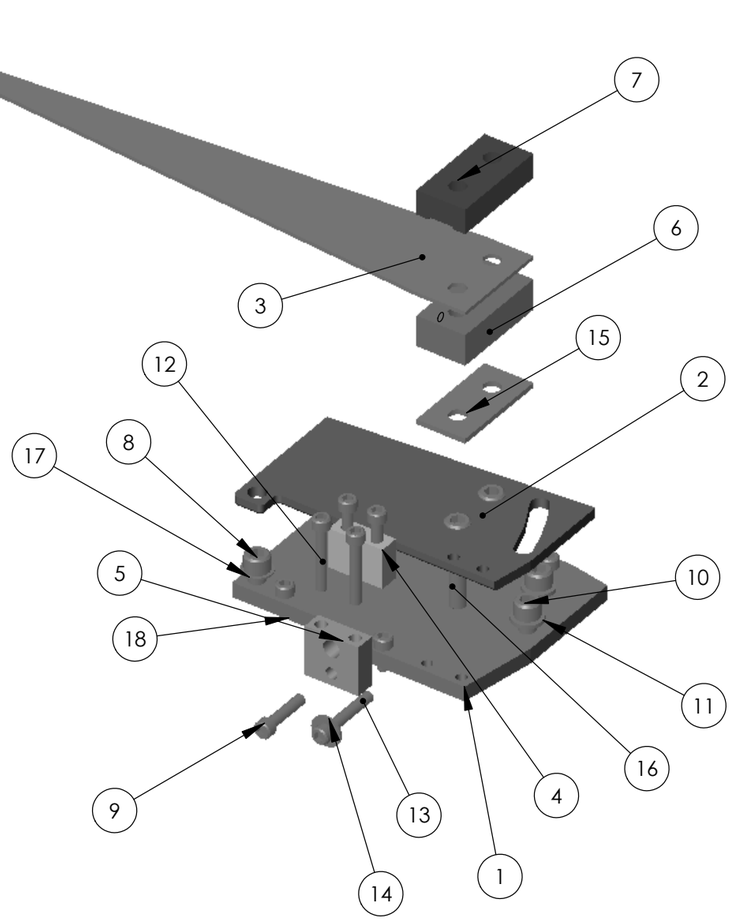
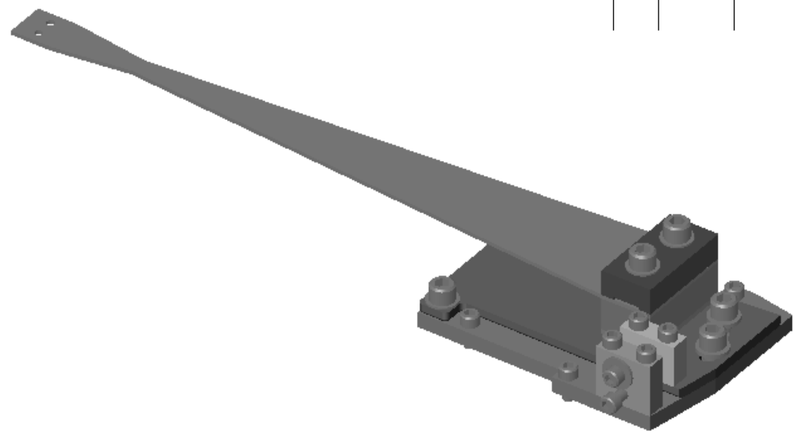
FILE NAME/LOCATION: /sirius/engmech/

REV.	DATE	DCN #	DRAWING TREE #
A	24 JUNE 2004	E040303-00	





D030451_Assembly_Rotational Adjuster.step

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	DESCRIPTION	MATERIAL
REF				D020677	ASSEMBLY LIBRARY OF CLAMPS (SELECT ANGLED SET FOR CHOSEN BLADE) ALT TO D020166 & D030459	
18	4	4	8		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.375 LONG	300 SSTL
17	3	3	6		FLAT WASHERS NAS 620-C416L (OR EQUIV.)	300 SSTL
16	2	2	4		Ag-SST SOCKET HEAD CAP SCREW 0.25-20 UNC-3A X 1.125 LONG	300 SSTL
15	4	1	5	D020680	UPPER BLADE CLAMP LOWERSIDE SHIM 2mm	300 SSTL
14	1	1	2		M4 (1 MM THICK) FLAT WASHER Metric-DIN 125 (OR EQUIV.)	300 SSTL
13	1	1	2		Ag-SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 1 LONG	300 SSTL
12	2	2	4		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 1 LONG	300 SSTL
11	2	2	4		FLAT WASHERS NAS 620-C416 (OR EQUIV.)	300 SSTL
10	2	2	4		SST SOCKET HEAD CAP SCREW 0.25-20 UNC-3A X 0.5 LONG	300 SSTL
9	3	3	6		Ag-SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.75 LONG	300 SSTL
8	1	1	2		SST SOCKET HEAD CAP SCREW 0.25-20 UNC-3A X 0.375 LONG	300 SSTL
7	1	1	2	D020116	UPPER BLADE CLAMP UPPER SIDE 0.0 DEGREE	300 SSTL
6	1	1	2	D030459	RA UPPER BLADE CLAMP LOWER SIDE 0.0 DEGREE	300 SSTL
5	4	2	6	D030449	PUSH PLATE	300 SSTL
4	4	2	6	D030450	PULL PLATE	300 SSTL
3	1	6	7	D020205	UPPER BLADE	MARAGING STEEL C250
2	4	2	6	D030447	ROTATING PLATE	300 SSTL
1	4	2	6	D030448	BASE PLATE	6061-T6 AL

PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. REMOVE ALL SHARP EDGES, R.02 MIN.
2. DO NOT SCALE FROM DRAWING.
3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE, SUCH AS CINCINNATI MILACRON'S CIMTECH 410 (STAINLESS STEEL)

④ SCRIBE, ENGRAVE OR STAMP DRAWING PARTNUMBER ON NOTED SURFACE OF PART AND A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST PART AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. EXAMPLE: D020188- 001. A VIBRATORY TOOL MAY BE USED.

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5 °

MATERIAL --

FINISH N/A

	NAME	DATE
DRAWN	MPL (IGR)	04SEP03
CHECKED		
APPROVED		

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
IGR, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY Upper Blade

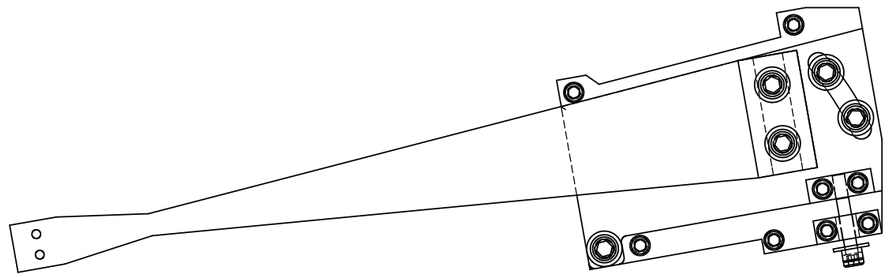
PART NAME Rotational Adjuster Assembly

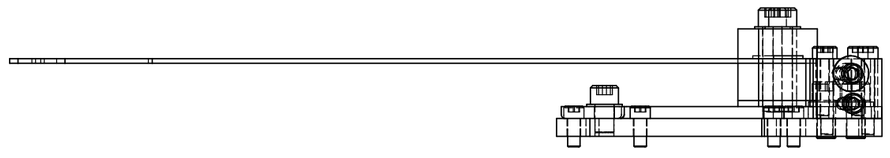
SIZE B | **DWG. NO.** D030451 | **REV.** A

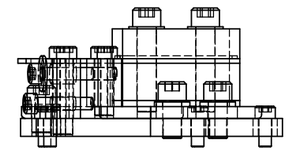
SCALE: 1:1 | **PROJECTION:** | SHEET 1 OF 2

FILE NAME/LOCATION: /sirius/engmech/

REV.	DATE	DCN #	DRAWING TREE #







PARTS LIST

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DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5 °

MATERIAL --

FINISH N/A

	NAME	DATE
DRAWN	MPL (IGR)	04SEP03
CHECKED		
APPROVED		

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
IGR, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY Upper Blade

PART NAME Rotational Adjuster Assembly

SIZE B | **DWG. NO.** D030451 | **REV.** A

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