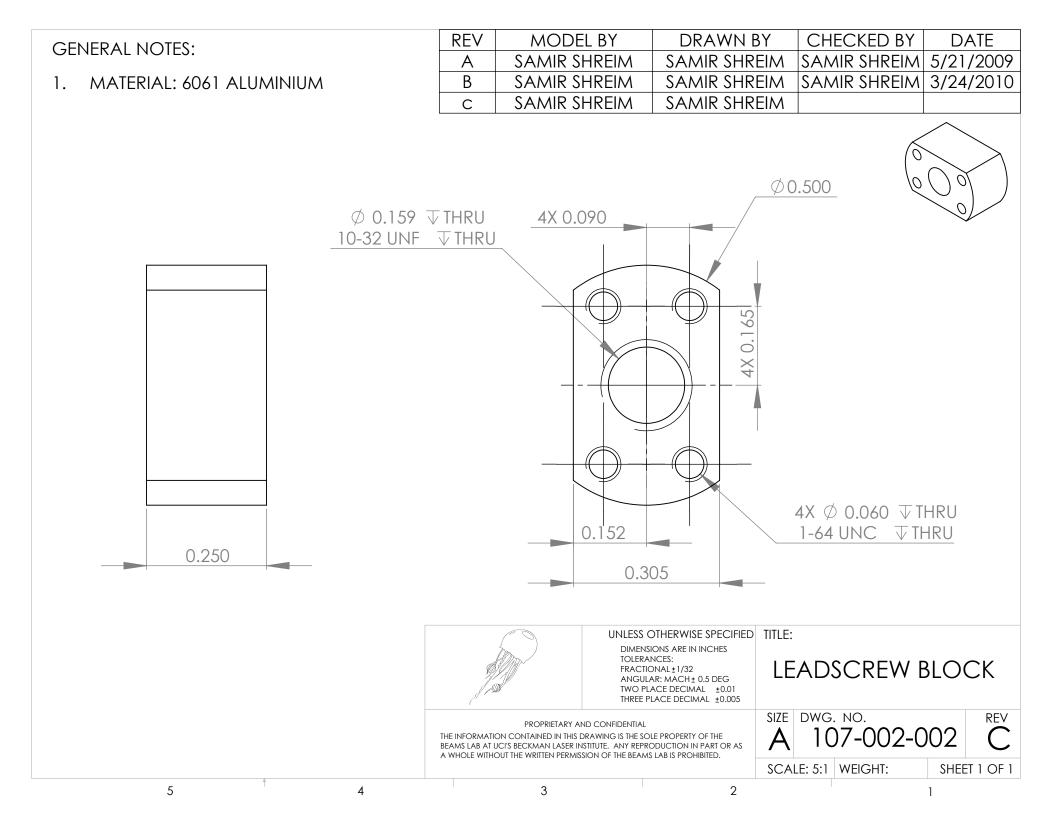


FULL R

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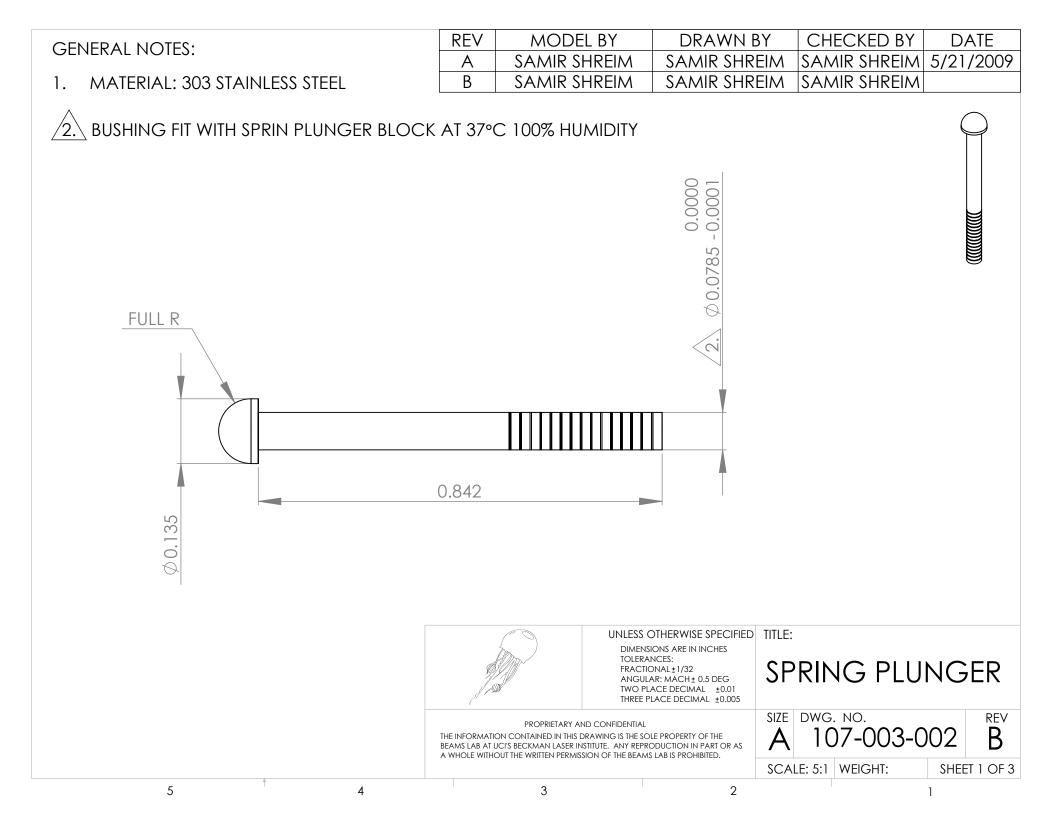
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	UNLESS OTHERWISE SPE DIMENSIONS ARE IN INCHI TOLERANCES: FRACTIONAL±1/32 ANGULAR: MACH±0.5 DE TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	G 0.01		ADSCF	REW	1
THE INFORMATION CONTAINED IN THIS BEAMS LAB AT UCI'S BECKMAN LASER II	ND CONFIDENTIAL DRAWING IS THE SOLE PROPERTY OF THI STITUTE. ANY REPRODUCTION IN PART SIGON OF THE BEAMS LAB IS PROHIBITED.			. <sup>NO.</sup> )7-002-(	201	REV A
		SCA	LE: 3:1	WEIGHT:	SHE	et 1 of 1
3		2			1	



GENERAL NOTES:	REV	MODEL BY	DRAWN	1 BY	CHECKED BY	DATE
GENERAL NOTES.	Α	SAMIR SHREIM	A SAMIR SH	IREIM	SAMIR SHREIM	5/21/2009
1. BUSHING FIT AT 37°C 100% HUMIDITY	В	SAMIR SHREIM	1 SAMIR SH	IREIM		
·	ITEM N	O. PART	NUMBER	DE	escription	QTY.
	1	107-	003-001	SPRI	NG PLUNGER BLOCK	1
	2	107-	003-002	SPRI	NG PLUNGER	1
	3		-	SPRII SPRIN	NG, CENTURY NG CORP. P/N 70100S	1
	j.,		LESS OTHERWISE SPECIFI DIMENSIONS ARE IN INCHES OLERANCES: RACTIONAL ± 1/32 NGULAR: MACH ± 0.5 DEG WO PLACE DECIMAL ±0.01 HREE PLACE DECIMAL ±0.005	SF	PRING PLL ASSEMI	
	BEAMS LAB AT U	PROPRIETARY AND CONFID N CONTAINED IN THIS DRAWING IS I'S BECKMAN LASER INSTITUTE. AN UT THE WRITTEN PERMISSION OF THI	THE SOLE PROPERTY OF THE Y REPRODUCTION IN PART OR AS	Δ	DWG. NO. 107-003-0	000 B
<u>+</u>					E: 2.5:1WEIGHT:	SHEET 1 OF 1
5 4	I	3	2		1	1

A       SAMIR SHREIM       SAMIR SHR	GENERAL NOTES:	REV	MODEL BY	DRAWN BY	CHECKED BY	DATE
BUSHING FIT WITH SPRING PLUNGER AT 37°C 100% HUMIDITY					SAMIR SHREIM	5/21/2009
Image: constrained of the constrained o	1. MATERIAL: ACETAL COPOLYMER BLACK	В	SAMIR SHREIM	SAMIR SHREIM		
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL±1/32 ANGULAR: MACH±0.5 DEG TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.00       SPRING PLUNGER BLOCK         PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE BEAMS LAB AT UCI'S BECKMAN LASER INSTITUTE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE BEAMS LAB IS PROHIBITED.       SIZE A WEIGHT:       DWG. NO. 107-003-001       REV B			Ø0.500 0.609 0.100 4X Ø 0.076 ⊽TH			Ø0.250 )
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE BEAMS LAB AT UCI'S BECKMAN LASER INSTITUTE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE BEAMS LAB IS PROHIBITED. A WEIGHT: SHEET 1 OF 1		Ĵ,s	DIMENSI TOLERAI FRACTIC ANGULA TWO PL	IONS ARE IN INCHES NCES: NAL±1/32 AR: MACH±0.5 DEG ACE DECIMAL ±0.01	SPRING PLUM	
		BEAMS LAB AT L	ON CONTAINED IN THIS DRAWING IS THE SOI ICI'S BECKMAN LASER INSTITUTE. ANY REPRO	LE PROPERTY OF THE DDUCTION IN PART OR AS 5 LAB IS PROHIBITED.	107-003-0	001 B
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0.021 0.021 CENTER MARK ⁄1.` 0.021 0.021 LASER MARKED PER DIAGRAM ON SHEET 3 ⁄2. 2. 0.021 (VENDOR: LASERMATION INC.) 0.021 LASER MARK PRIOR TO TURNING RADIUS /3.` 0.022 DETAIL A SCALE 7.5 : 0.500 3. 0.021 0.021 0.021 0.021 0.673 0.021 0.021 Α 0.022 UNLESS OTHERWISE SPECIFIED TITLE: DIMENSIONS ARE IN INCHES TOLERANCES: SPRING PLUNGER FRACTIONAL±1/32 ANGULAR: MACH ± 0.5 DEG

	J - St		PLACE DECIMAL ±0.0 E PLACE DECIMAL ±0.0	· ·	-		-	-	_	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE BEAMS LAB AT UCI'S BECKMAN LASER INSTITUTE. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE BEAMS LAB IS PROHIBITED.					size	DWG	. NO. 07-003	3-00	2	rev B
					SCALE: 4:1		WEIGHT:	S	SHEET 2 OF 3	
	3			2				1		

