

PART NUMBER			DESCRIPTION]
			BASE PLATE					1
		E.	AR H	JLDI	ER (type-A Ear)	+	1	1
		E	AR H	OLD	ER (type-B Ear)	+	1	1
			ste	el b	all bearing	1	1	1
			ste	el b	all bearing		1	в
			ste	el b	all bearing		1	1
					0		1	1
							1	1
Ear (Type A)			Refi	ned	Ear (Type A)		1	1
Ear (Type B)			Refi		1	1		
ET HEAD CAP SCREW M2 X 8 LONG							8	L
DIN 934 (OR EQUIV.)							4	1
screw							2	1
d setwcrew							2]
			PA	RTS LI	ST			1
NOTE: ORACES OTHERWISE 1 DO NOT SCALE FROM DRAWING: 2 SUPPORT DRAWINGS FOR ASSEMILY ACTIVITY ORLY:		DIMENSIONS TOLERANCE	S ARE IN MIL S:	LIMETERS	LIGO CALIFORNIA INSTITUTE OF TEC MASSACHUSETTS INSTITUTE OI IGR, GLASGOW UNIVERSITY O		JLOGY HNOLOGY 600 GROUP	
		ANGULAR±0.5 *			SYSTEM ALIGO			^
		MATERIAL SUB-SYST			SUB-SYSTEM SUS		1	
					NEXT ASSY FTM NP-type (GLASS MASS			1
		PART NAME FAR BONDING J		JIG	GA	1		
		DRAWN CHECKED	R.JONES	AUG 07 AUG07	SIZE DWG. NO. D070391		REV. 01	
		APPROVED			SCALE: 1:1 PROJECTION:	₽	SHEET 1 OF 3	
	2				1			



THE CENTRAL DATUM AXIS (DATUM -A-) ALSO HELPS IDENTIFY THE SUBTLE DIFFERENCE BETWEEN REFINED EAR "TYPE A" AND "TYPE B". CONSIDER DATUM -A-, AS AN AXIS OF SYMMETRY: "TYPE B" IS THE MIRROR IMAGE OF "TYPE A" ABOUT THAT AXIS.

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NOTES: (UNLESS OTHERWISE SPECIFIED)								
DIMENSIONS ARE IN MILLIMETERS TOLERANCES: X ± 0.1 ANGULAR± 0.5 • MATERIAL		u		GALFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOG IGR, GLASGOW UNIVERSITY GEO 600 GRO		HNOLOGY HNOLOGY 500 GROUP		
		system ALIGO						
		308-313	S	US				
		NEXT AS	isy e.	TM NP-type	(GLASS	MASS)		
FINISH	FINISH					(
	NAME	DATE			LAK DONDING JIG GA		GA	
DRAWN	R.JONES	AUG 07	SIZE DV	NG. N	0.		REV.	
CHECKED	LWILMUT	AUG07	D		D0703	91	01	
			SCALE:	1:1	PROJECTION:	\$0	SHEET 2 OF 3	
	SE SPECIFIED) DIMENSION TOLERANCI X ± 0.1 ANGULAR± MATERIAL FINISH DRAWN CHECKED APPROVED	PA Se SPECIFIED) DIMENSIONS ARE IN MIL TOLERANCES: X 2.0.1 ANGULAR±0.5 * MATERIAL FINISH DRAWN R.JONET CHECKED MAME CHECKED MAME	PARIS LE SESPECTION SESPECTION DOMENSIONS ARE IN MILLIMETERS TOLERANCES X 103 ANGLIAR2 0.5 MATERIAL FINISH TOMME DATE DRAWM R.JORSS MACO CONSS MACO LORDSS MACO ADOPTION ADOPTION ADOPTION	PARTS LIST SE SPECERIED) DOMENSIONE ARE IN MILLIMETERS TO COLERANCES X 1 0.0 MATERIAL PRINTH PARTS IN PARTS	PARIS LIST SESPECTRID) DOMENSIONS ARE IN MULTIMETERS V 1001 ANGULAR 0.5 NATERIAL 	SI SPECIFIED) DOMENSIONS ARE IN MILLINETERS UNITERS IN TELES IN THE INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY. INTERSITY INTERSITY. INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY. INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERSITY INTERS	MARIS LISI SS SPICERED) CALIDAMA INSTITUTE OF TICHING MISSIONER ARE IN MILLIMETER TOCIDADACES DOMINIONA ARE IN MILLIMETER COLLEMACES CALIDAMA INSTITUTE OF TICHING MISSIONER ARE INSTITUTE OF TICHING MISSIONER ARE IN MILLIMETER SIGE SYSTEM MAREDAL SIGE SYSTEM SUS MIREMAL NICH ASSY ETIM NPI-type (GLASS PART NAME EAR BONDING JIG D D D070391 MAREDAL SIGE SYSTEM SUS MIREMAL BART NAME EAR BONDING JIG D D D070391	

BONDING OF PRISMS TO NP-type PENULTIMATE MASSES



ADDITIONAL NOTES:

- DATUM -C- AND DATUM -H-, AS SHOWN IN THE PLAN VIEW ABOVE, ARE USED AS THE REFERENCES WHEN POSITIONING THE PRISM HOLDER DURING BONDING

- THE DRAWING ABOVE SHOWS THE HIGHEST POSSIBLE POSITION (TO ACHIEVE MAXIMUM 'd2') OF THE PRISM GIVEN THE POSITIONS OF THE EARS ON THE NP-type PENULTIMATE MASSES. THIS POSITION DOES NOT TAKE INTO ACCOUNT EAR MISALIGNMENTS (VERTICAL).

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			REV. DATE	DCN #	DRAWING TREE #	-
DOND						_
BOND	SURFACE					
			rism in holi	<u>DER)</u>	I	G
						F
ASSEMBLY	/DISASSEMBLY_TIPS - THE HOLDER:					
- LOAD PR	ISM INTO HOLDER WHEN HOLDER	s inverted				
- ALLOW P	PRISM TO SLIDE UNTIL ALIGNED WITH	I REFERENCE SURFA	CE (DATUM -	G- BELOW)		
- USE GRIP Material Manner.	PING BOLT TO HOLD PRISM IN PLAC OR GEOMETRY SUCH THAT THE SUF (E.G. TEFLON TIP?)	ce. The Bolt Shoul Rface of the Prism	d have a tif I is not loa	of an appropr ded in an undes	riate Sireable	
- BE CAREI (-G-)	FUL NOT TO OVER-TORQUE THE BOI	lt causing a defli	ECTION OF TH	HE REFERENCE SU	RFACE	
- ONCE TH RETRACT T SUCH THA	ie prism bond has cured, dis-as 'He bolt. And lift the holder ca t the holder can be prised apai	sembly should be Refully Away. The RT IF The process p	Relatively s Holder Ha Roves trou	TRAIGHTFORWAI S A WEAK POINT BLESOME.	RD.	E
- NOTE ALS	SO THAT THE M2 BOLT USED IN THE I	HOLDER, SITS VERY (CLOE TO THE	TOP SURFACE OF	THE RIGHT	

- NOTE ALSO THAT THE M2 BOLT USED IN THE HOLDER, SITS VERY CLOE TO THE TOP SURFACE OF THE RIGHT HAND EAR, SO EXTREME CARE SHOULD BE TAKEN AT EACH STAGE TO MINIMISE RISK OF DAMAGE TO THE EAR



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WEAK/HINGE POINT

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CLEARANCE VOLUME DUE TO THE CLOSE PROXIMITY OF THE EAR (WELDING HORN)

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		PA	RTS LI	ST				
NOTES: (UNLESS OTHERWI	SE SPECIFIED)							
1. DO NOT SCALE FROM DRAWING.	DIMENSIONS ARE IN MILLIMETERS			LIGO		CALIFORMA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, GLASGOW UNIVERSITY GEO 600 GROUP		
	TOLERANCES:		~	10				
	ANGULAR+0.5			SYSTEM	Α			
	MATERIAL			SUB-SYSTE	мs	US		
				NEXT ASSY	(F.	TM NP-type (GLASS	(22AM	
	FINISH			Епити -турс (овноз тиноз)				
		PART NAME					~	
		NAME	DATE	EAR BONDING JIG GA				
	DRAWN	R.JONES	AUG 07	SIZE DWC	3. N	0.	REV.	
	CHECKED			D		D070391	01	
	APPROVED			SCALE:	1:1	PROJECTION:	SHEET 3 OF 3	
2						1		