

I		FIRST ISSUE	HLO			06.01.18	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: Mild Steel	DRAWN BY HLO	DATE 06.01.18	TITLE Motor Base	
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	±0.2	FINISH: As Supplied	CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER HSR-1001-02
VERSIONS										SHEET SCALE	0.400	USED ON: HSR-1000-01	HSR-1001-27
I	2	3	4	5	6	7	8	9	10				

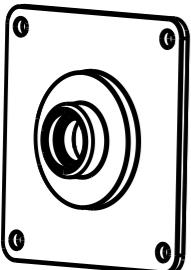
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IF IN DOUBT ASK

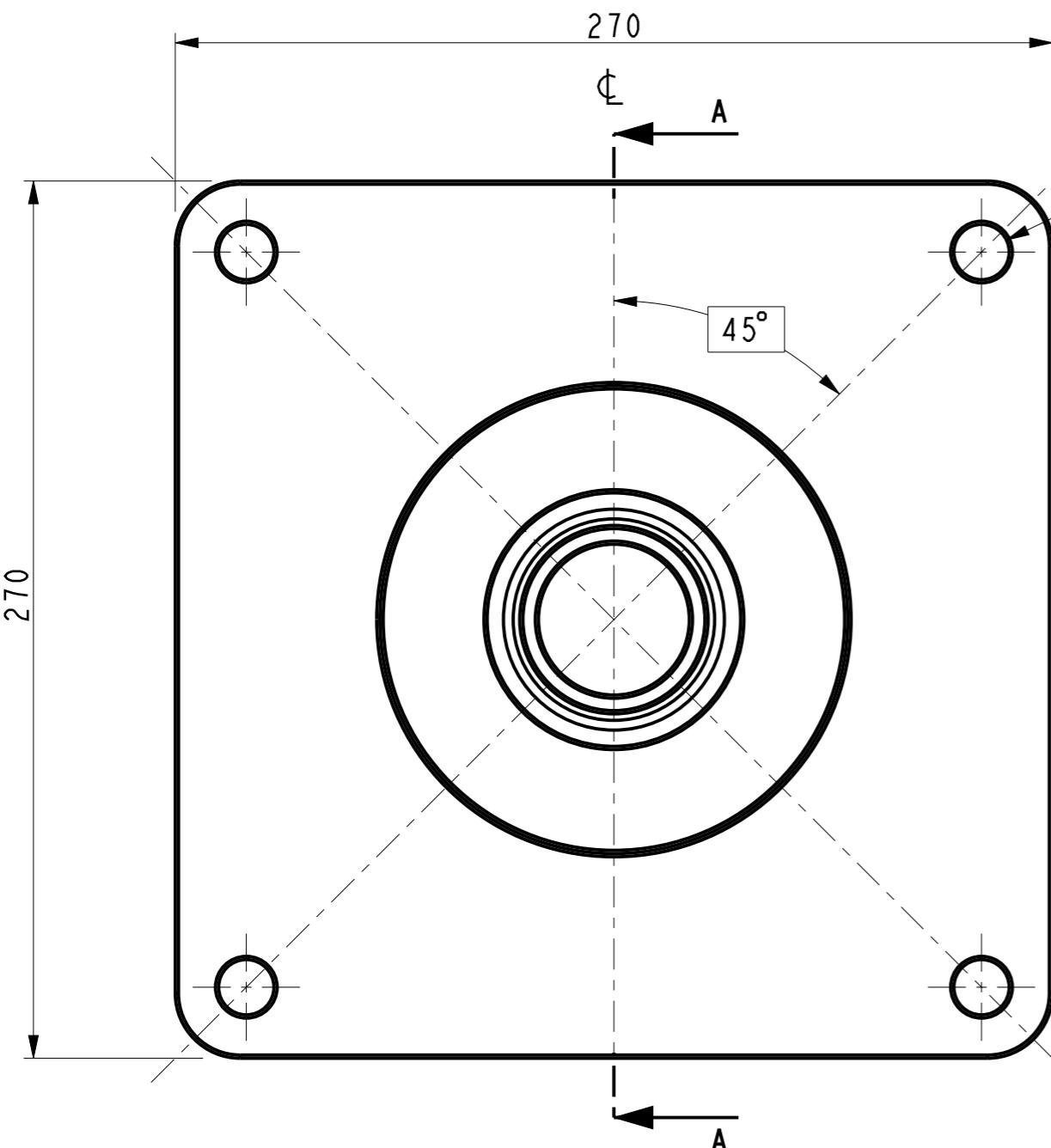
ALL DIMENSIONS IN MILLIMETRES

THIRD ANGLE PROJECTION

PART A3 DWG-01

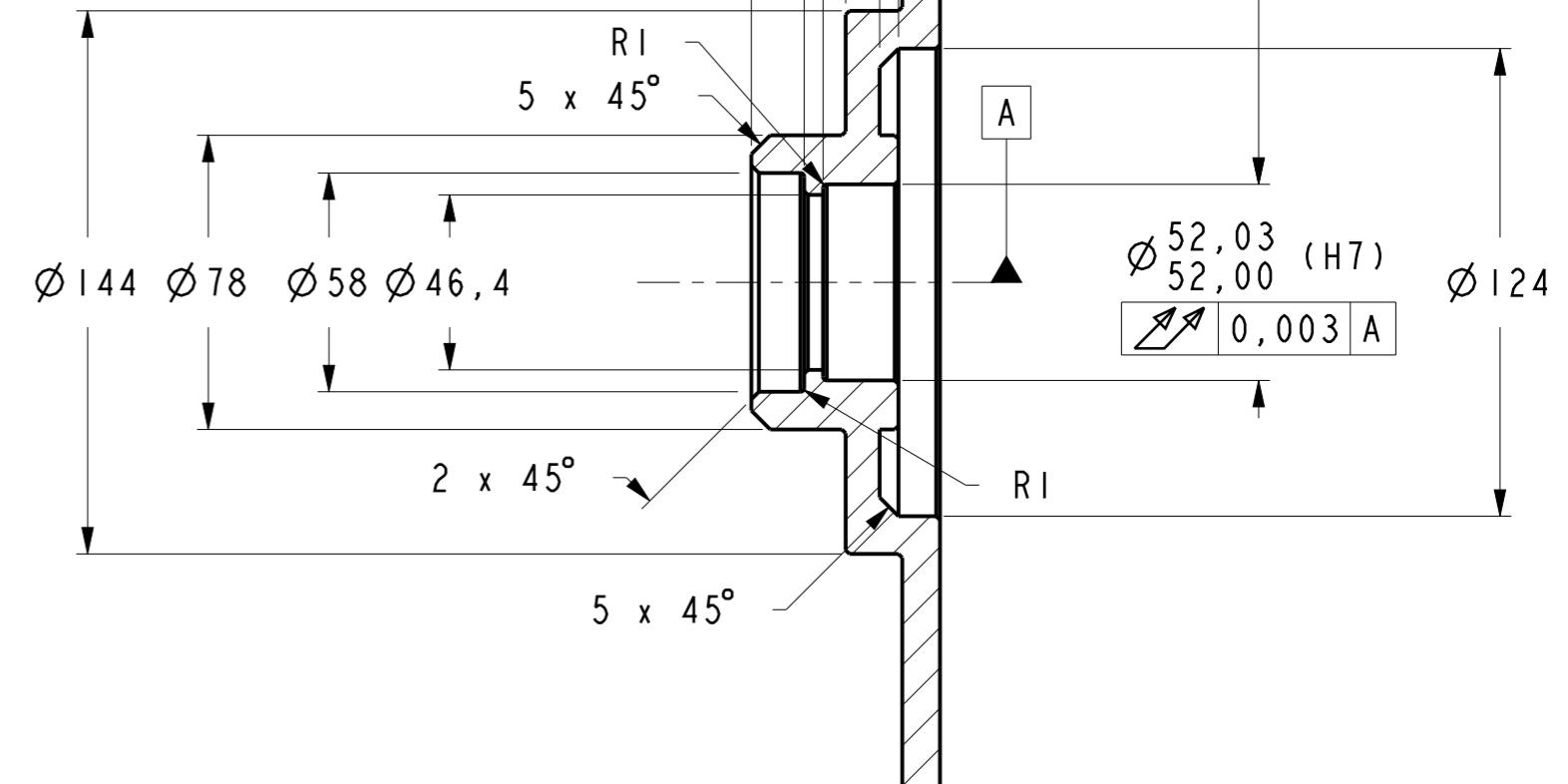
SHEET  
1 of 1

SCALE 0,125



Ø17 THROUGH,  
4 POS EQUISPACED  
ON A Ø320 PCD

Ø 0,2 A



2		PCD FOR MOUNTING HOLES CORRECTED TO 320MM (D:6)	HLO			14.01.18	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: ALUMINIUM 6061	DRAWN BY HLO	DATE 14.01.18	TITLE ENDBRACKET	
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	±0.2	FINISH: AS SUPPLIED	CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER HSR-1002-02
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	±0.2	FINISH: AS SUPPLIED	APPROVED BY	DATE	USED ON: HSR-1000-01	ESTIMATED MASS KG.
VERSIONS													ALL CHANGES LISTED ON: HSR-1002-27





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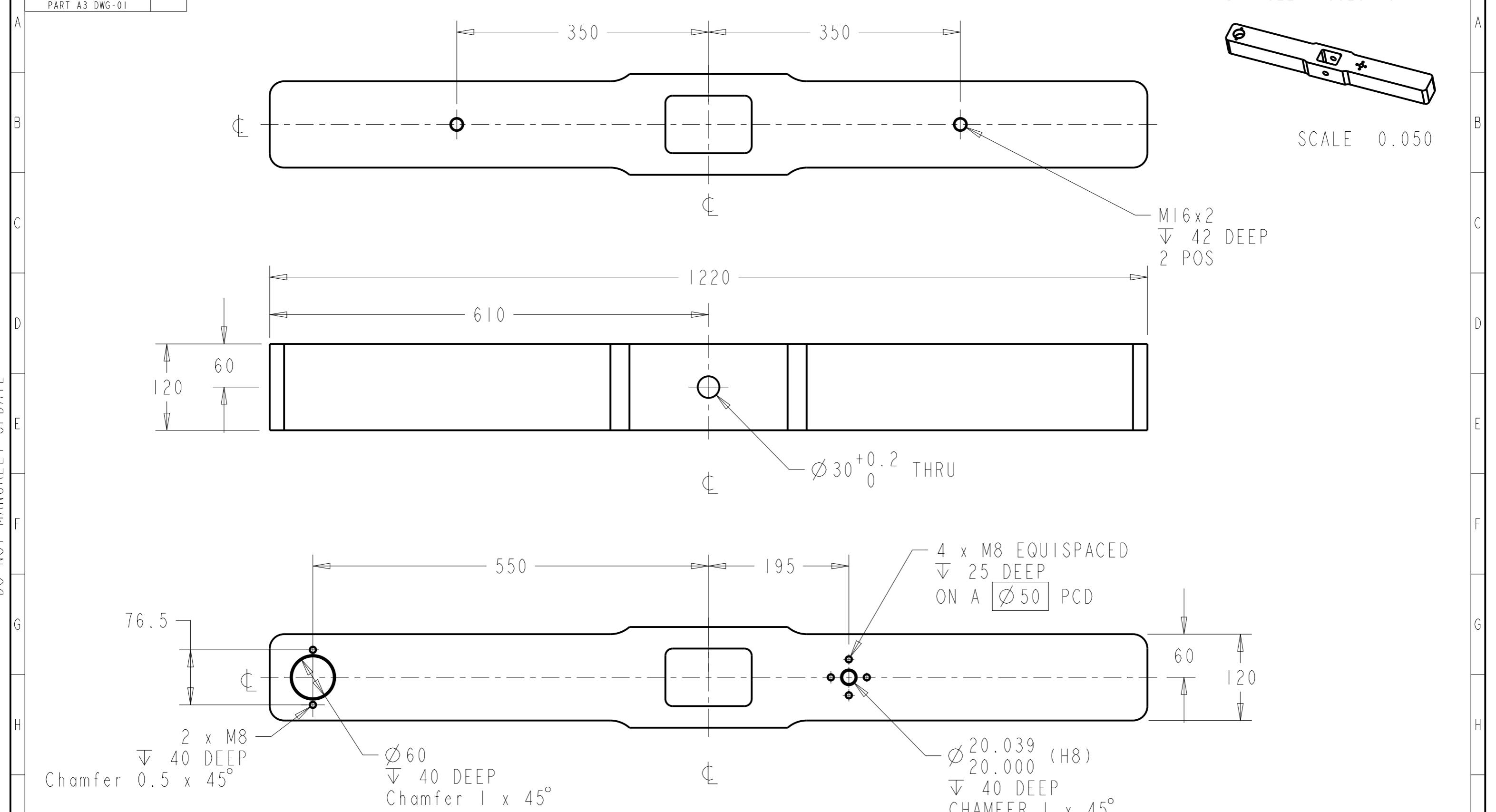
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ALL DIMENSIONS IN MILLIMETRES

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THIRD ANGLE PROJECTION



4		CENTRE DISTANCE BETWEEN MOUNTING HOLES CHANGED (G2)	HLQ			25.02.18	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: CAST IRON	DRAWN BY HLQ	DATE 05.02.18	TITLE ARM	
								±0.2	FINISH: AS SUPPLIED	CHECKED BY	DATE		
K	VER	ECN	DETAILS OF MODIFICATION		DWN	CHKD	APPR	DATE	APPROVED BY	DATE	DOCUMENT REFERENCE NUMBER HSR-1004-02	PART NUMBER HSR-1004-02	
VERSIONS													



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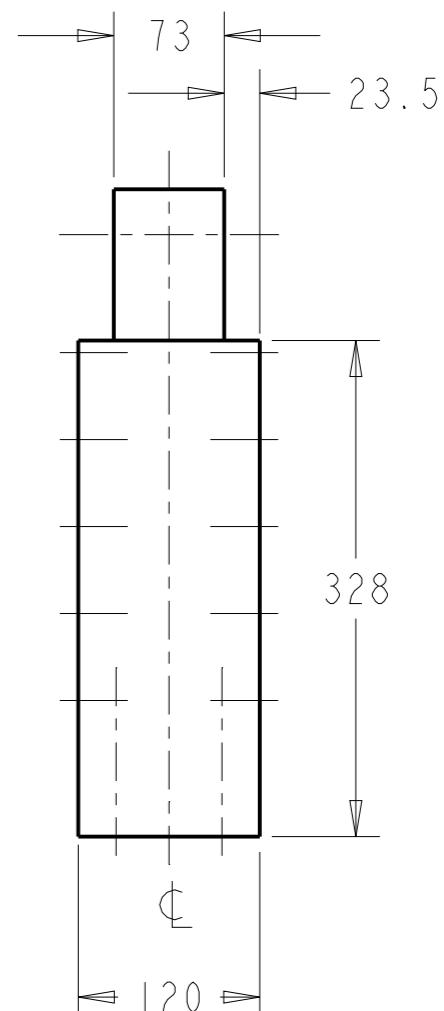
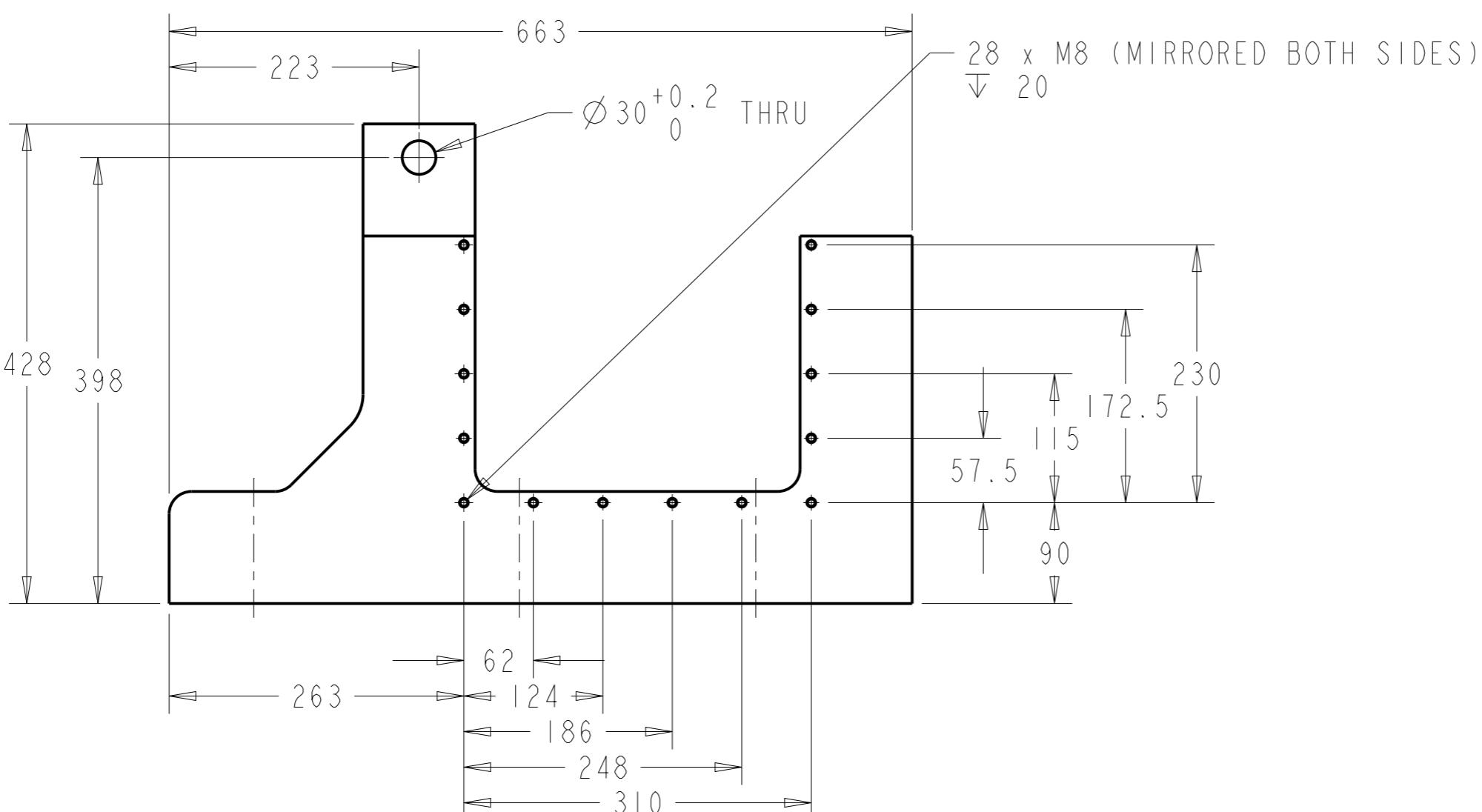
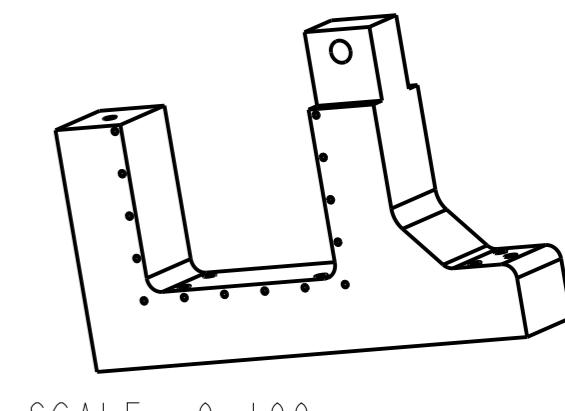
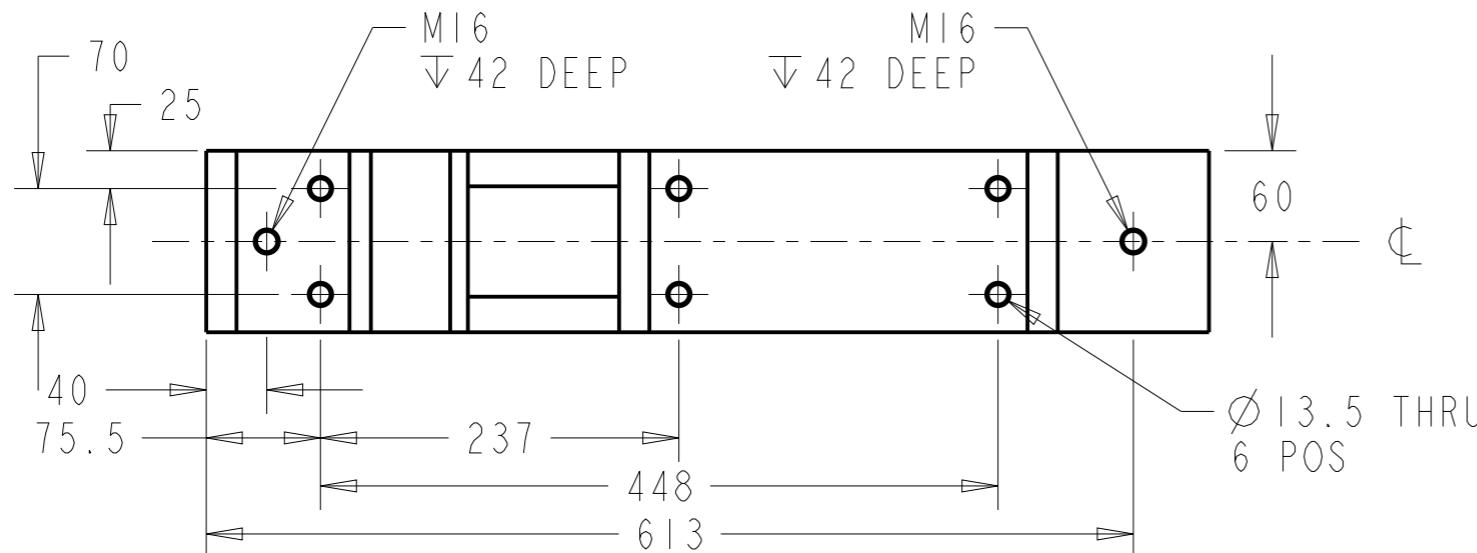
IF IN DOUBT ASK

ALL DIMENSIONS IN MILLIMETRES

PART A3 DWG-01

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THIRD ANGLE PROJECTION



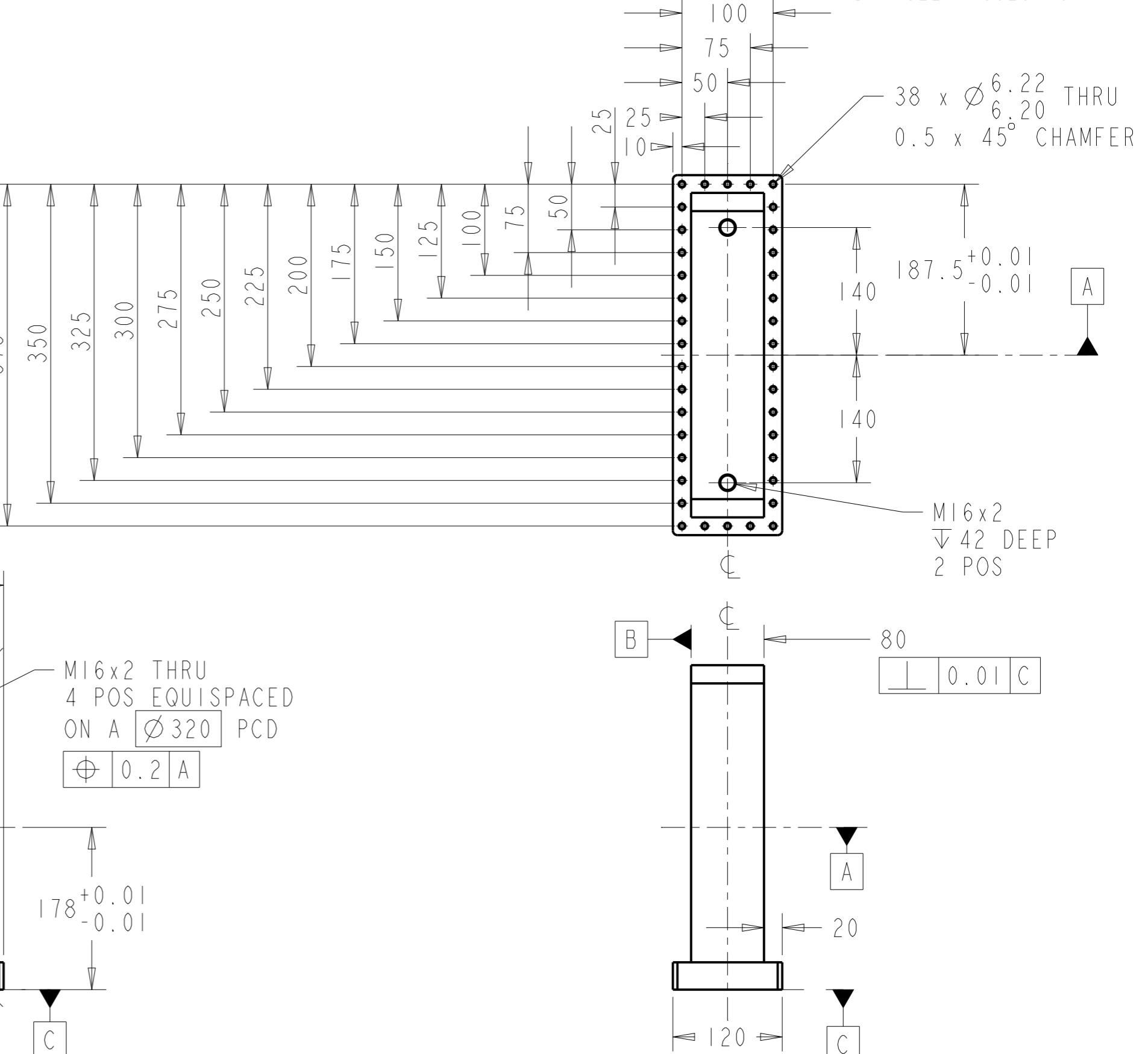
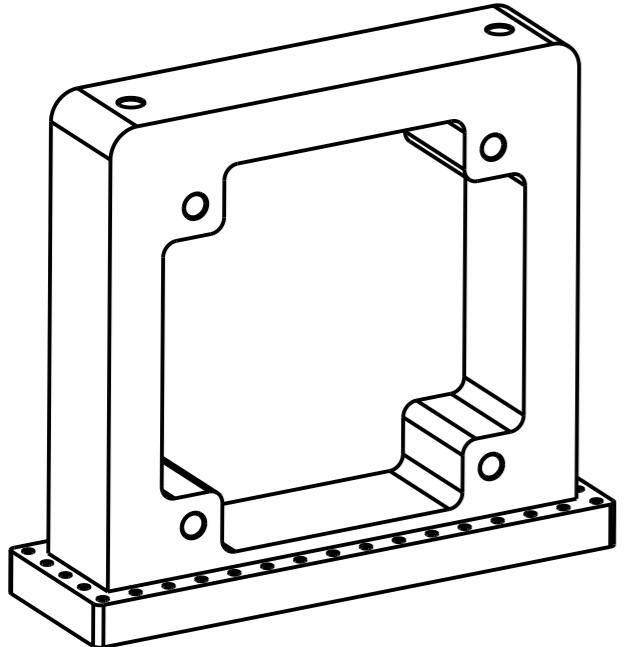
		LIFTING EYE HOLES ADDED (B2, B5)		HLO		10.02.18		UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: CAST IRON		DRAWN BY HLO	DATE 06.02.18	TITLE HINGE BASE												
2								BREAK ALL SHARP EDGES	±0.2	FINISH: AS SUPPLIED		CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER		PART NUMBER										
K	VER	ECN	DETAILS OF MODIFICATION		DWN	CHKD	APPR					APPROVED BY	DATE	HSR-1005-02												
VERSIONS																										
ALL CHANGES LISTED ON: 22HSR-1005-02																										

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IF IN DOUBT ASK

ALL DIMENSIONS IN MILLIMETRES

THIRD ANGLE PROJECTION



		LIFTING EYE HOLES ADDED (B8, E8)		HLO		10.02.18		UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: CAST IRON		DRAWN BY HLO	DATE 10.02.18	TITLE ENDBRACKET SHORT	
VER		ECN		DETAILS OF MODIFICATION		DWN		CHKD	APPR	FINISH: AS SUPPLIED		CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER PART NUMBER	
K								BREAK ALL SHARP EDGES		±0.2		APPROVED BY	DATE	HSR-1006-02	
VERSIONS															
1		2		3		4		5		6		7		8	
I		II		III		IV		V		VI		VII		VIII	
K															



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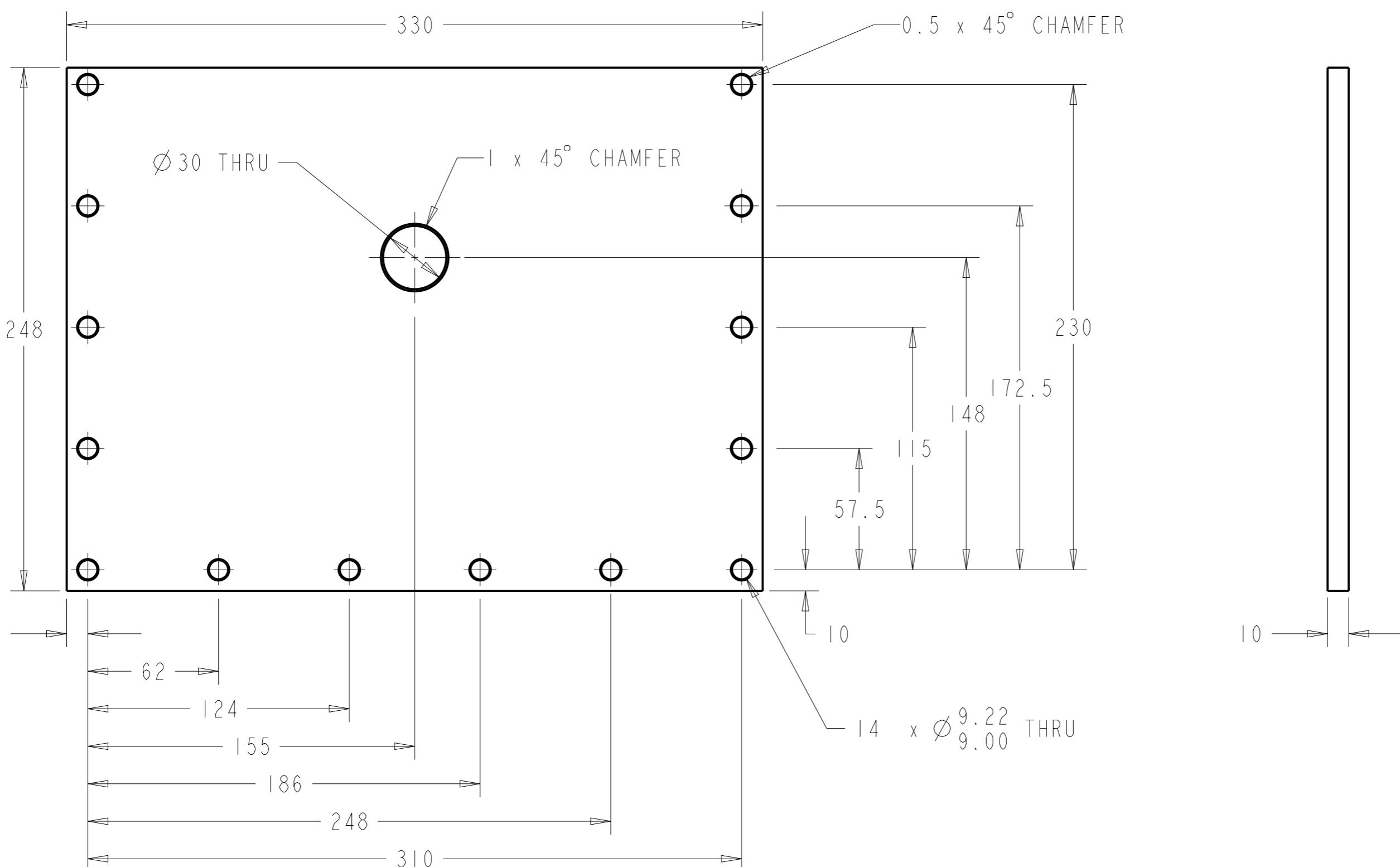
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ALL DIMENSIONS IN MILLIMETRES

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THIRD ANGLE PROJECTION



I							UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: MILD STEEL	DRAWN BY HLQ	DATE 17.02.18	TITLE GASKET		
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE 17.02.18	BREAK ALL SHARP EDGES	±0.2	FINISH: AS SUPPLIED	CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER HSR-1008-02
J										Loughborough University	APPROVED BY	DATE		
			VERSIONS							SHEET SCALE	0.500	USED ON:	HSR-1000-01	
ALL CHANGES LISTED ON: HSR-1008-27														

DO NOT SCALE DRAWING

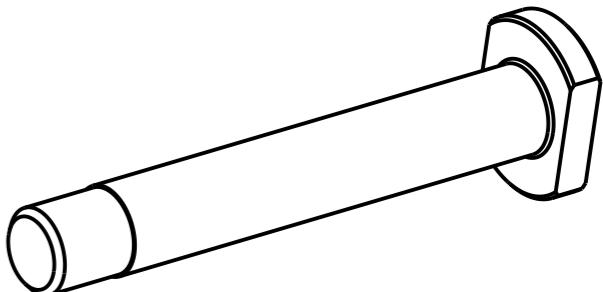
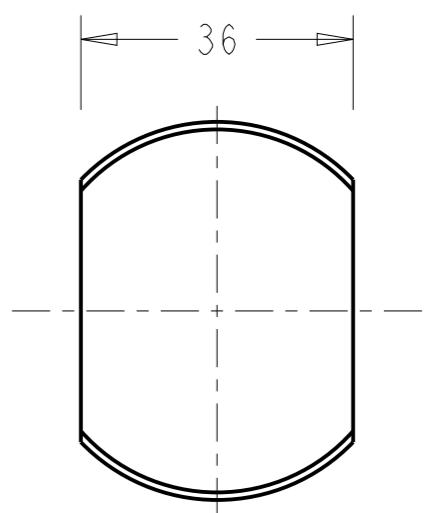
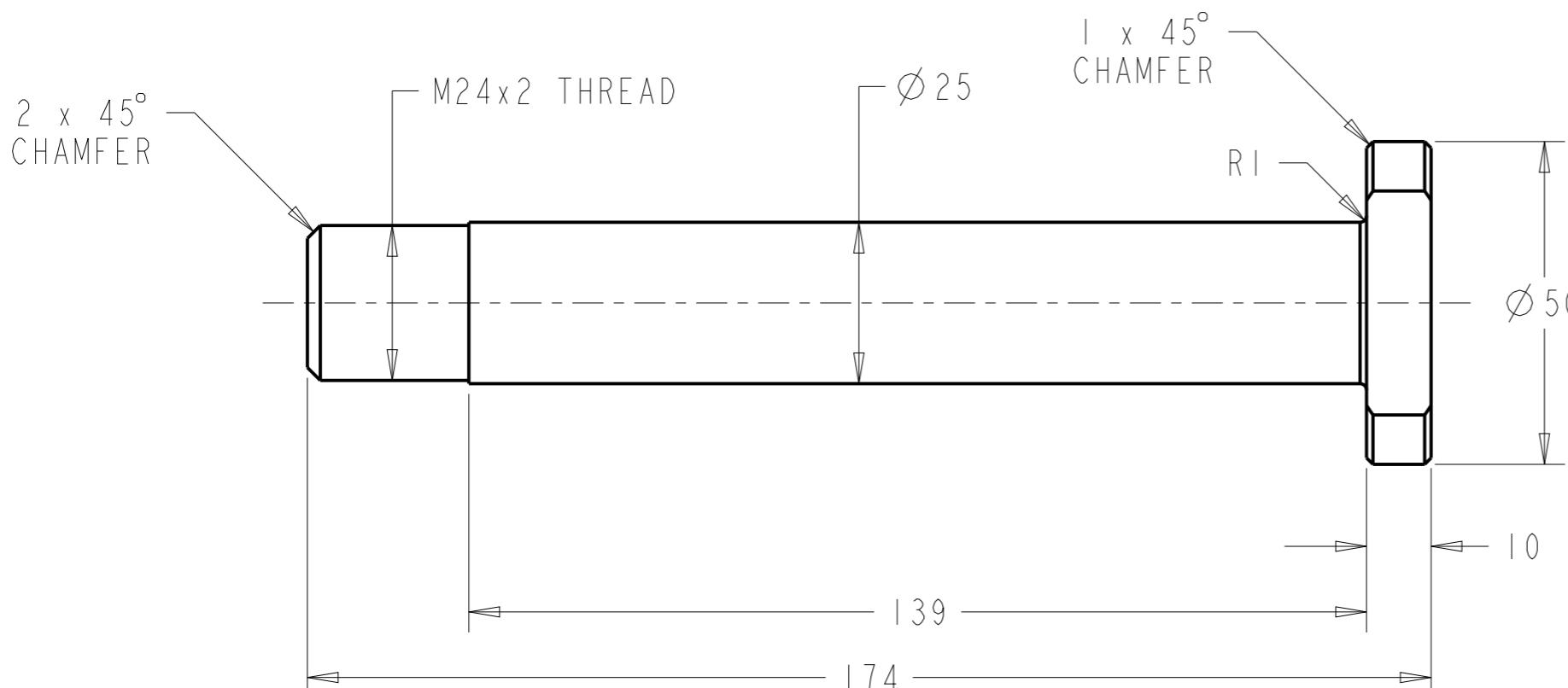
IF IN DOUBT ASK

ALL DIMENSIONS IN MILLIMETRES

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THIRD ANGLE PROJECTION



SCALE 0.500

I		FIRST ISSUE	HLQ			17.02.18	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: SAE8620	DRAWN BY HLQ	DATE 17.02.18	TITLE HINGE PIN		
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	±0.2	FINISH: AS SUPPLIED	CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER	
J	VERSIONS							<b>Loughborough University</b>			APPROVED BY	DATE	HSR-1009-02	
											SHEET SCALE	1.000	USED ON:	HSR-1000-01
											ESTIMATED MASS KG.		ALL CHANGES LISTED ON:	HSR-1009-27

DO NOT SCALE DRAWING

IF IN DOUBT ASK

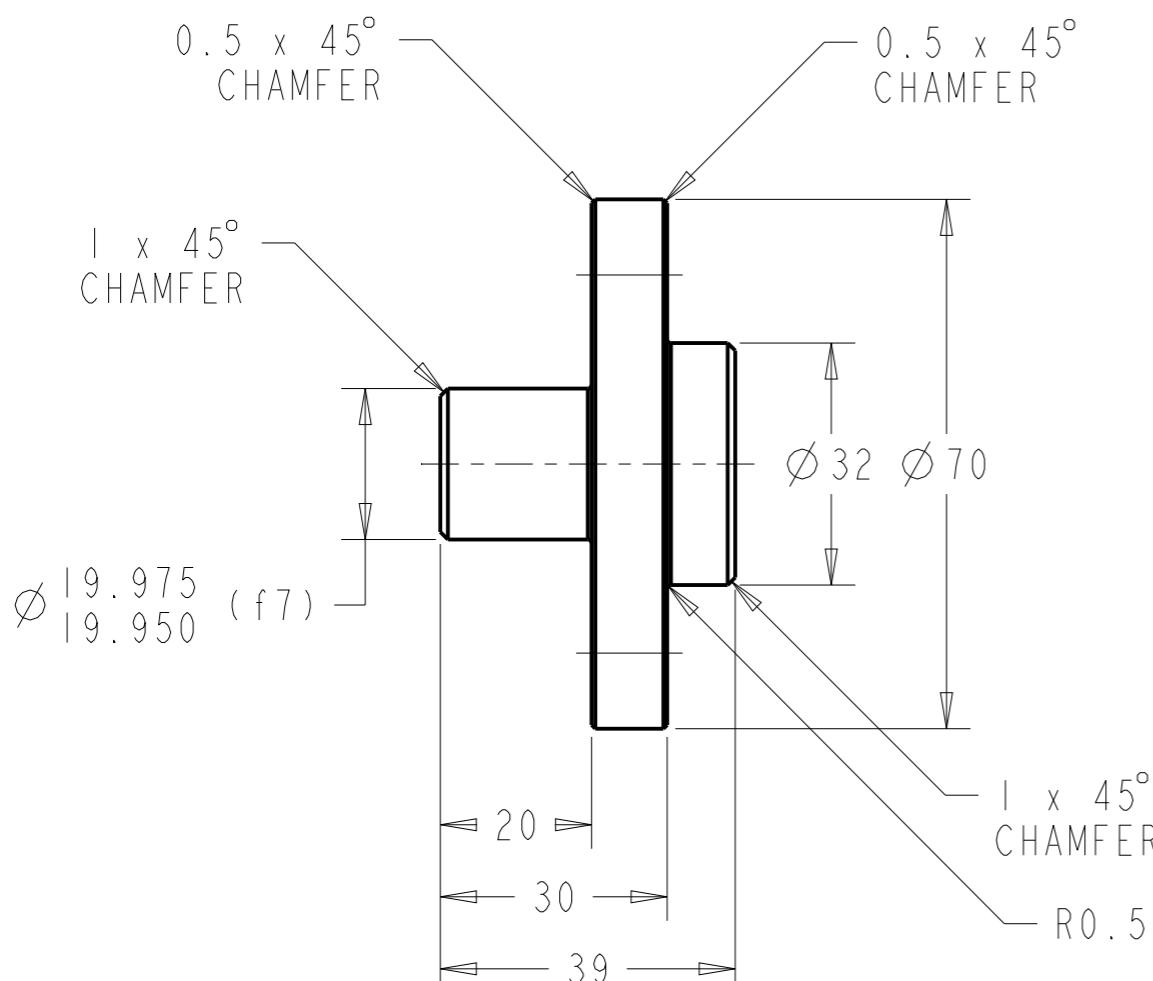
ALL DIMENSIONS IN MILLIMETRES

PART A3 DWG-01

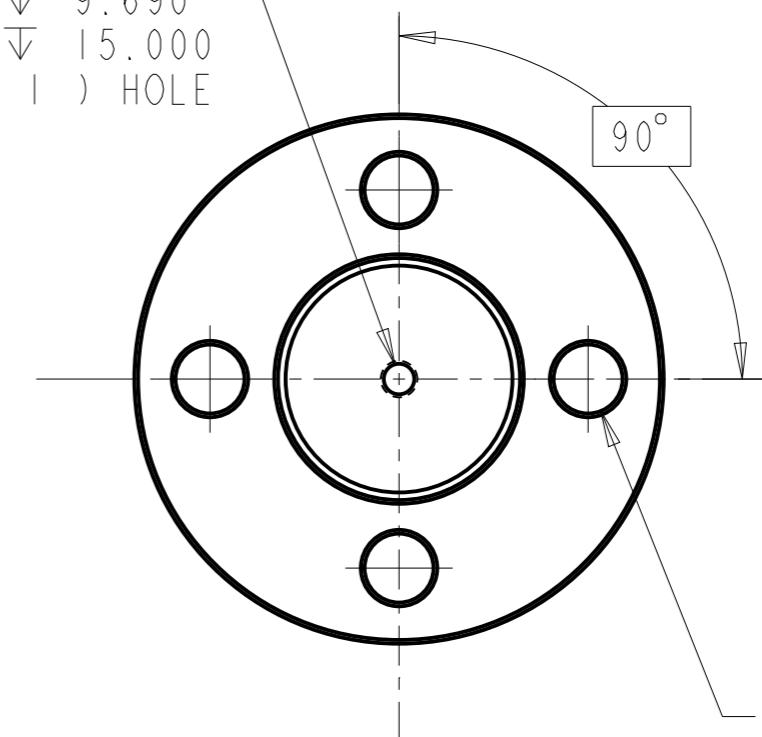
SHEET  
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THIRD ANGLE PROJECTION

DO NOT MANUALLY UPDATE



10-32 UNF - 2B TAP  $\downarrow$  9.690  
#21 DRILL ( 4.039 )  $\downarrow$  15.000  
- ( 1 ) HOLE



I	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: MILD STEEL	DRAWN BY HLQ	DATE 18.02.18	TITLE Load Ball Holder				
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER	
J	VERSIONS						SHEET SCALE	1.000	USED ON:	HSR-1000-01
							ESTIMATED MASS KG.		ALL CHANGES LISTED ON:	HSR-1010-27
Loughborough University										

DO NOT SCALE DRAWING

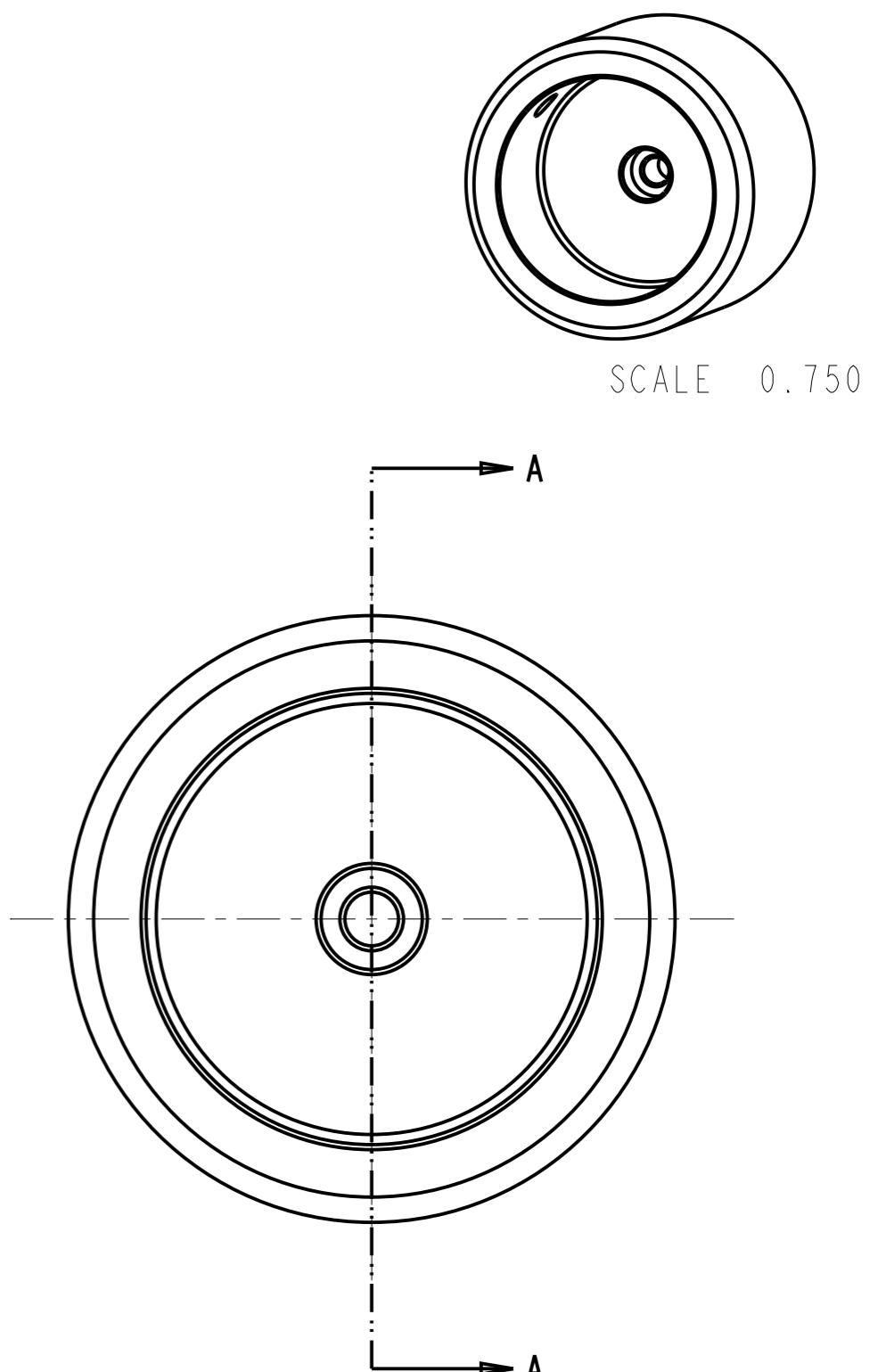
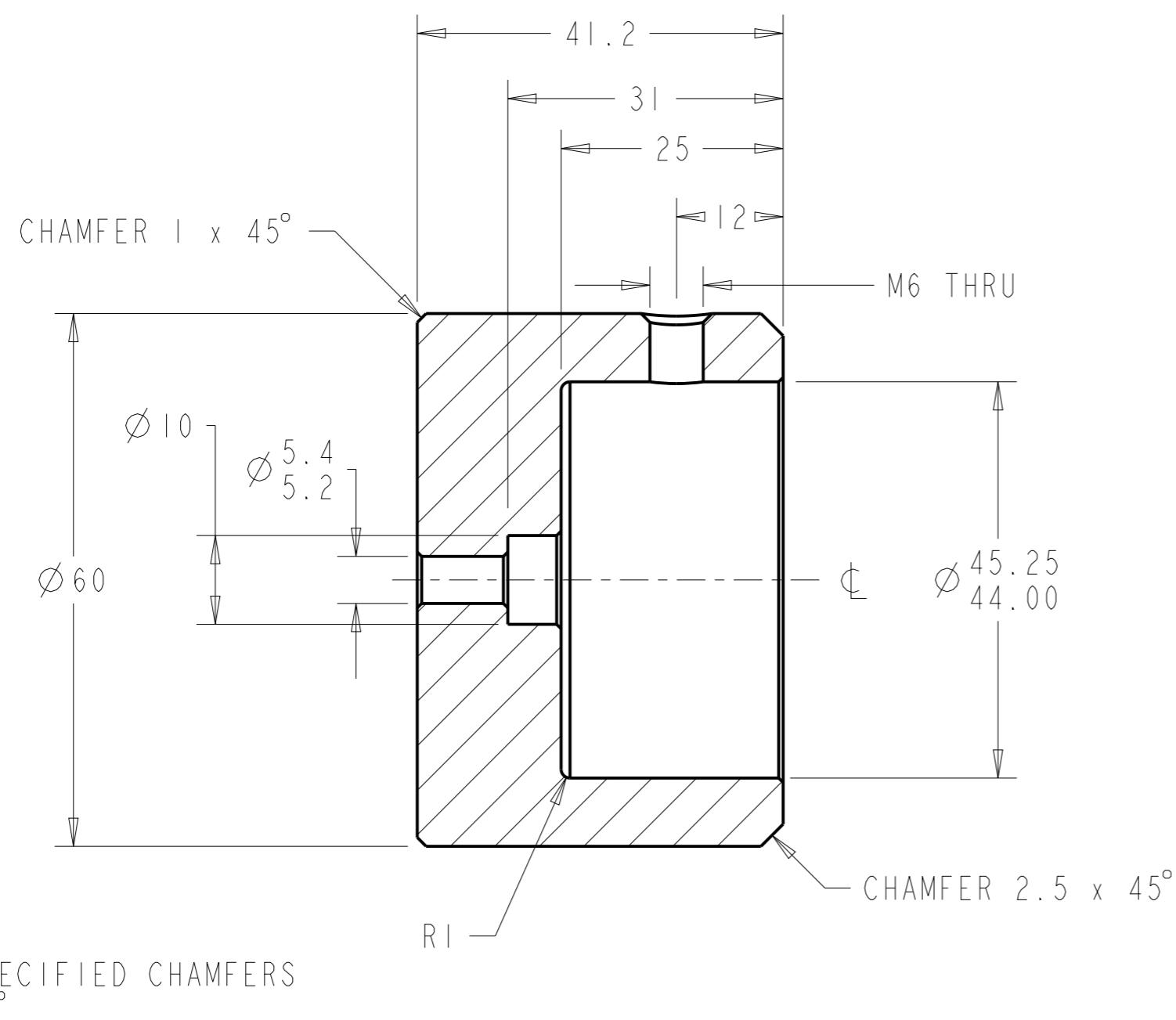
IF IN DOUBT ASK

ALL DIMENSIONS IN MILLIMETRES

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THIRD ANGLE PROJECTION



I		FIRST ISSUE	HLQ			18.02.18	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: MILD STEEL	DRAWN BY HLQ	DATE 18.02.18	TITLE LOAD BALL HOLDER 2		
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	BREAK ALL SHARP EDGES	±0.2	FINISH: AS SUPPLIED	CHECKED BY	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER HSR-1011-02
J	VERSIONS							 <b>Loughborough University</b>			APPROVED BY	DATE		
							SHEET SCALE	1.500	USED ON:	HSR-1000-01				
							ESTIMATED MASS KG.		ALL CHANGES LISTED ON:	HSR-1011-27				

DO NOT SCALE DRAWING

IF IN DOUBT ASK

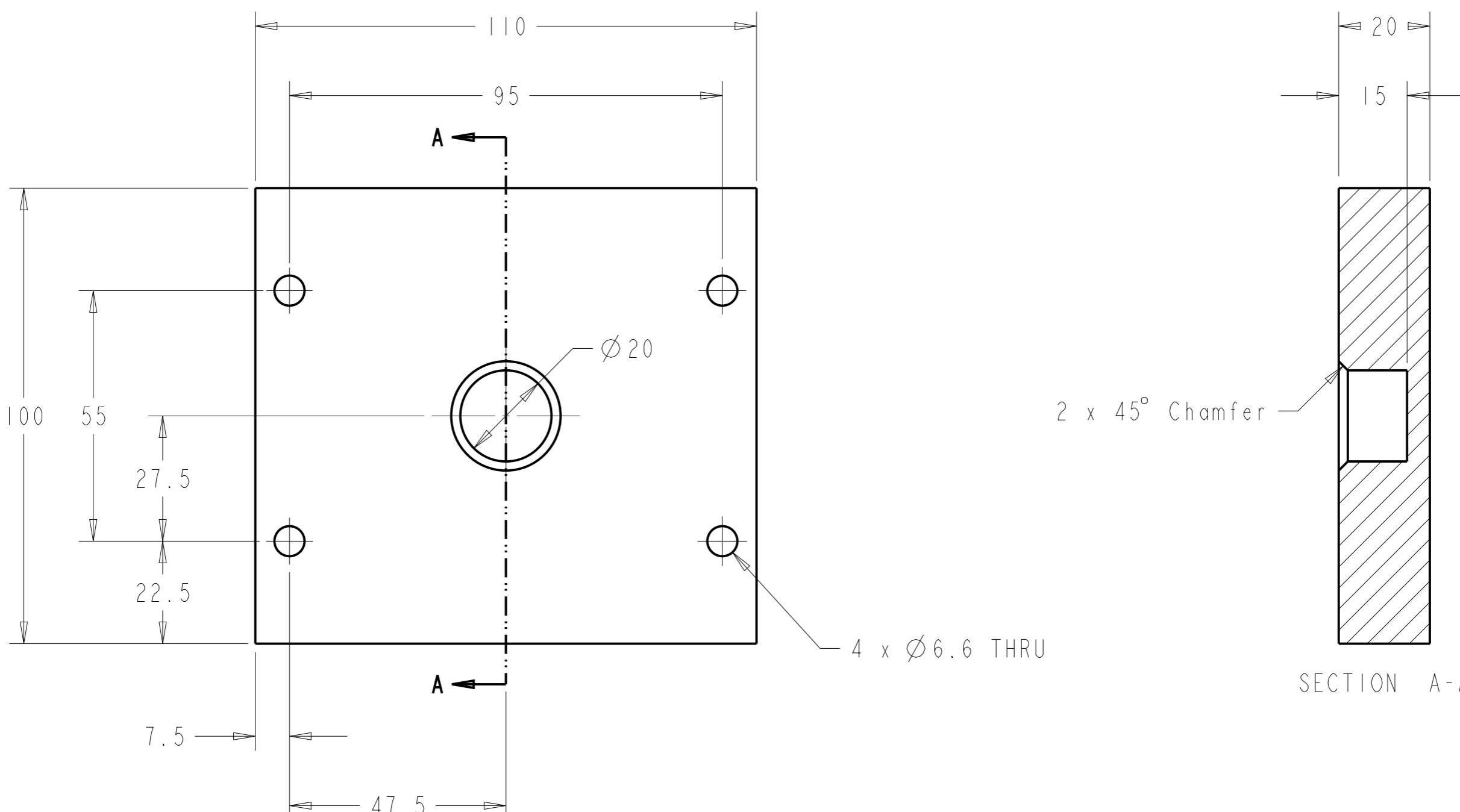
ALL DIMENSIONS IN MILLIMETRES

PART A3 DWG-01

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THIRD ANGLE PROJECTION

DO NOT MANUALLY UPDATE



I	UNSPECIFIED DETAIL	UNSPECIFIED TOL.	MATERIAL: MILD STEEL	DRAWN BY HLQ	DATE 01.03.18	TITLE SHAKER SPACER BASE			
K	VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE	DOCUMENT REFERENCE NUMBER	PART NUMBER
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VERSIONS									



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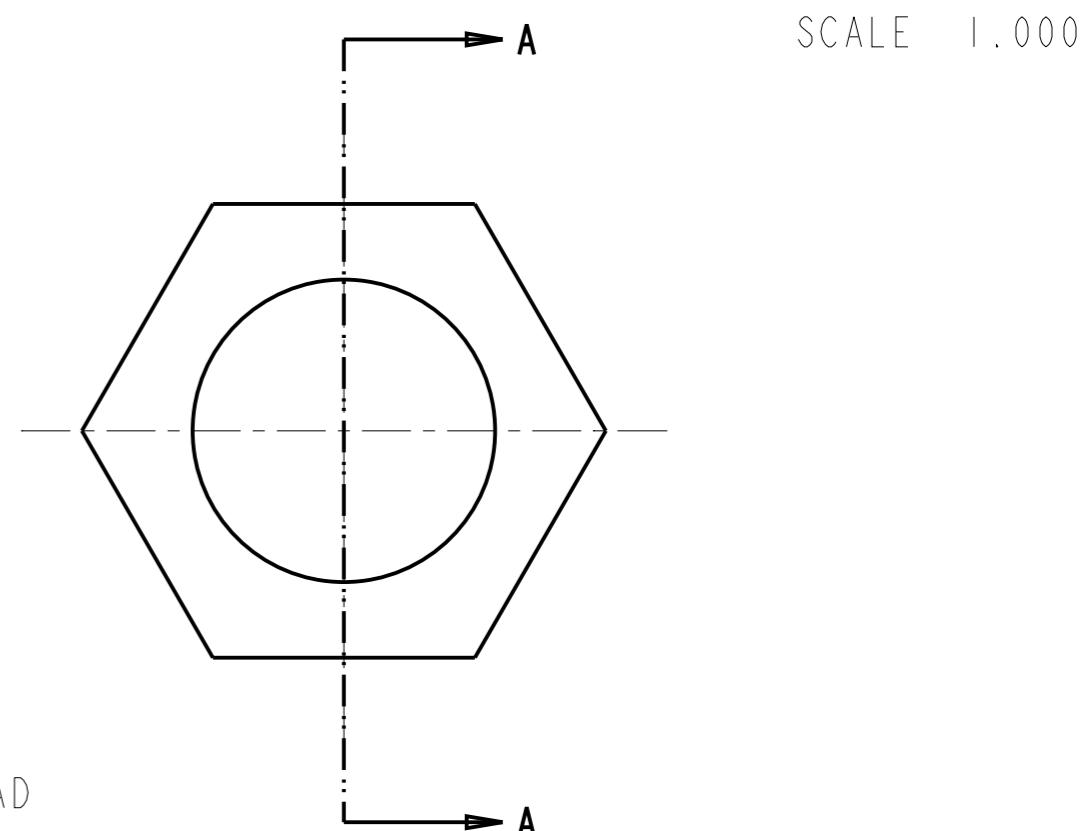
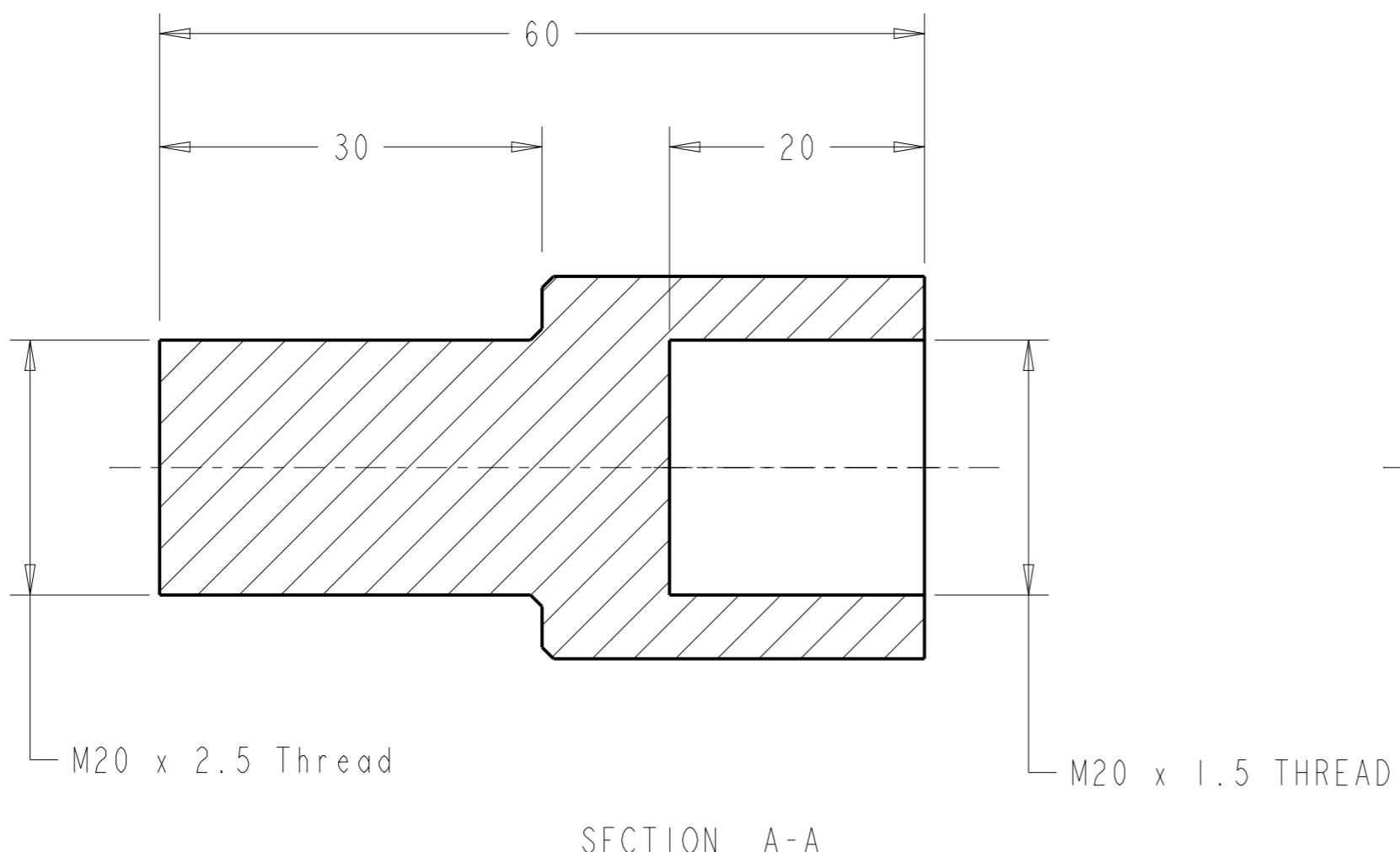
IF IN DOUBT ASK

ALL DIMENSIONS IN MILLIMETRES

PART A3 DWG-01

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THIRD ANGLE PROJECTION



I													
VER	ECN	DETAILS OF MODIFICATION	DWN	CHKD	APPR	DATE							
VERSIONS													