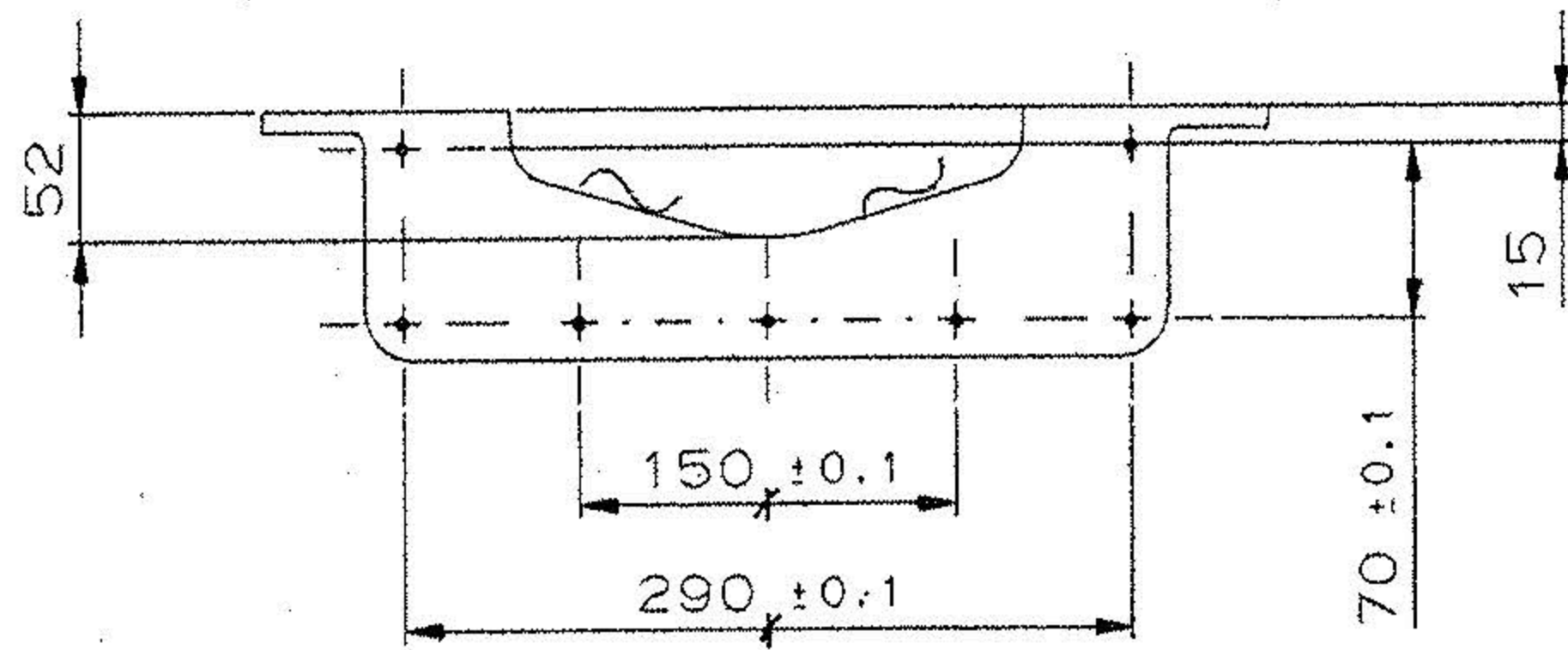
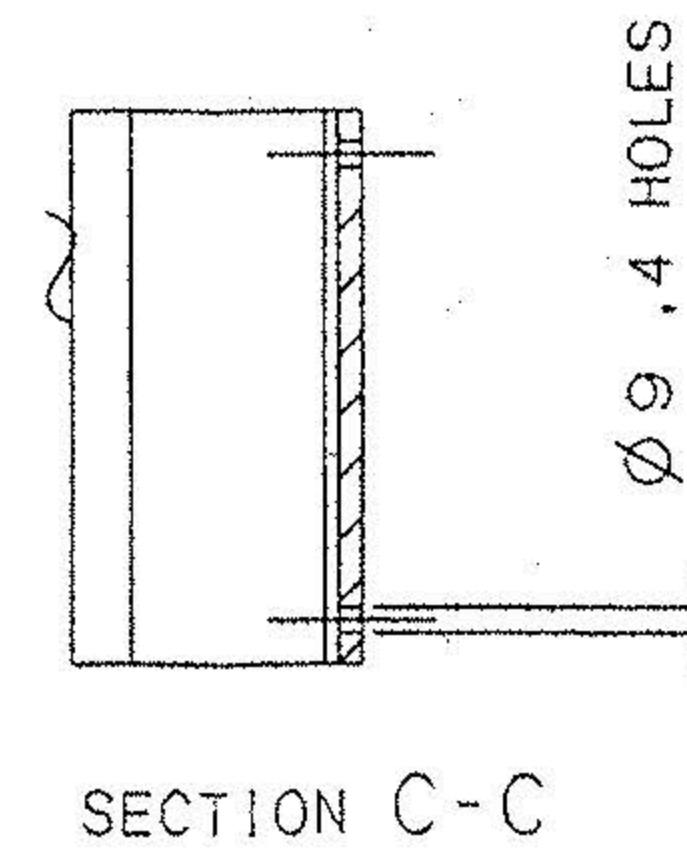
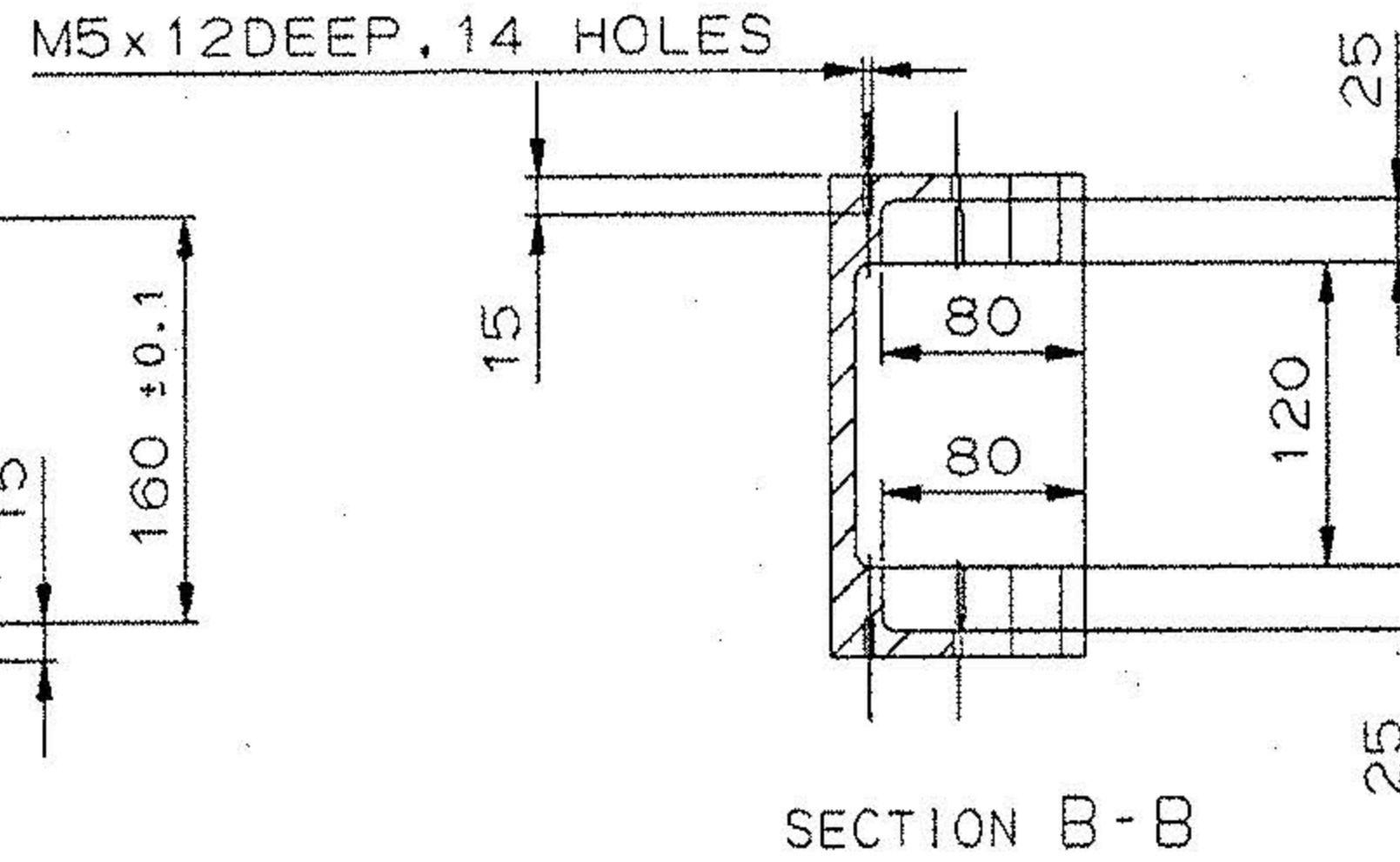
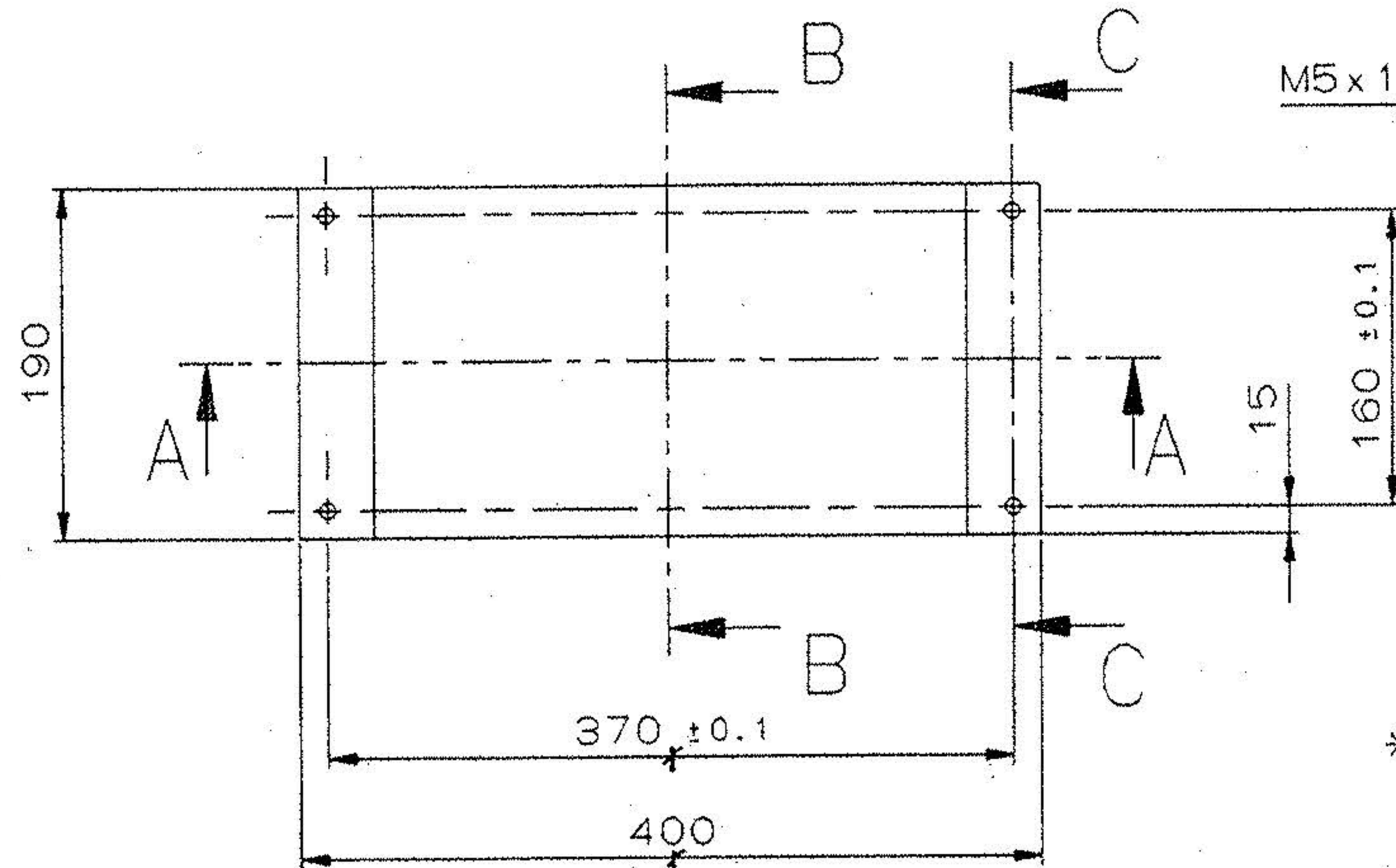
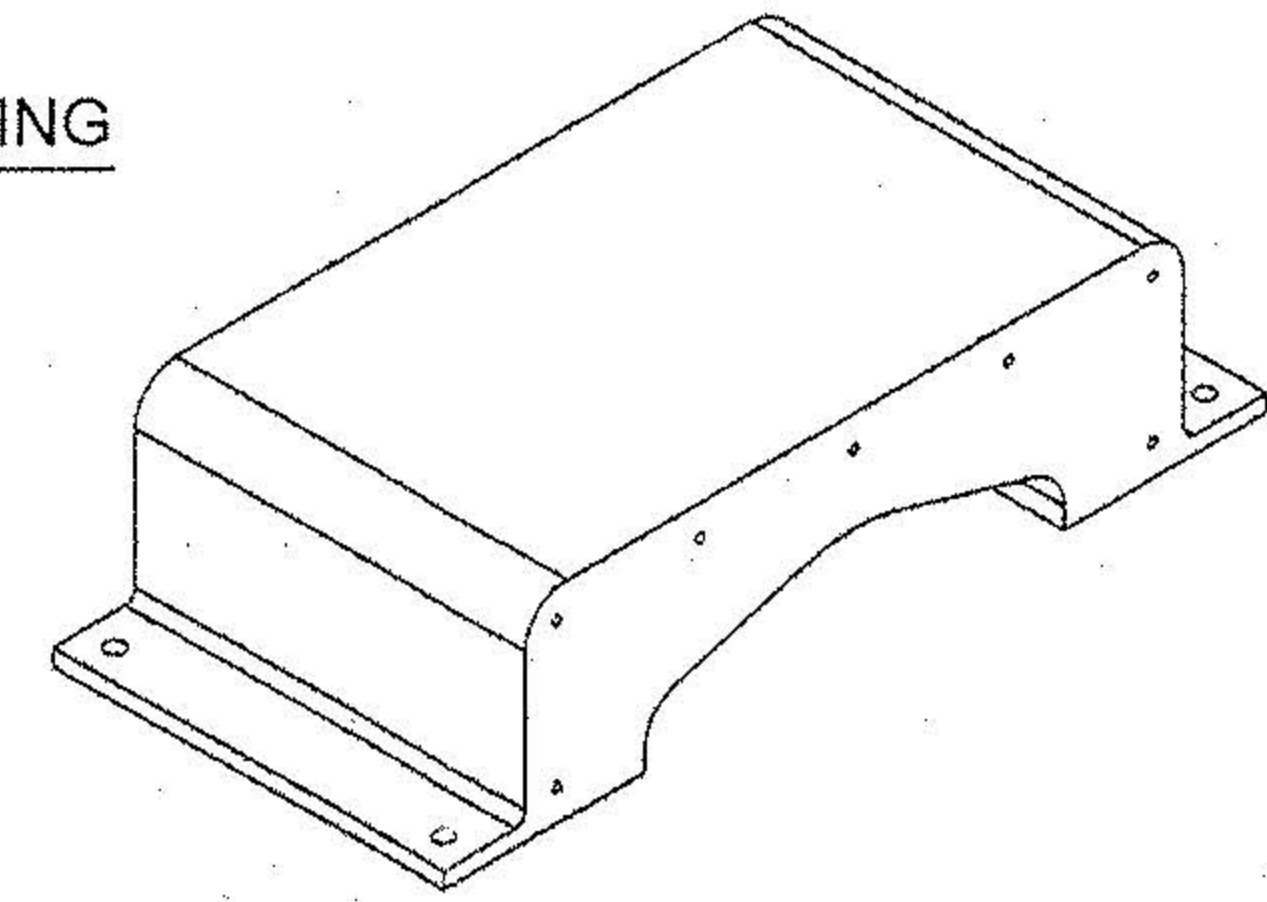


REVISION-I

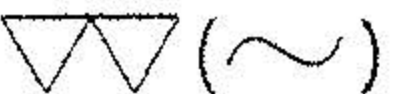
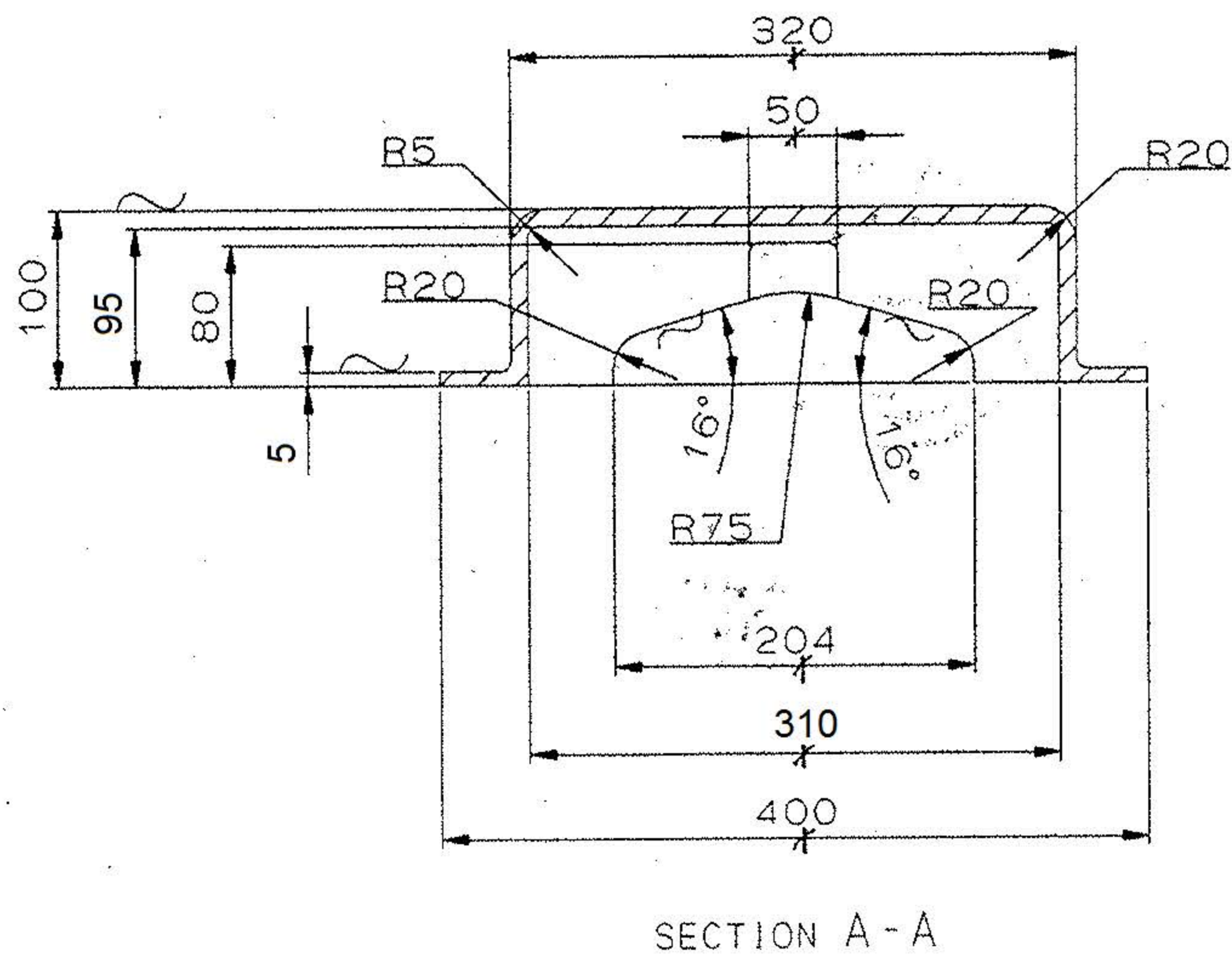


GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100



\*\*\* PHOSPHATING AND PAINTING

- PHOSPHATING TO BE DONE AS PER IS:3618 CLASS B
- PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
- PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134



1	COVER - I				***
No.OFF	DESCRIPTION	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE					
LINEAR DIMENSIONS					
0-6	±0.1				
6-30	±0.2				
30-120	±0.3				
120-315	±0.5				
315-1000	±0.8				
1000-2000	±1.2				
ANGULAR DIMENSION					
1-10	±1'				
10-50	±30'				
50-100	±20'				
>100	±10'				
VALUE IN "µm"					
~	>25				
▽	8-25				
▽▽	1.6-8				
▽▽▽	0.025-1.6				
▽▽▽▽	<0.025				
(G Ramesh) Commander Chief Inspector of Naval Armament for Controller of Naval Armament Inspection					
COVER - I		SCALE	DRAWN	DATE	NAME
LR-MR LAUNCHER		1:1	11	02.02.09	VIJAY
GENERAL ASSY		CHECKED			
KAVACH MOD - II		APPROVED			
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH		DESIGN OFFICE	DRAWING No., DW-1108-0004-13		

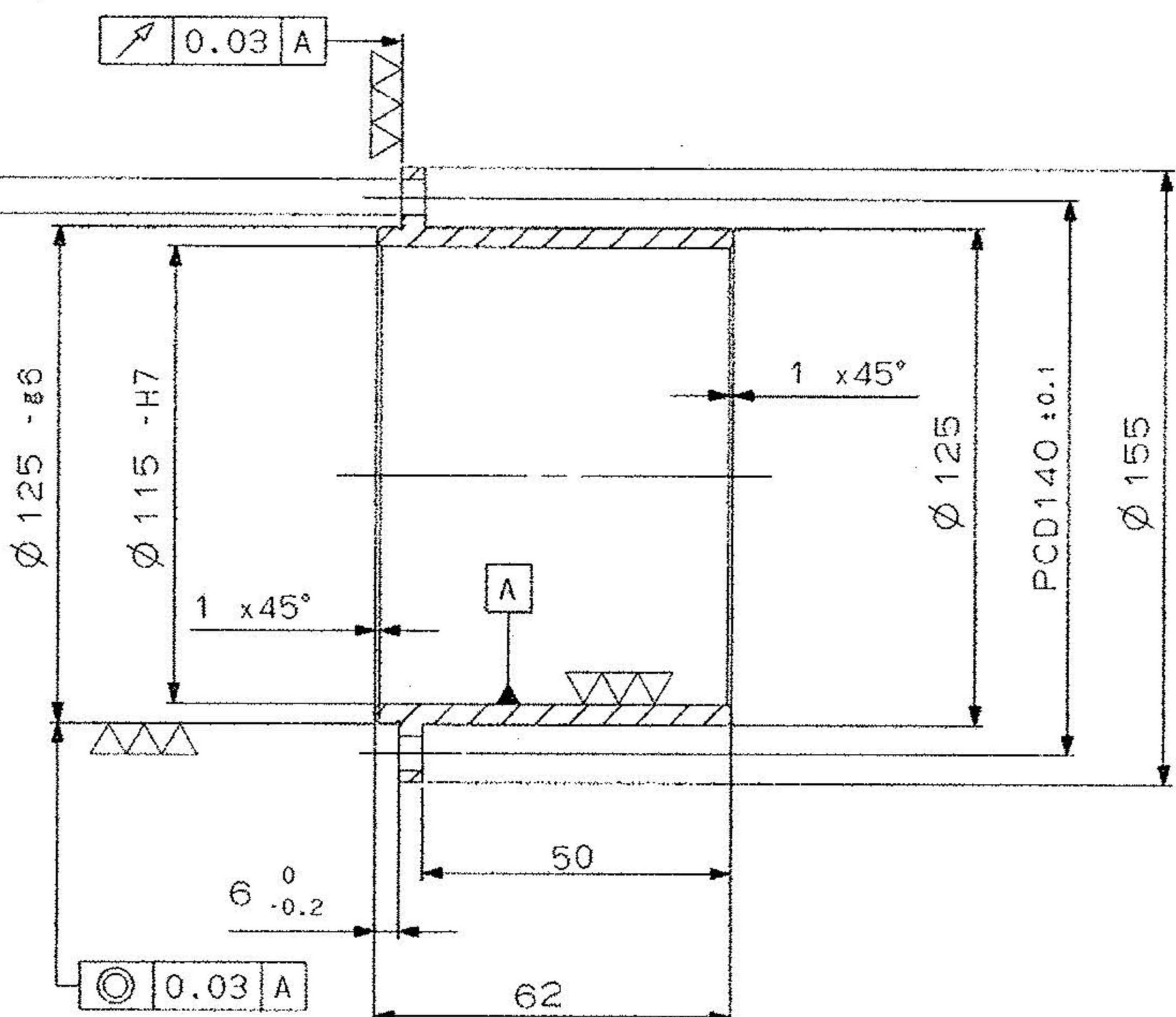
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NOMINAL SIZE & FIT	DEVIATION



REVISION - I

Ø 9 - 6 HOLES  
EQUISPACED

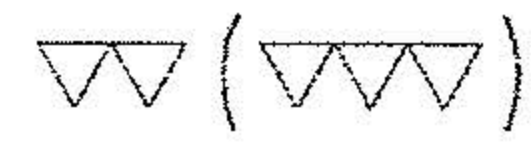


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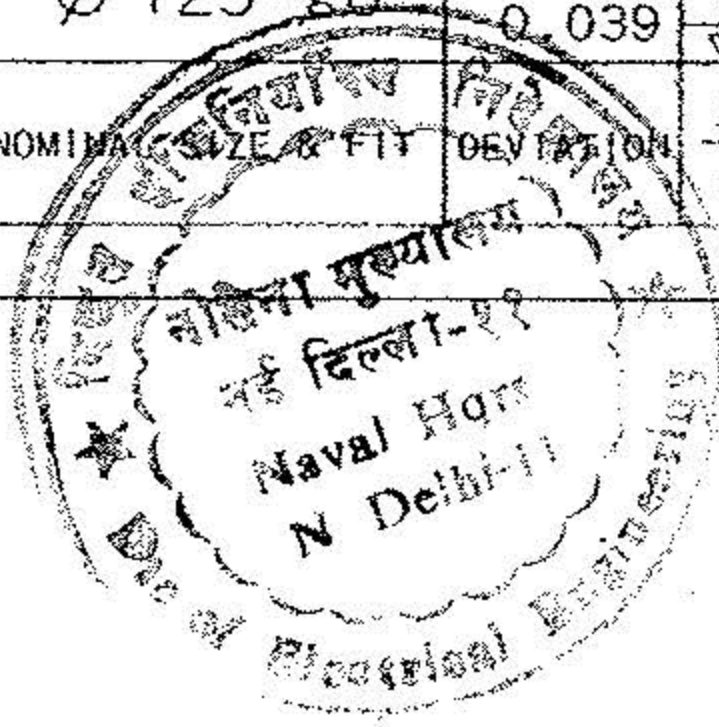
PHOSPHATING  
PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-A1

\*\*\* MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING

ALT. MATL:- Gr A2 BS:3100 OR 40C8,IS:5517



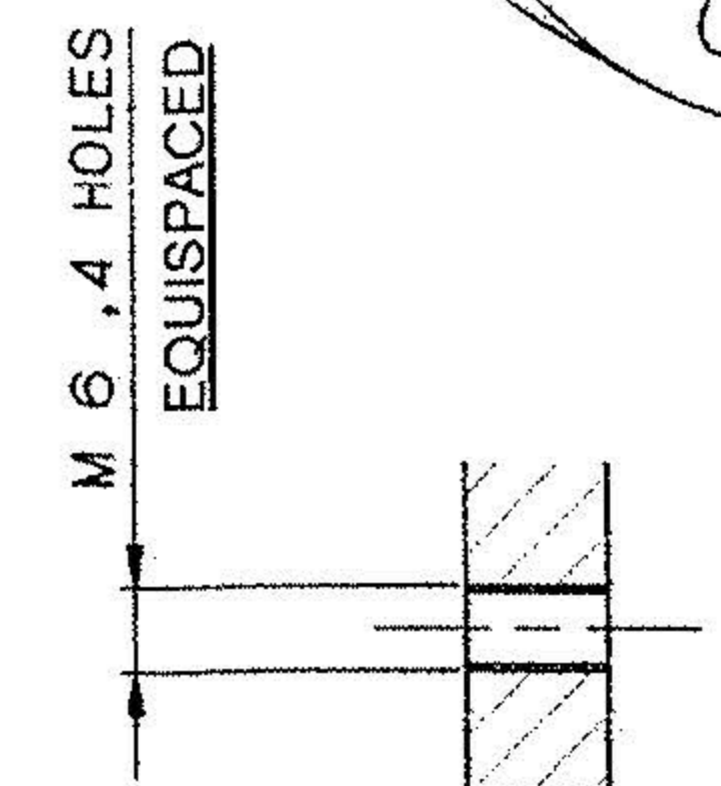
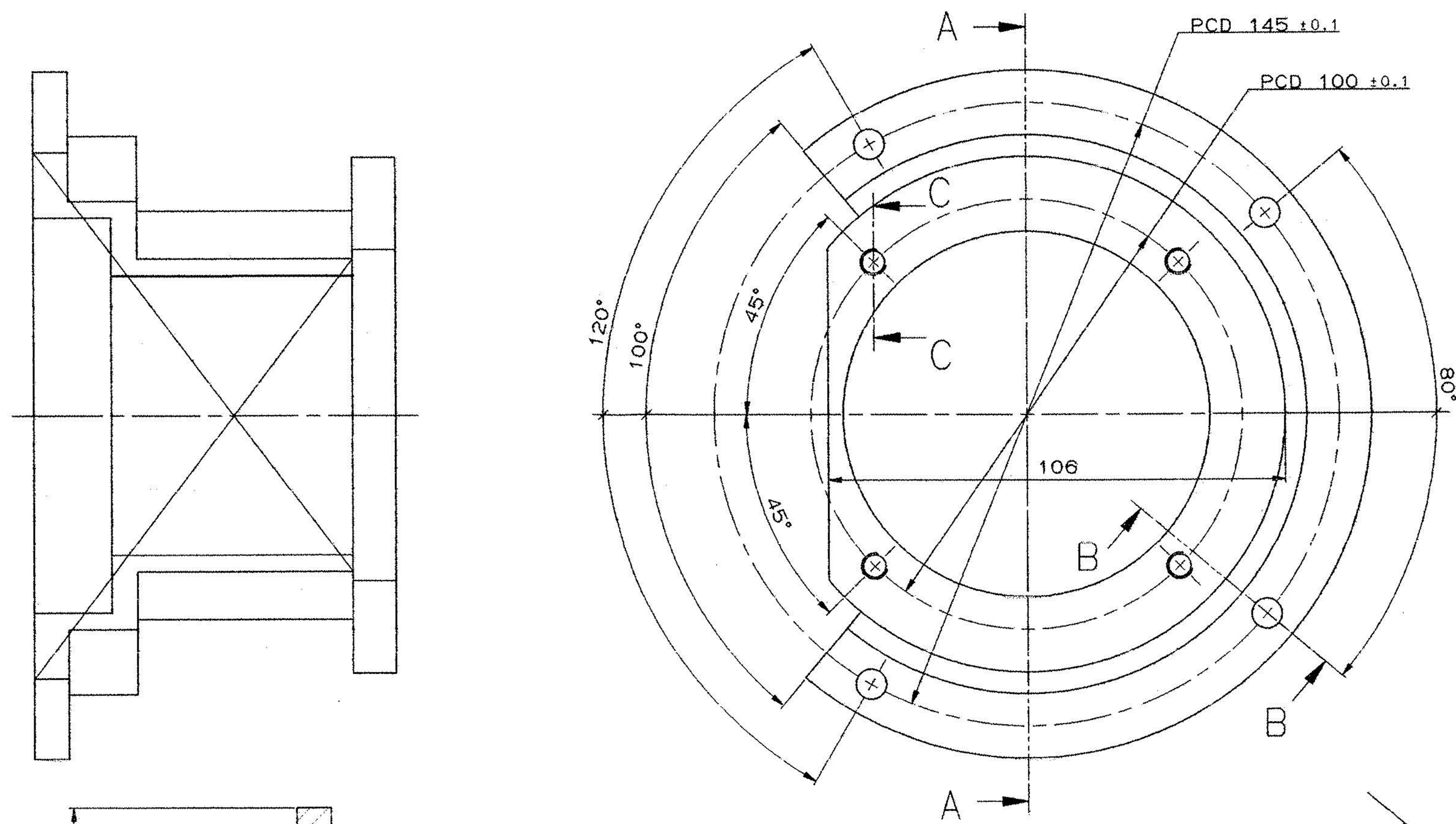
1	BUSH	***	**
NO.OFF	DESCRIPTION	PART NO.	MATERIAL & STD.
GENERAL TOLERANCE			
LINEAR DIMENSIONS			
0-6	±0.1		
6-30	±0.2		
30-120	±0.3		
120-315	±0.5	1	DW-1109-0000-11(SR) REVISION-I ALTERNATE MATERIAL 40C8, IS:5517 ADDED
315-1000	±0.8	1	DW-1108-0000-11(LR-MR) REVISION-I DIM 50 WAS 78, DIM 62 WAS 90.
1000-2000	±1.2		
ANGULAR DIMENSION	NO. OFF	ORG. NO.OF ASSOCIATED PART	INDEX ALTERATION
1-10	±1'		
10-50	±20"		
50-100	±20"		
>100	±10"		
VALUE IN "um"			
~	25		
∇	8-25		
∇∇	1.6-8		
∇∇∇	0.025-1.6		
∇∇∇∇	<0.025		
NOMINAL SIZE & FIT	DEVIATION		
Ø 115-H7	+0.035 0		
Ø 125-H6	-0.014 0.039		
MACHINE TOOL PROTOTYPE FACTORY		Design Office	REPLACED BY
AMBERNATH			REPLACED FOR
			DRAWING NO.
			DW-1108-3005-14



UPDATER

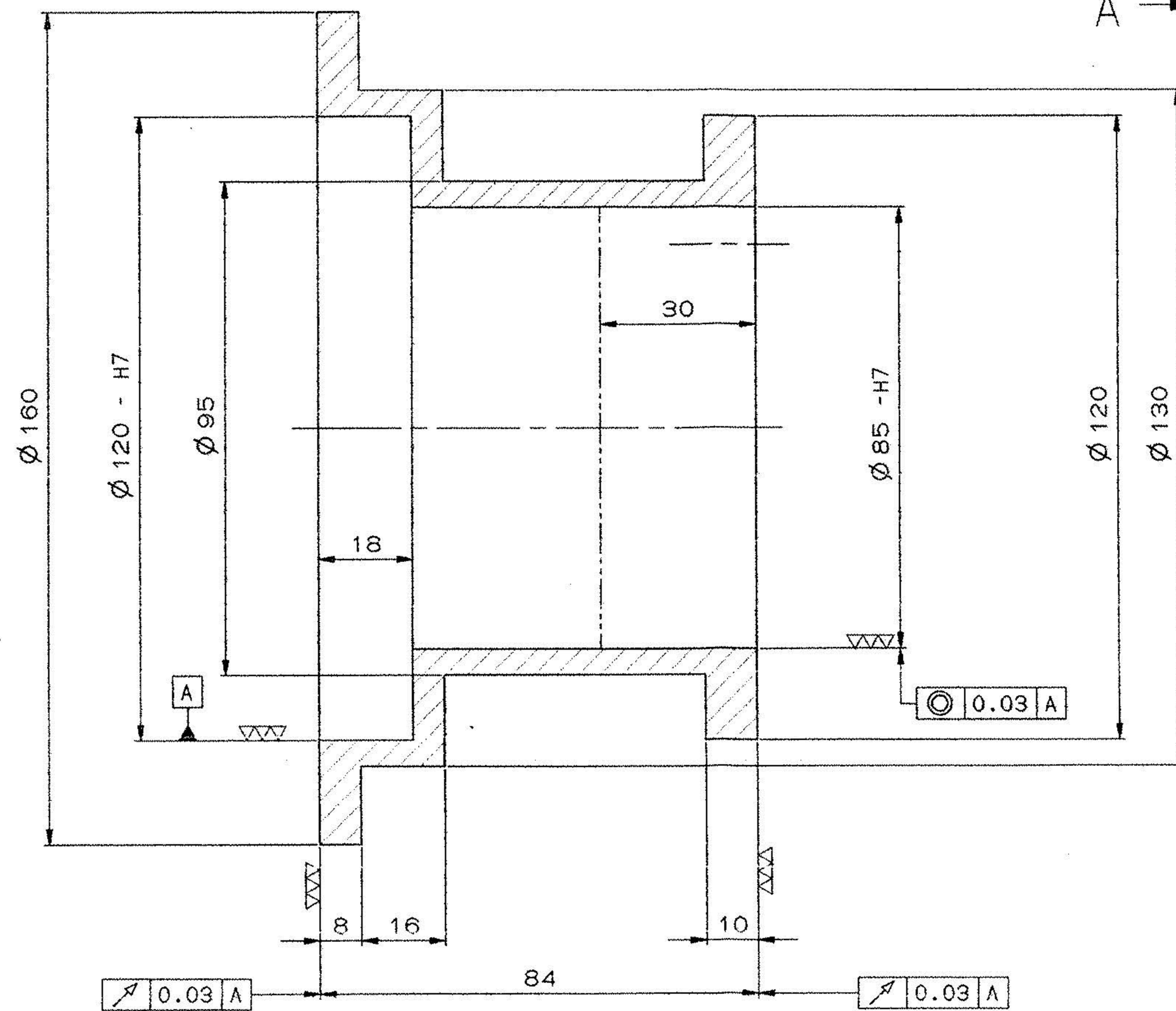
Handwritten signature



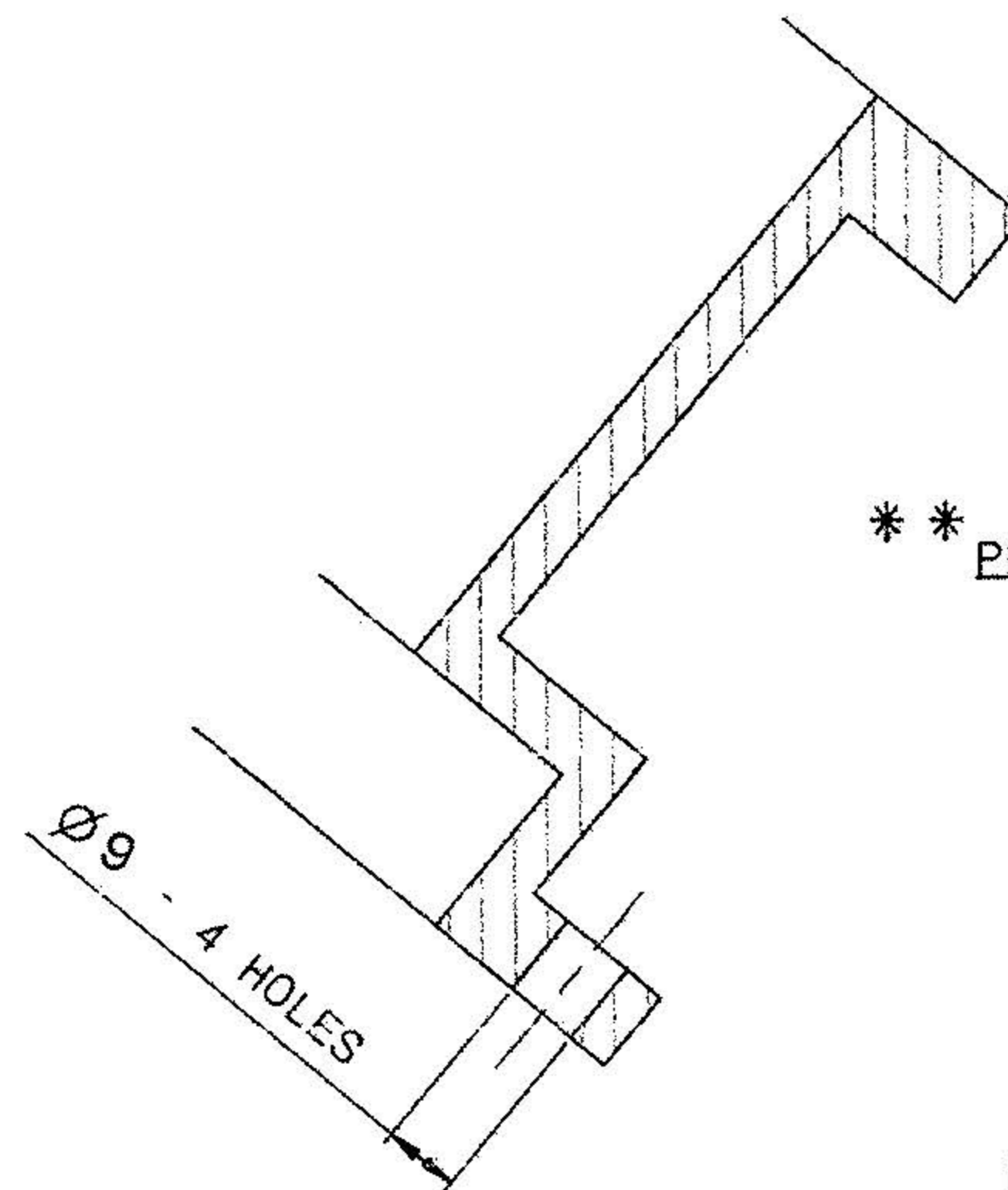


\*\*\*  
GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100

SECTION C-C



SECTION A-A



SECTION B-B

\*\* PHOSPHATING AND PAINTING

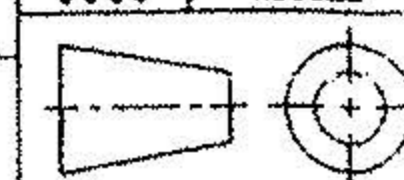
1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
4. DO NOT APPLY PRIMER AND PAINT ON THREAD AND BORE SURFACE HAVING DIA 120 - H7 AND DIA 85 - H7



1		ENCODER HOUSING		***		**	
No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS	
GENERAL TOLERANCE							
LINEAR DIMENSIONS							
0-6	±0.1						
6-30	±0.2						
30-120	±0.3						
120-315	±0.5						
315-1000	±0.8						
1000-2000	±1.2						
ANGULAR DIMENSION		No. OFF	DRG. No. OF ASSOCIATED PART	INDEX	ALTERATION	DATE	NAME
1-10	±1'						
10-50	±30'						
50-100	±20'						
>100	±10'						
VALUE IN "um"							
~	≥25						
∇	8-25						
▽	1.6 B						
▽▽	0.025-1.6						
▽▽▽	<0.025						
ENCODER HOUSING				SCALE	DRAWN	02.01.09	VJL
ELEVATING DRIVE ASSY.				1:1	CHECKED	"	Sp
LR-MR LAUNCHER				APPROVED			
KAVACH MOD-11				REPLACED BY	REVISION		
MACHINE TOOL PROTOTYPE FACTORY,				DESIGN	DRAWING No.		
AMBERNATH				OFFICE	DW-1108-4001-12		

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NOMINAL SIZE & FIT	DEVIATION
∅ 85-H7	+0.040 0
∅ 120-H7	+0.040 0

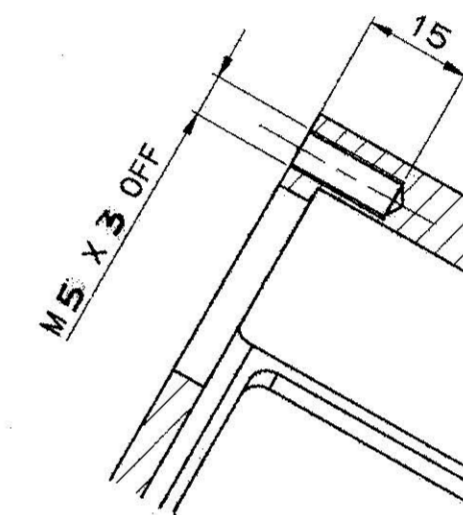
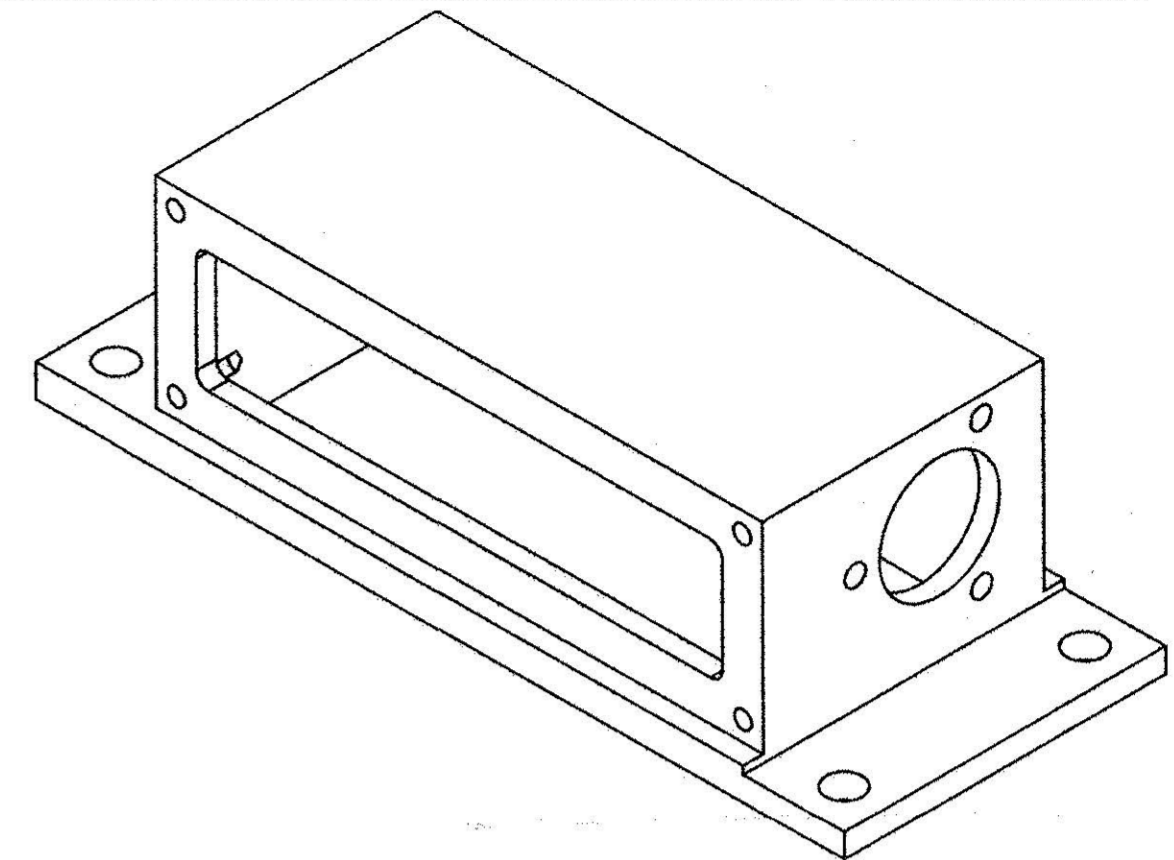
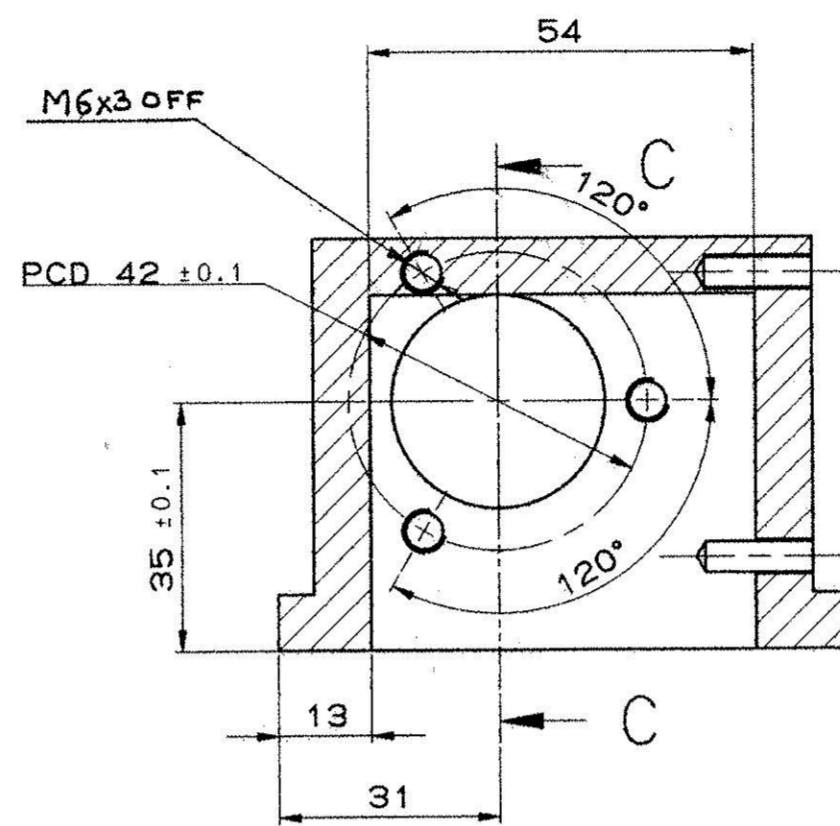
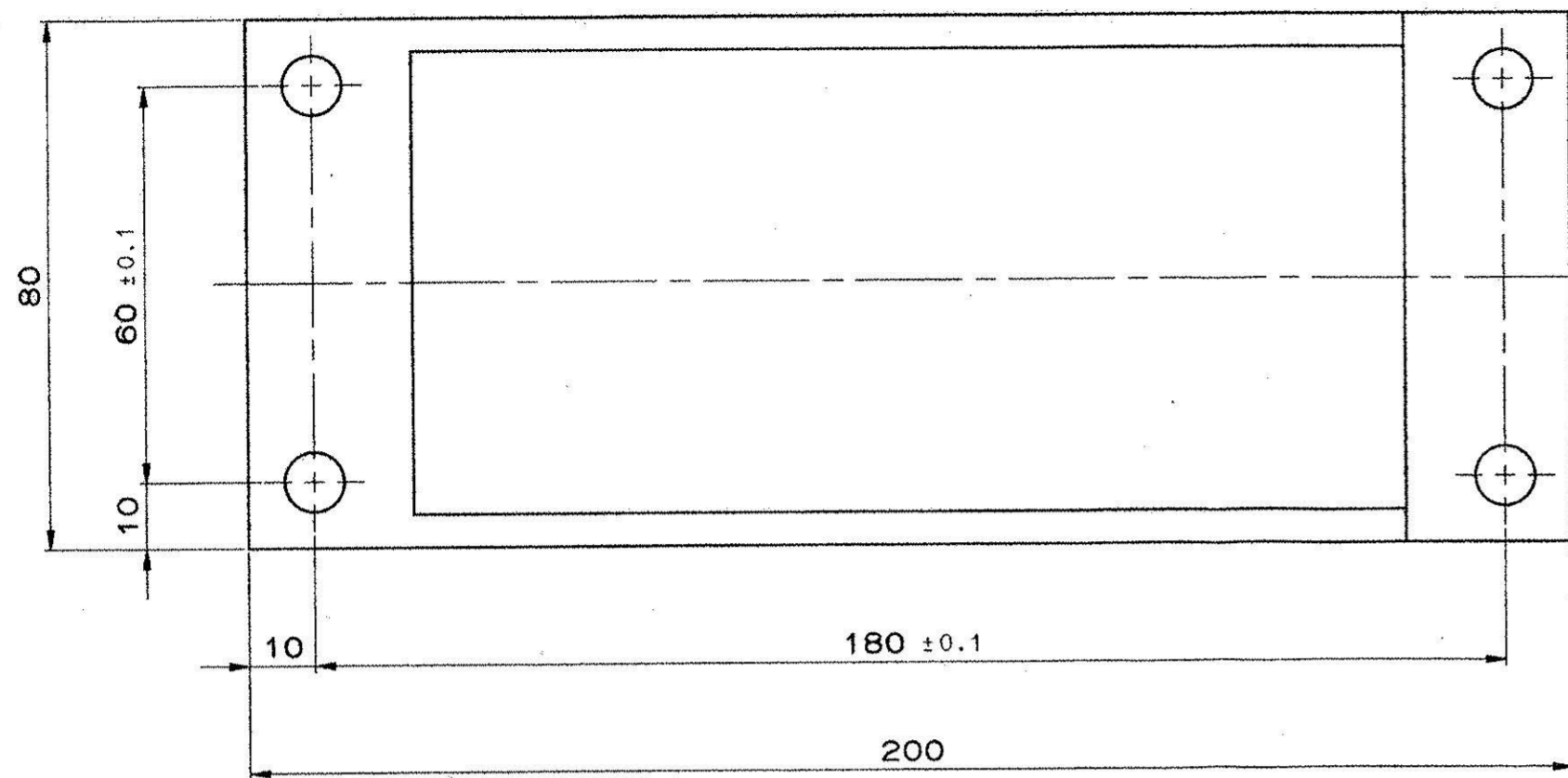


MACHINE TOOL PROTOTYPE FACTORY,  
AMBERNATH

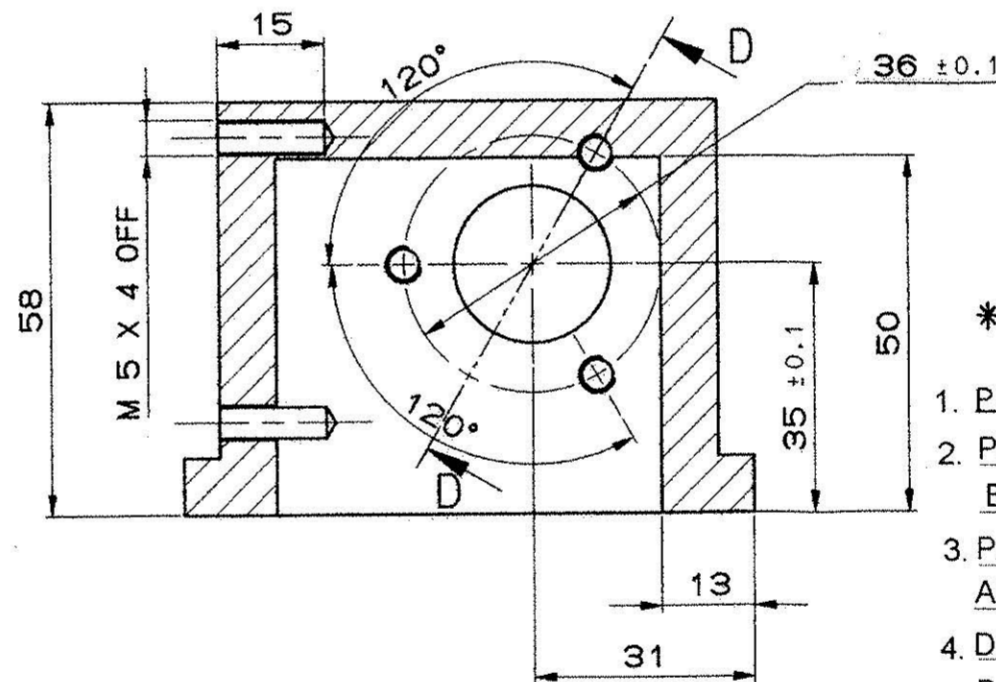
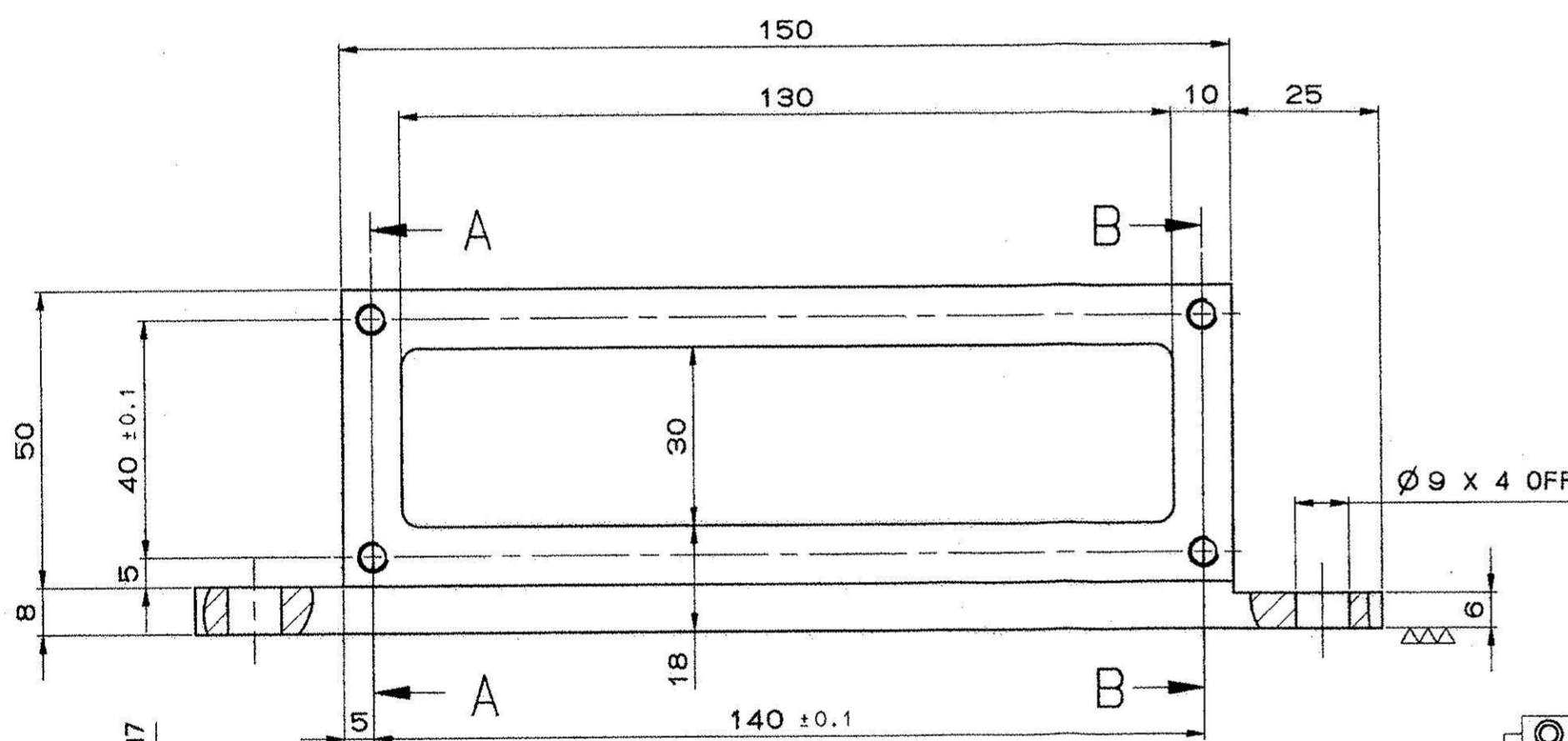
DESIGN OFFICE  
DRAWING No. DW-1108-4001-12

APPROVED





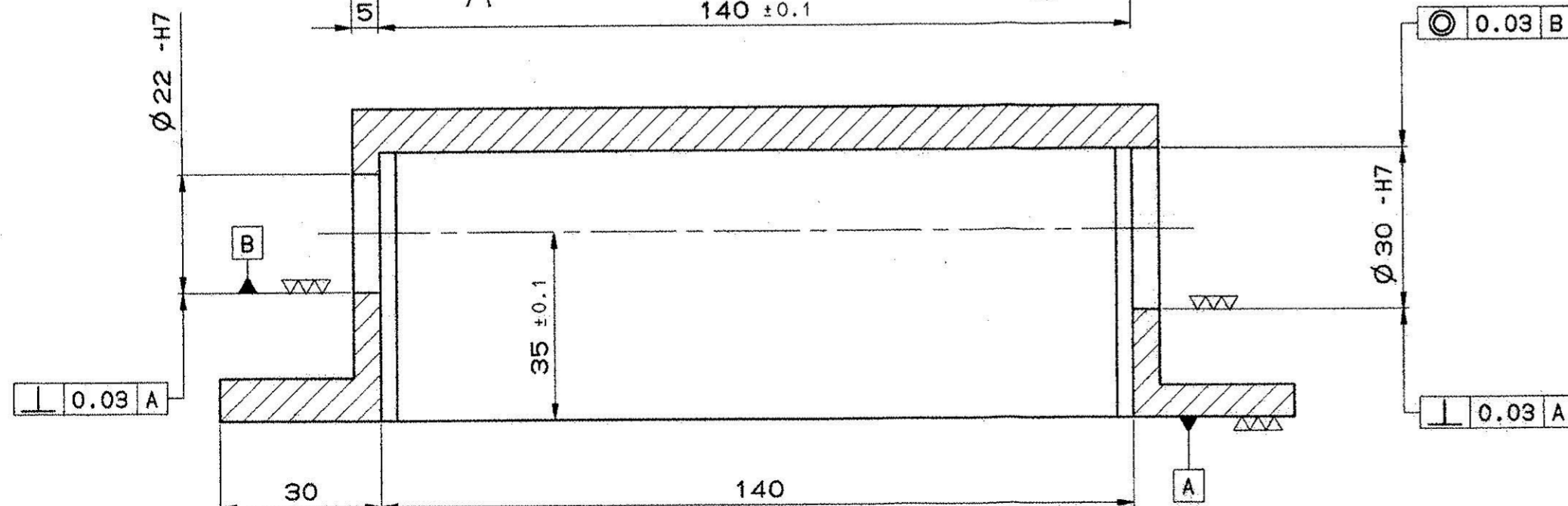
SECTION D-D



SECTION A-A

- \*\* PHOSPHATING AND PAINTING**
1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
  2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
  3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
  4. DO NOT APPLY PRIMER AND PAINT ON THREAD AND BORE SURFACE HAVING DIA 22- H7 AND DIA 30 - H7

**\*\*\* MATERIAL:- GR 280-520W IS:1030-89 TO BE MANUFACTURED FROM CASTING**  
**ALT. MATL:- Gr A2 BS:3100**



SECTION C-C

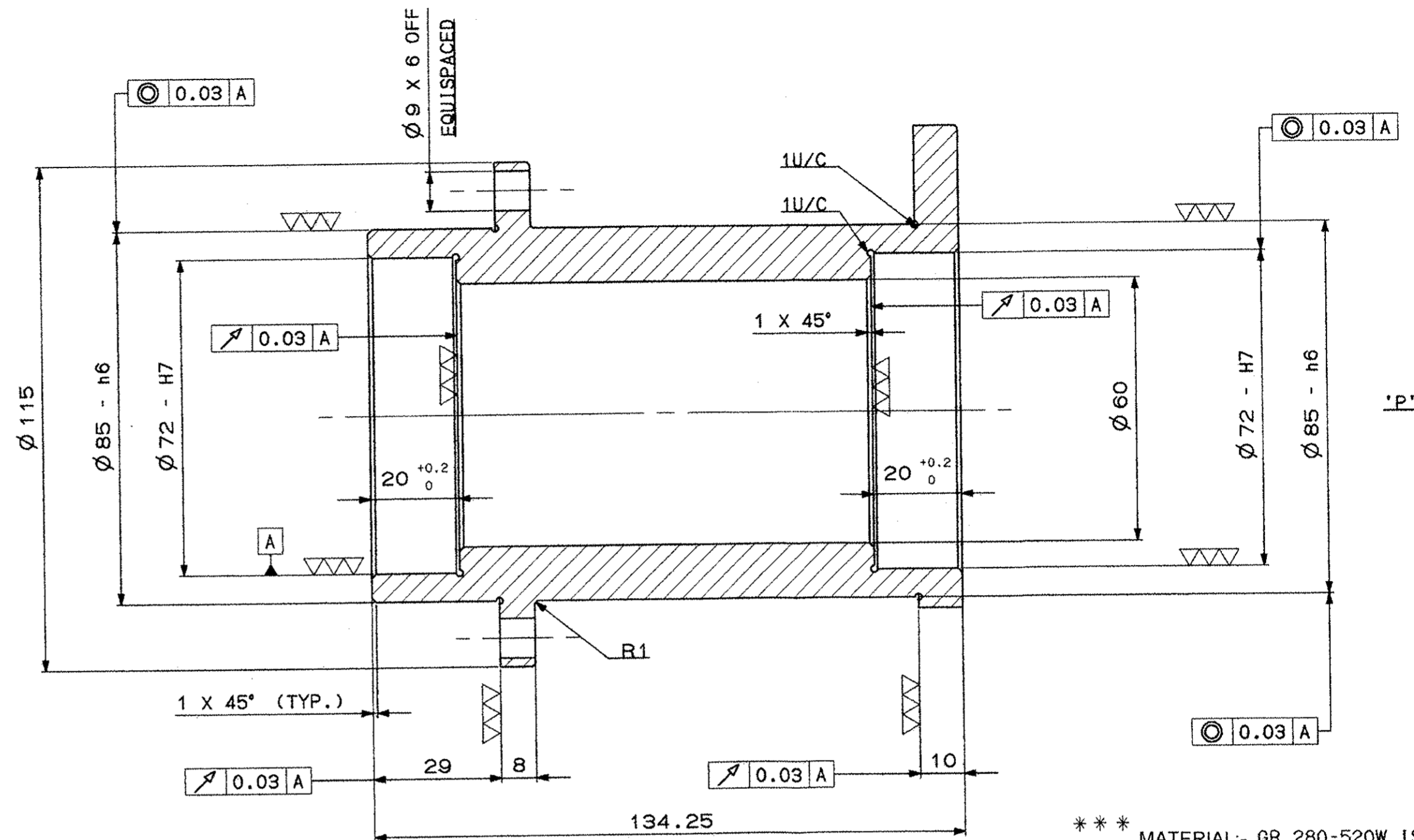
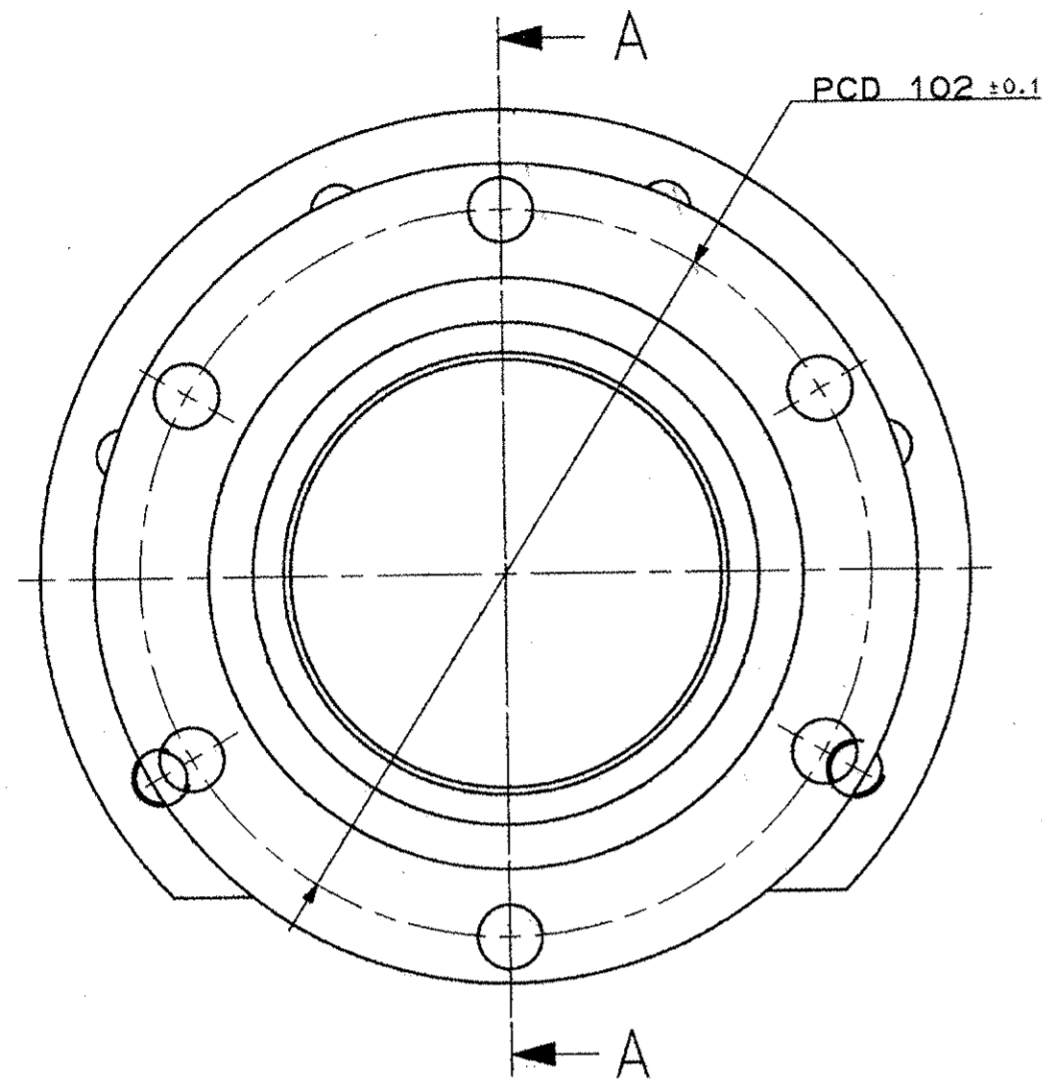
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NOMINAL SIZE & FIT	DEVIATION
Ø 22 -H7	+0.021 0
Ø 30 -H7	+0.025 0

No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
1	BLOCK		***			**
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-8	±0.1					
8-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
1-10	±1'					
10-50	±30"					
50-100	±20"					
>100	±10"					
VALUE IN "um"						
~	≤25					
∇	0-25					
▽▽	1.0-8					
▽▽▽	0.025-1.0					
▽▽▽▽	<0.025					
BLOCK						
ELEVATING DRIVE ASSY.						
LR-MR LAUNCHER						
KAVACH MOD-11						
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH						
SCALE: 1:1						
DRAWN: 02.01.08 VIJAY						
CHECKED: H Jeyap						
APPROVED: 10/10/08						
REPLACED BY: [Signature]						
REPLACED FOR: [Signature]						
REVISION: 0						
DRAWING No.: DW-1108-4022-12						

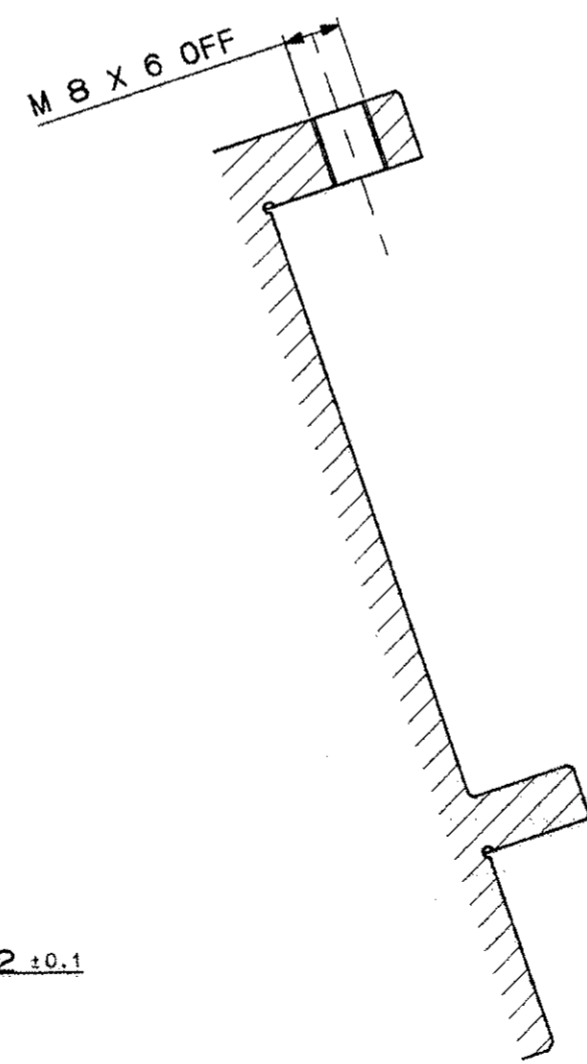
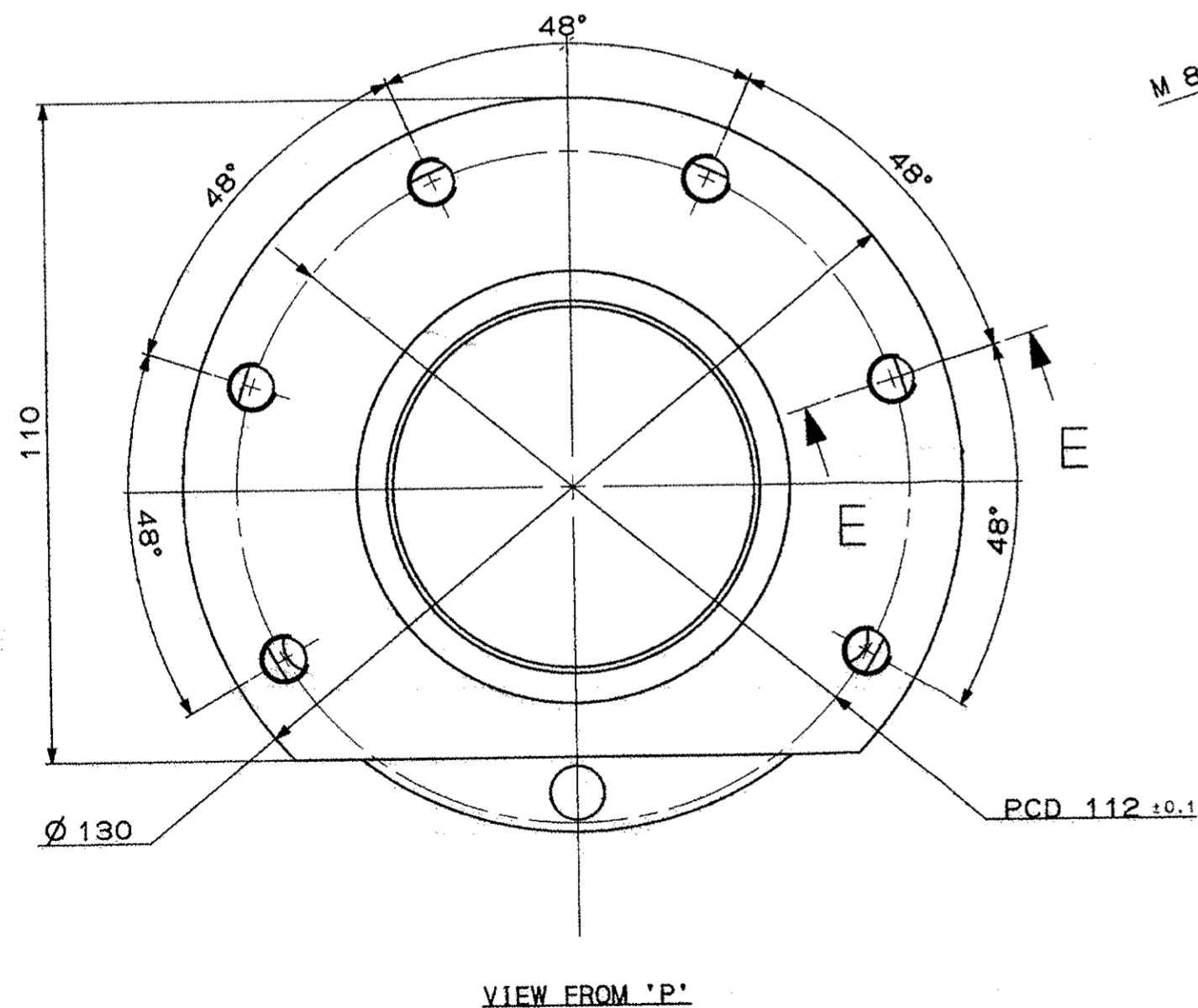
APPROVED





\*\*\* MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100

- \*\* PHOSPHATING AND PAINTING
1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
  2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPFAS PER DW-1134
  3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
  4. DO NOT APPLY PRIMER AND PAINT ON THREADS AND CYLINDRICAL SURFACE HAVING DIA 85 - h6 AND BORE DIA 72.- H7

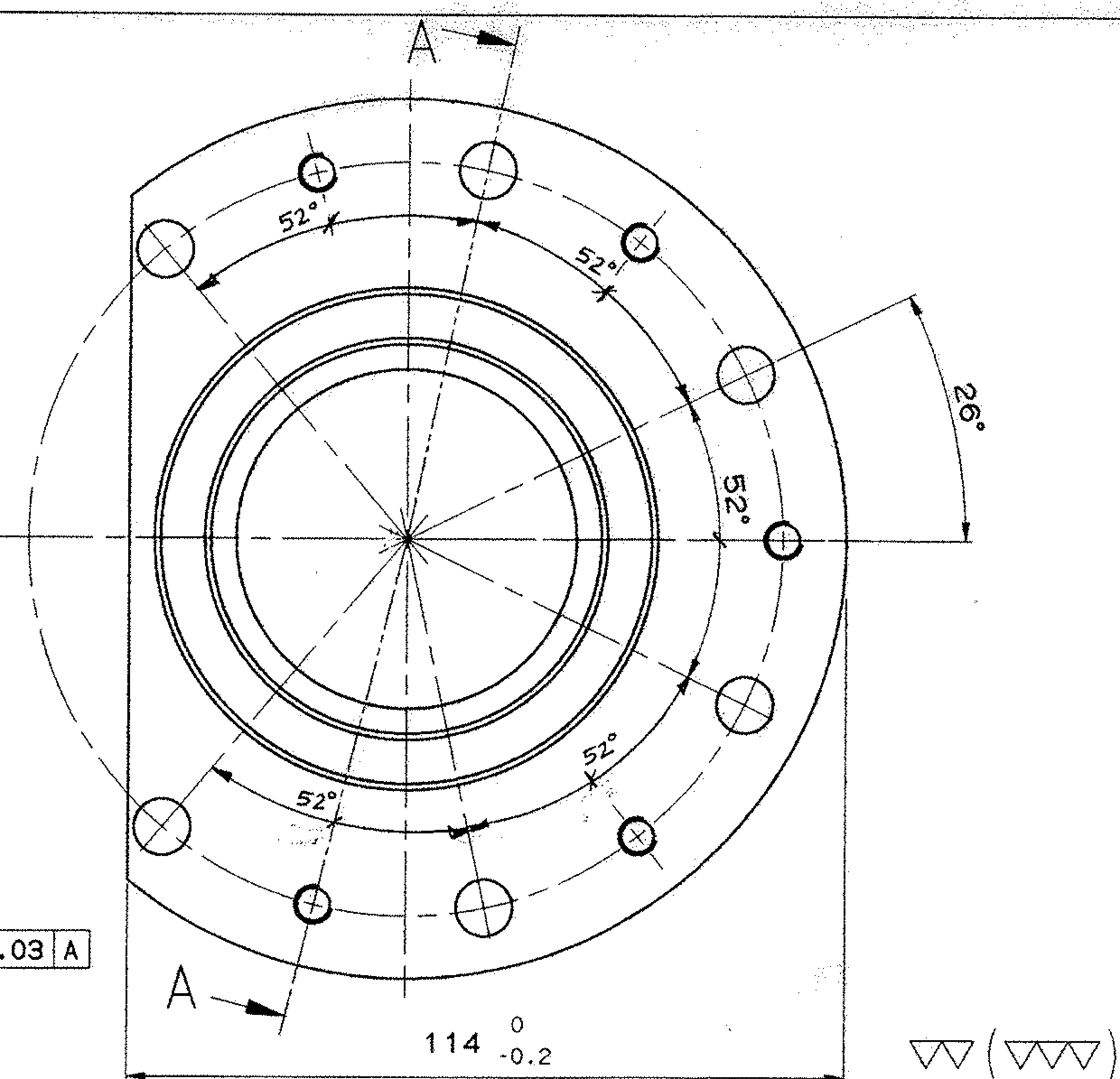
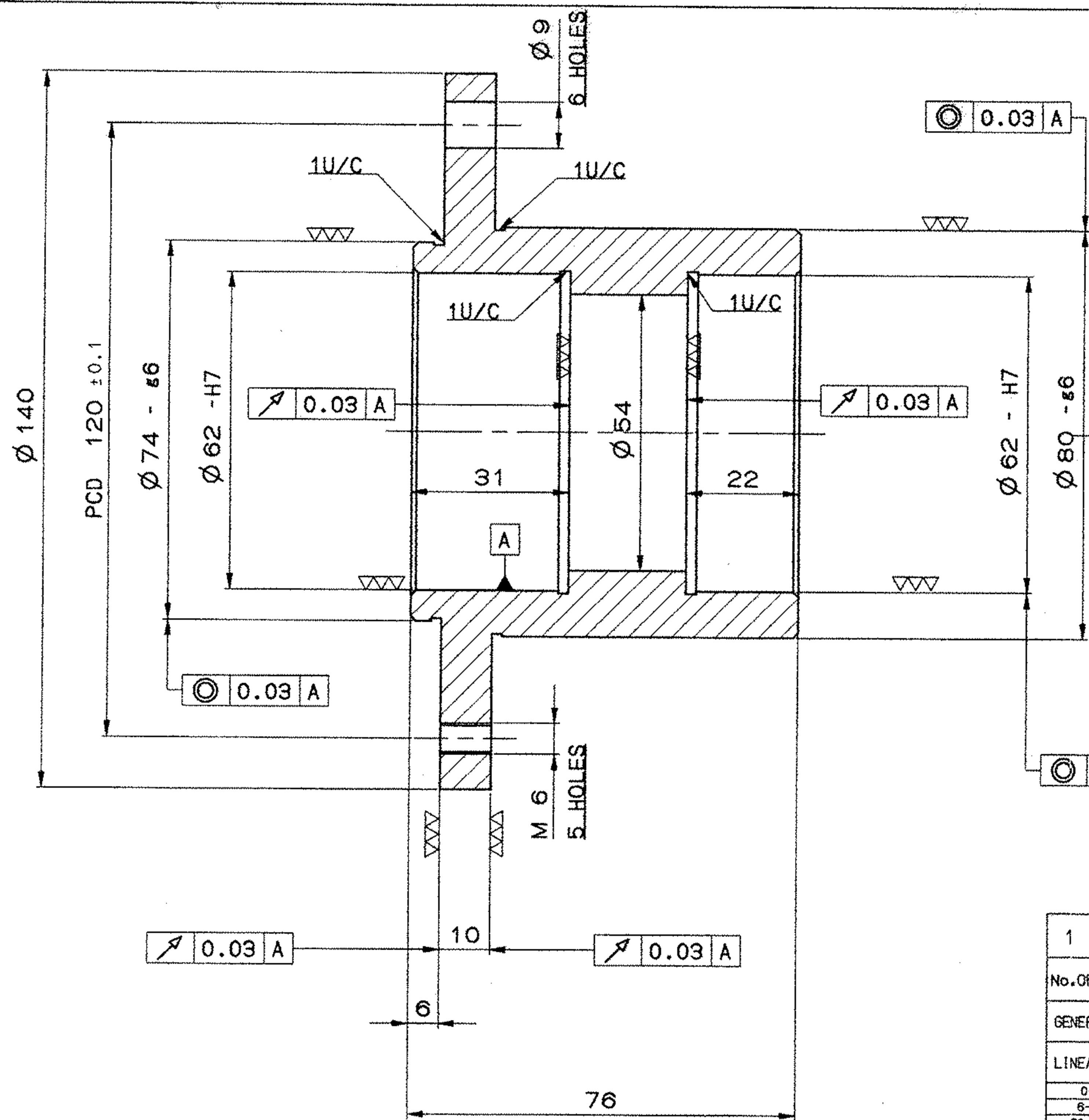


NOMINAL SIZE & FIT	DEVIATION
Ø 72-H7	+0.030
Ø 85-h6	-0.022

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1	HOUSING	***	***	***	***
No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS
GENERAL TOLERANCE					
LINEAR DIMENSIONS					
0-8	±0.1				
8-30	±0.2				
30-120	±0.3				
120-315	±0.5				
315-1000	±0.8				
1000-2000	±1.2				
ANGULAR DIMENSION					
1-10	±1°				
10-50	±30'				
50-100	±20'				
>100	±10'				
VALUE IN "UM"					
~	±25				
∇	8-25				
▽▽	1.6-8				
▽▽▽	0.025-1.6				
▽▽▽▽	<0.025				
No. OFF	DRG. No.	OF ASSOCIATED PART	INDEX	ALTERATION	2006
					DATE
					NAME
HOUSING					
BEVEL SHAFT ASSY					
ELEVATING HAND DRIVE ASSY					
LR-MR LAUNCHER					
KAYACH MOD-1					
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH					
Design Office					
DRAWING No. DW-1108-4501-12					
SCALE 1:1					
DRAWN 02.01.09 VIJAY					
CHECKED 11 Sep					
APPROVED 10/1/09					
REPLACED BY					
REPLACED FOR					

APPROVED



\*\* PHOSPHATING  
PHOSPHATING TO BE DONE AS PER IS:3618 CLASS -A1

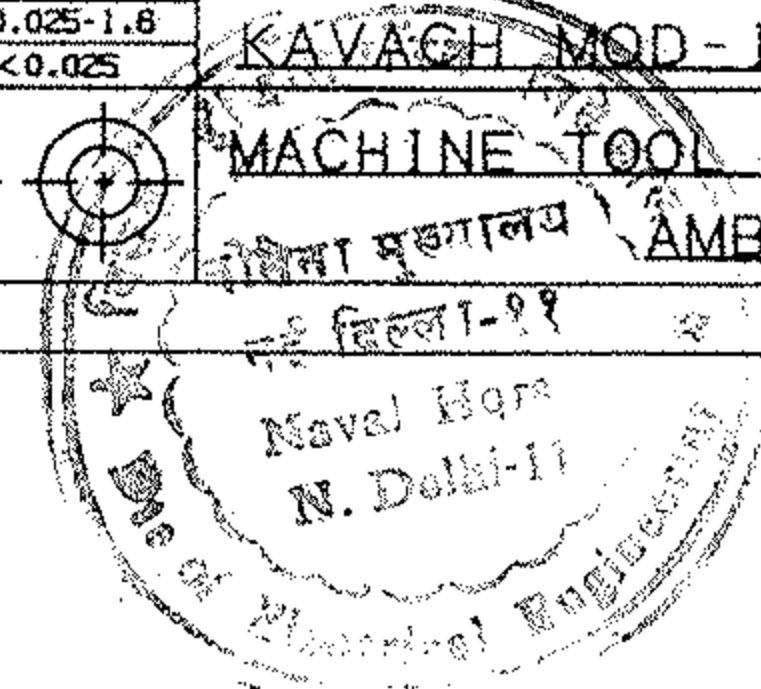
\*\*\* MATERIAL :- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING

ALT. MATL:- Gr A2 BS:3100

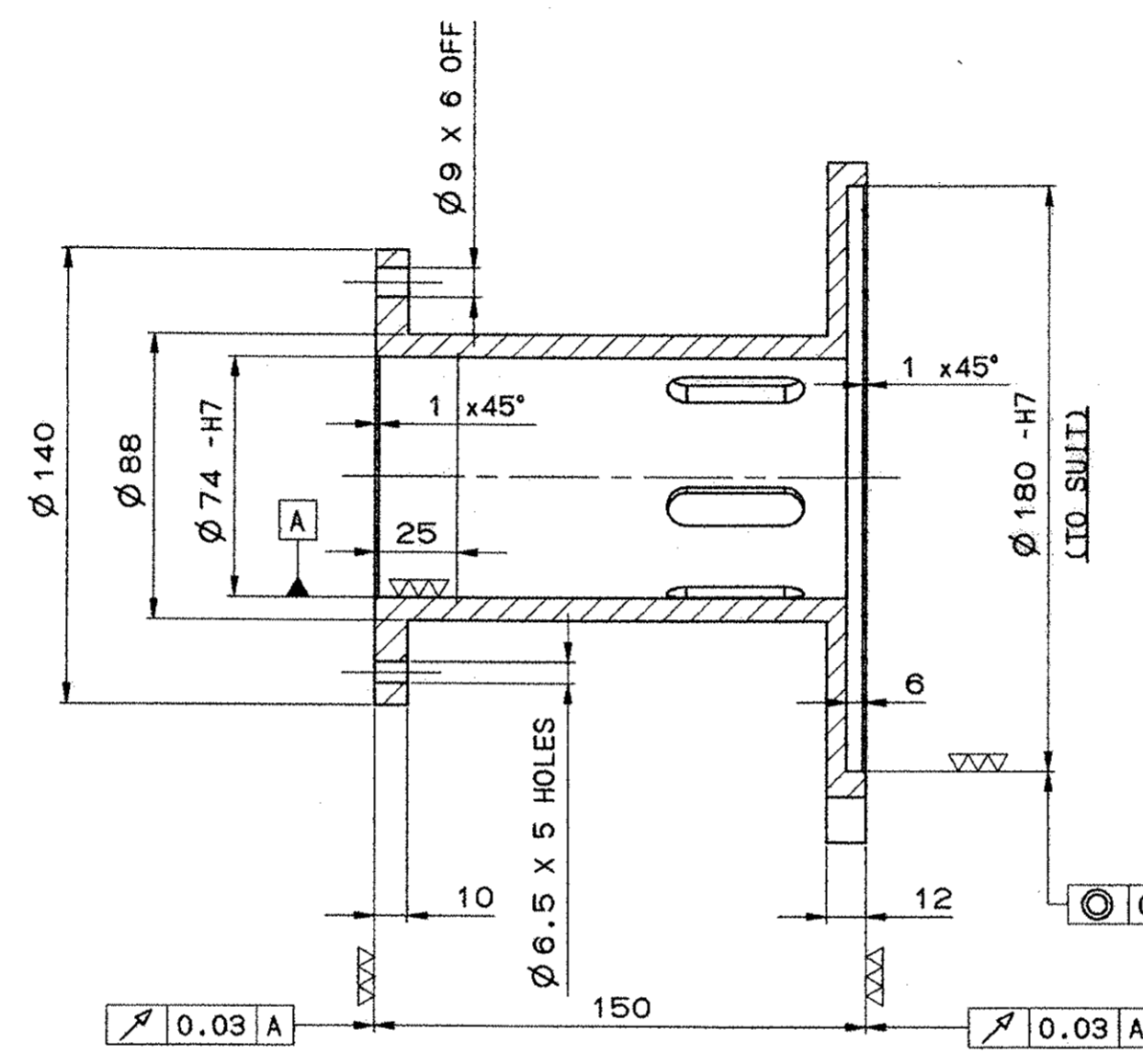
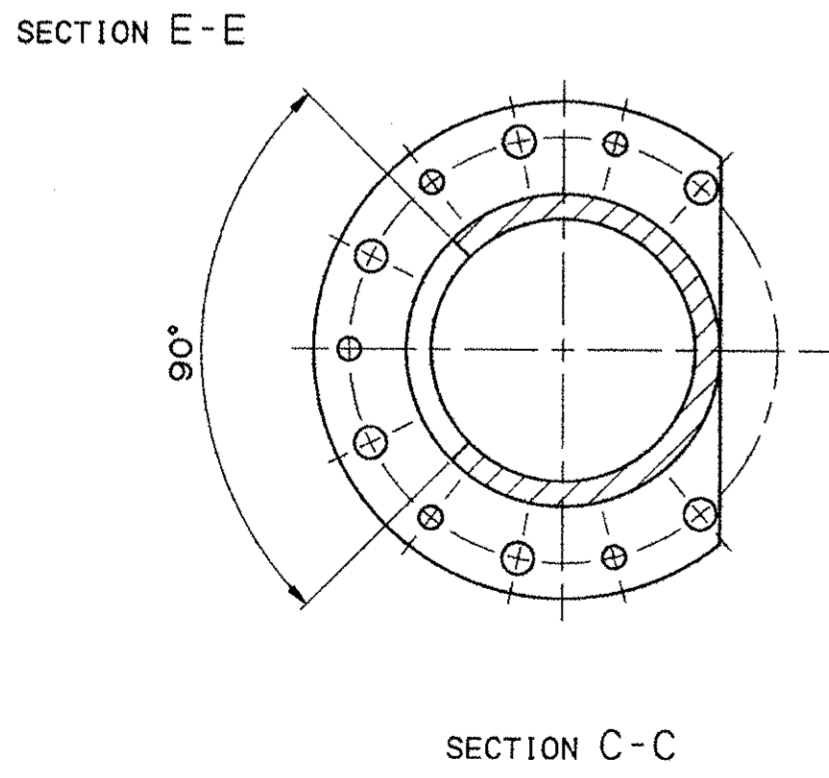
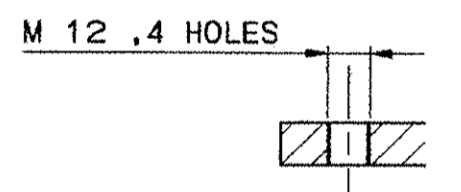
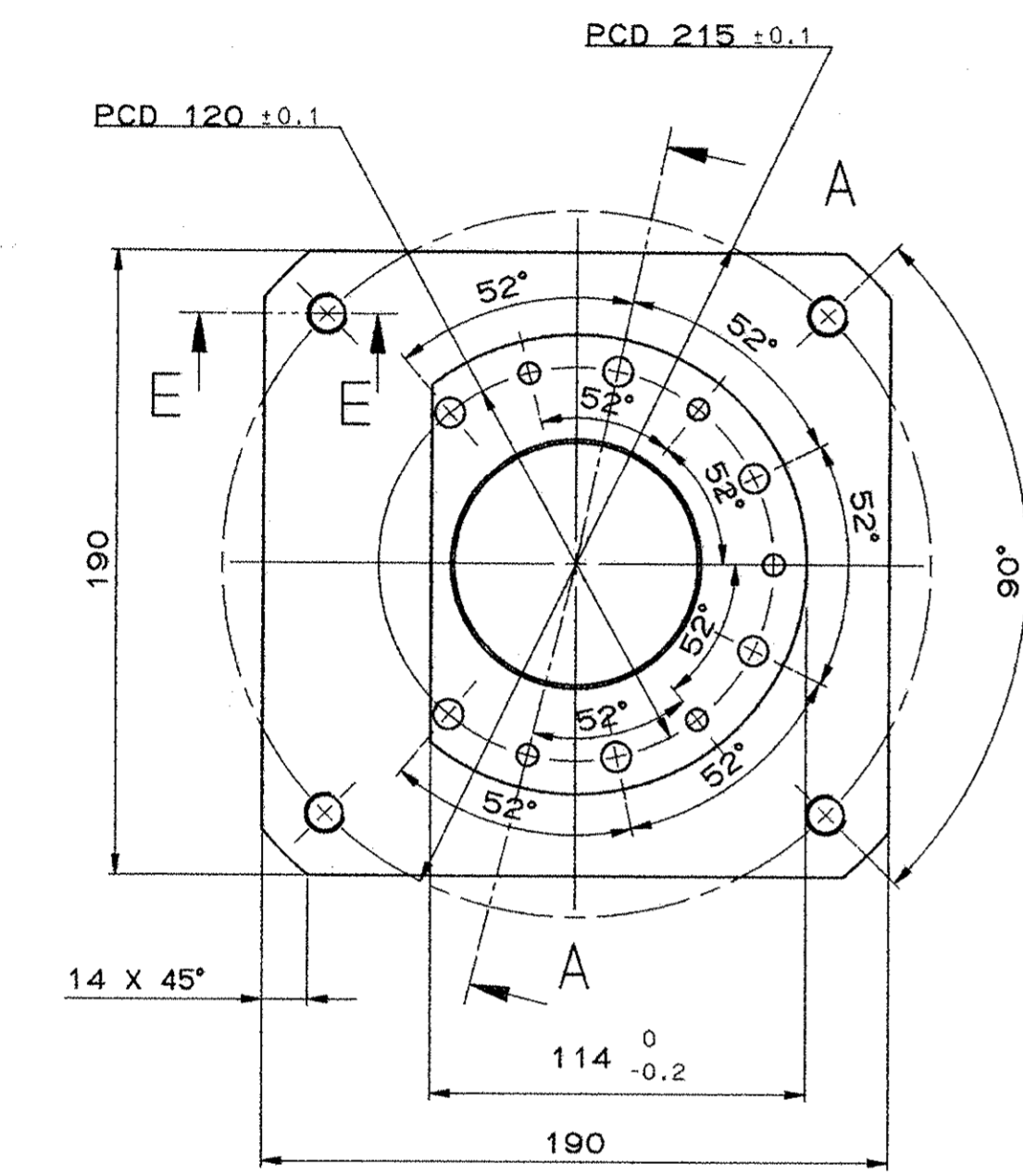
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NOMINAL SIZE & FIT	DEVIATION
$\phi 80 - g6$	-0.012 -0.034
$\phi 74 - g6$	-0.012 -0.034
$\phi 62 - H7$	+0.030 0

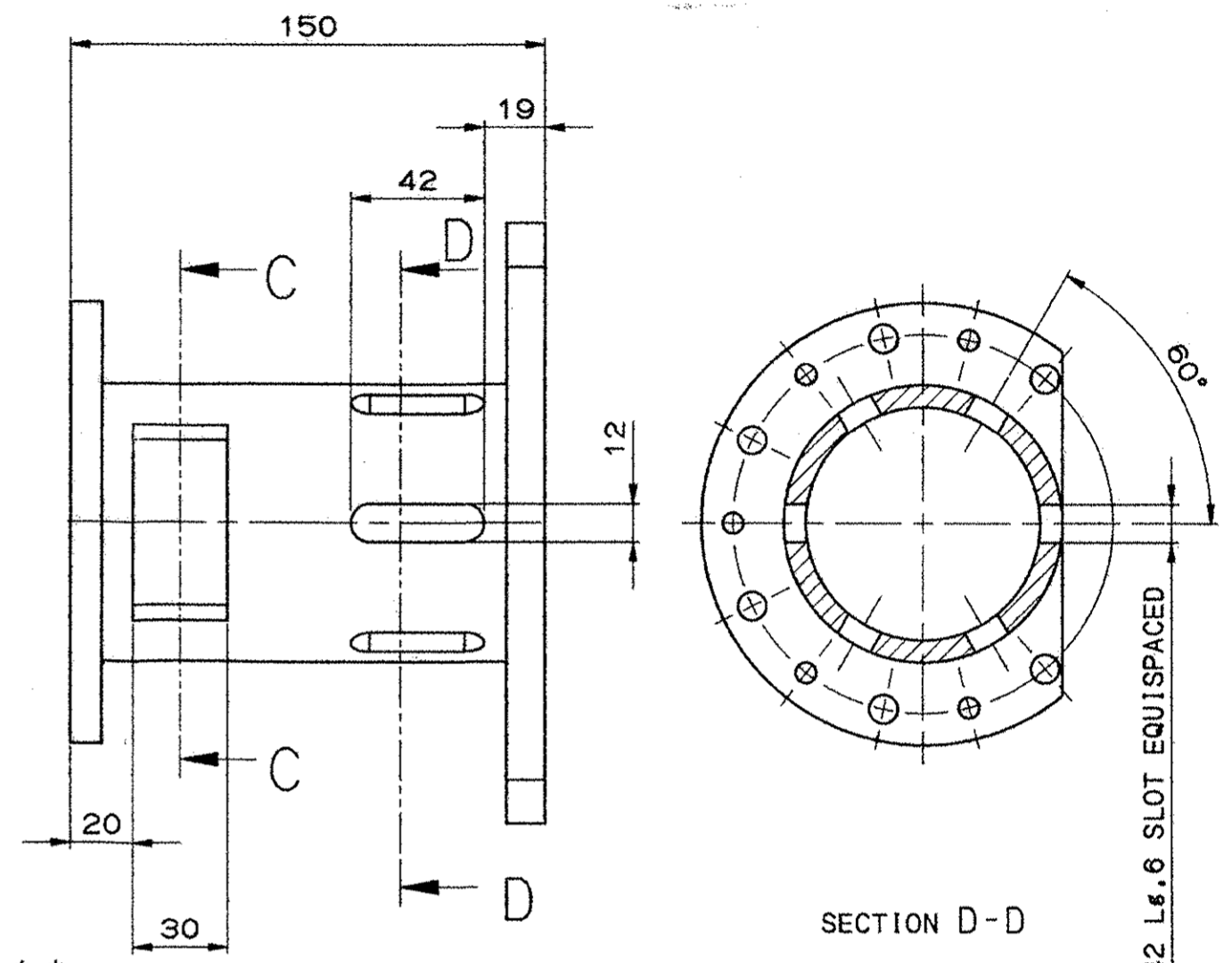
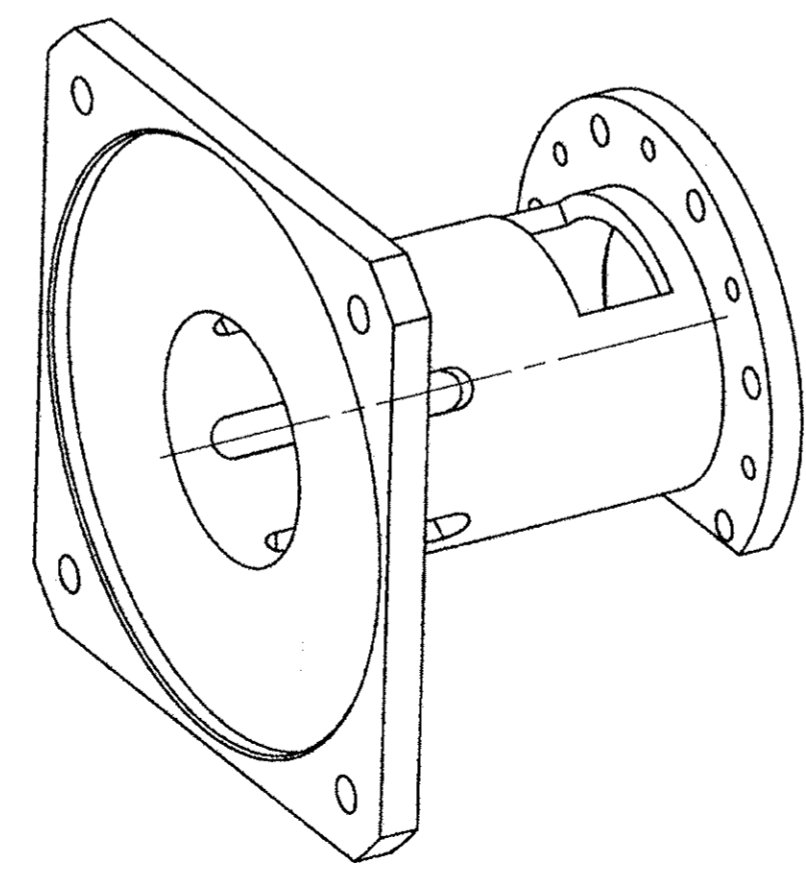
1 BEARING HOUSING		***		**		
No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-6	$\pm 0.1$					
6-30	$\pm 0.2$					
30-120	$\pm 0.3$					
120-315	$\pm 0.5$					
315-1000	$\pm 0.8$					
1000-2000	$\pm 1.2$					
ANGULAR DIMENSION						
1-10	$\pm 1'$					
10-50	$\pm 30'$					
50-100	$\pm 20'$					
>100	$\pm 10'$					
VALUE IN "um"						
~	>25					
▽	8-25					
▽▽	1.6-8					
▽▽▽	0.025-1.6					
▽▽▽▽	<0.025					
No. OFF	DRG. No. OF ASSOCIATED PART	INDEX	ALTERATION	DATE	NAME	
	BEARING HOUSING			02.01.09	v1107	
	MOTOR ASSY					
	ELEVATING DRIVE ASSY.					
	LR-MR LAUNCHER					
	KAVACH MOD-II					
	MACHINE TOOL PROTOTYPE FACTORY,					
	AMBERNATH					
Design Office				DRAWING No.		
				DW-1108-4641-13		



APPROVED



SECTION A-A



SECTION D-D

PHOSPHATING AND PAINTING

1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
4. DO NOT APPLY PRIMER AND PAINT ON THREADS AND BORE HAVING DIA 180 - H7 AND DIA 74 - H7

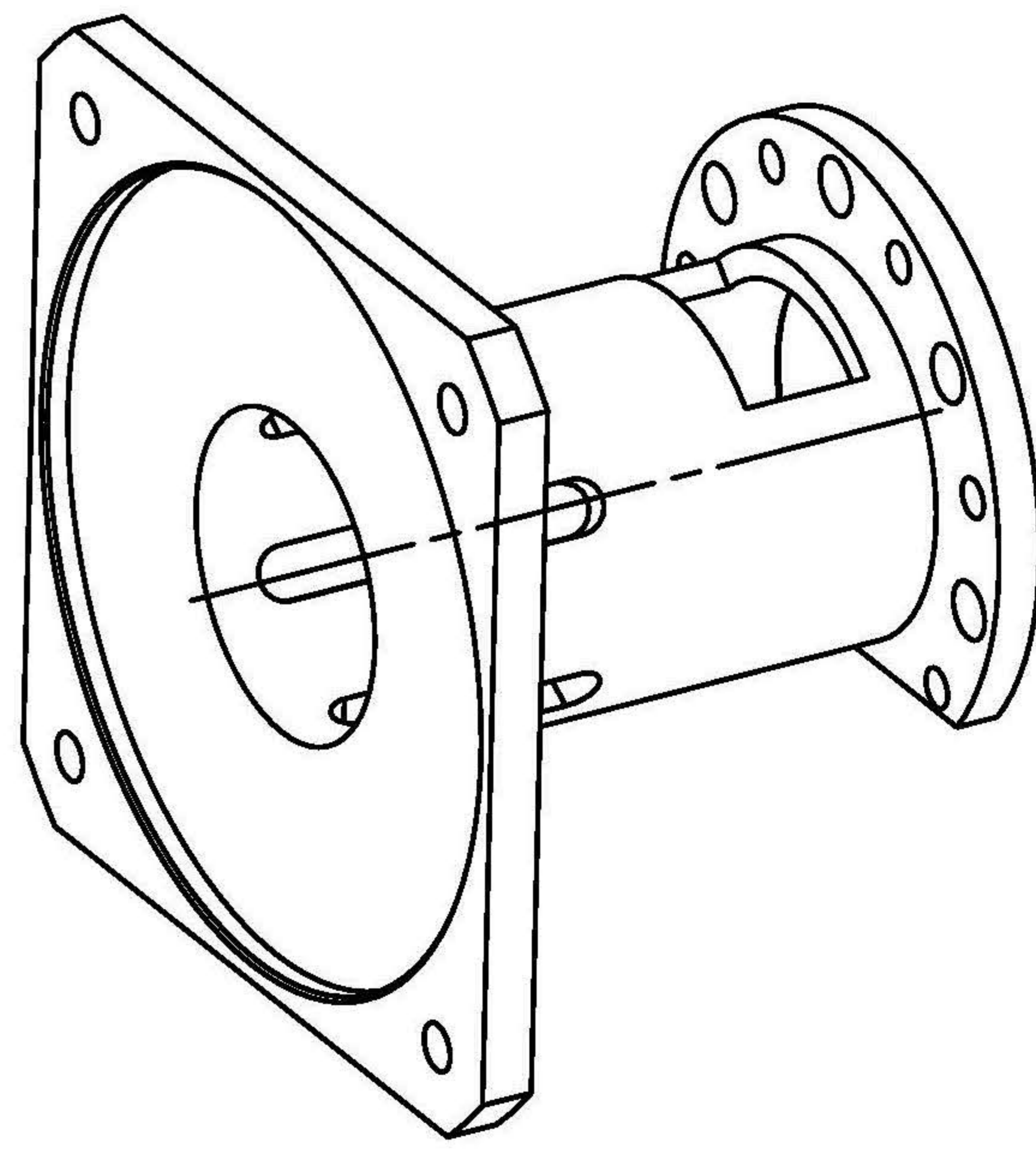
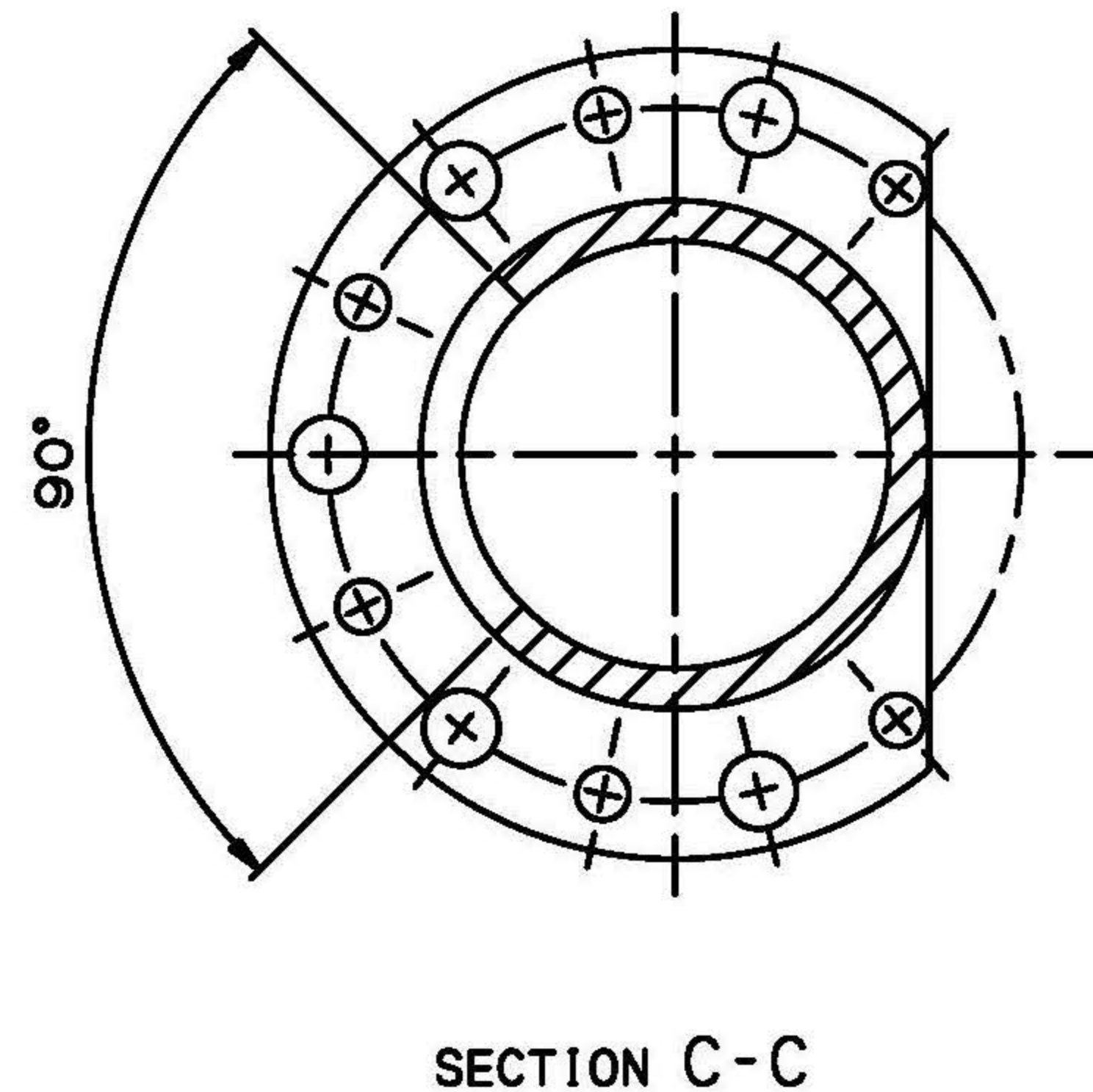
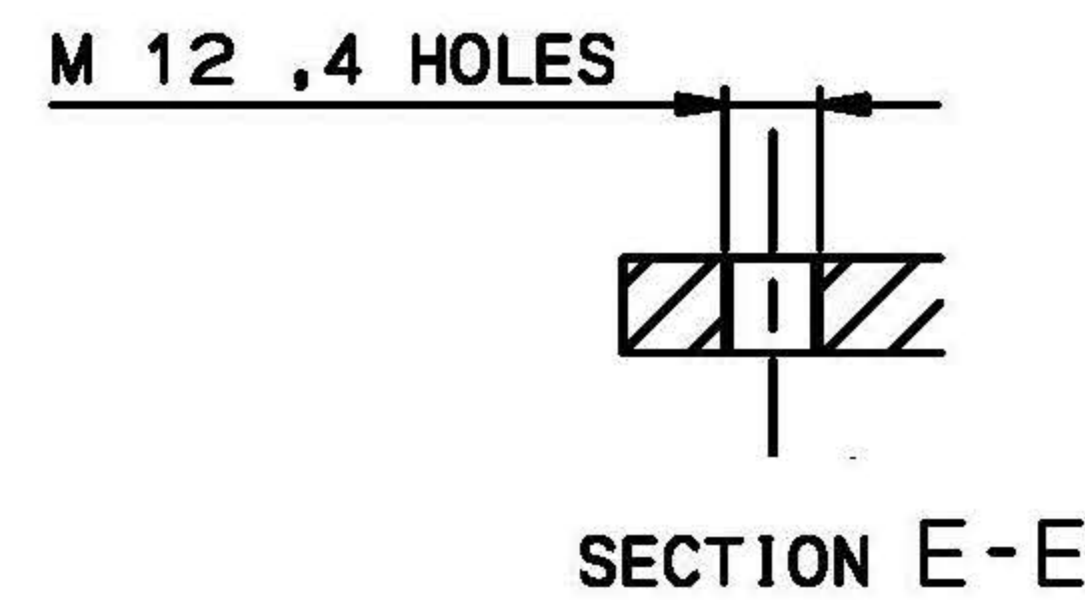
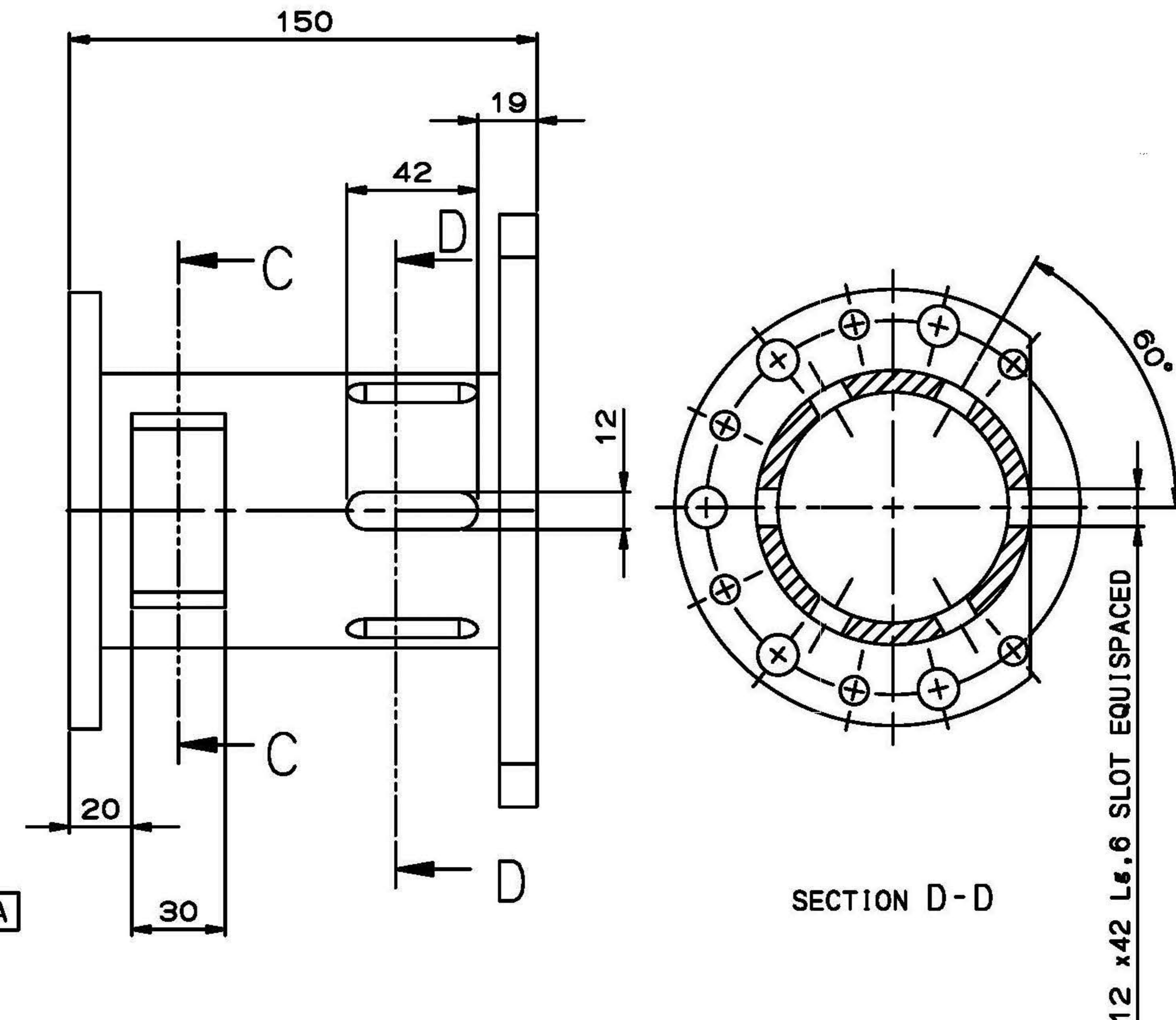
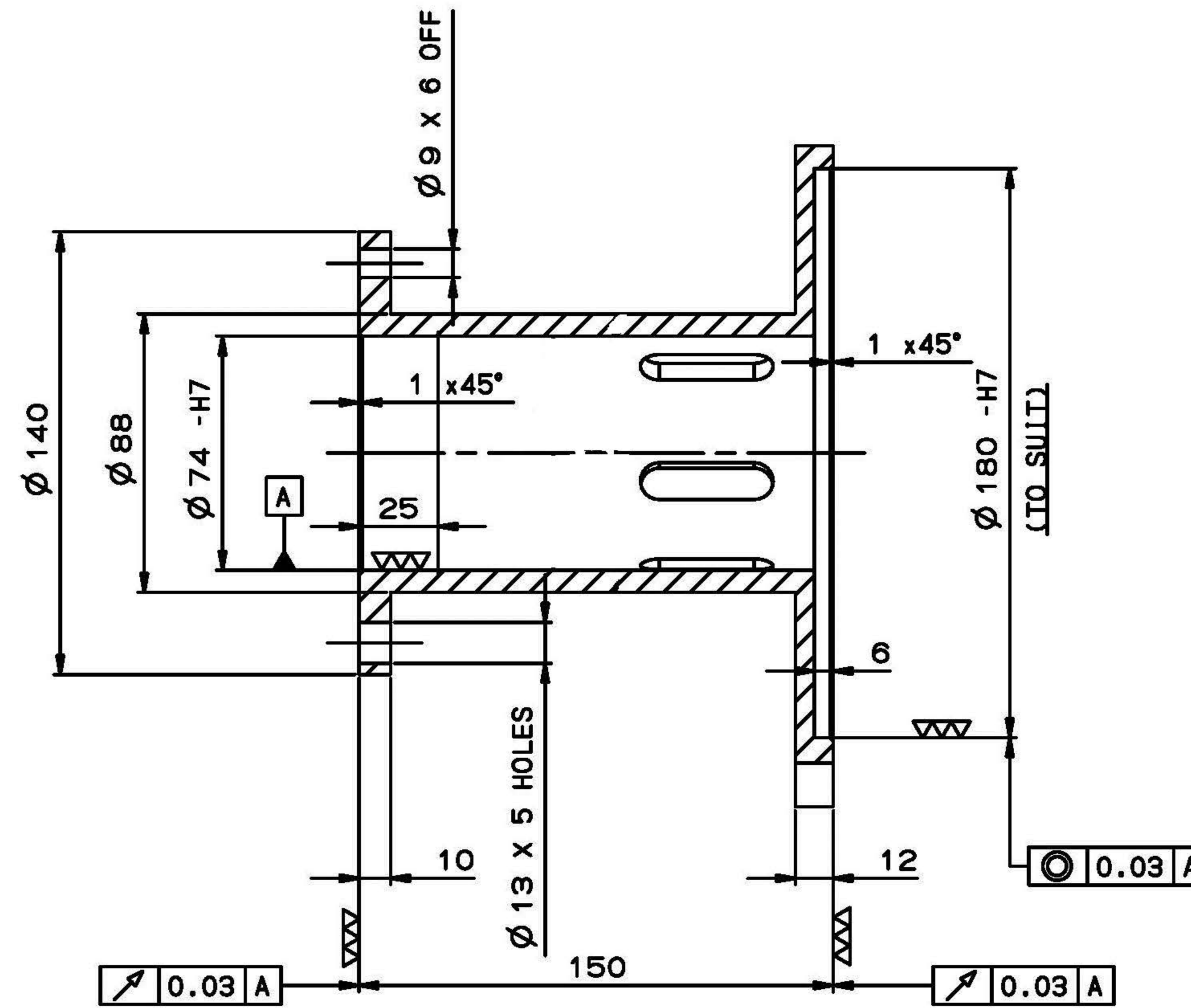
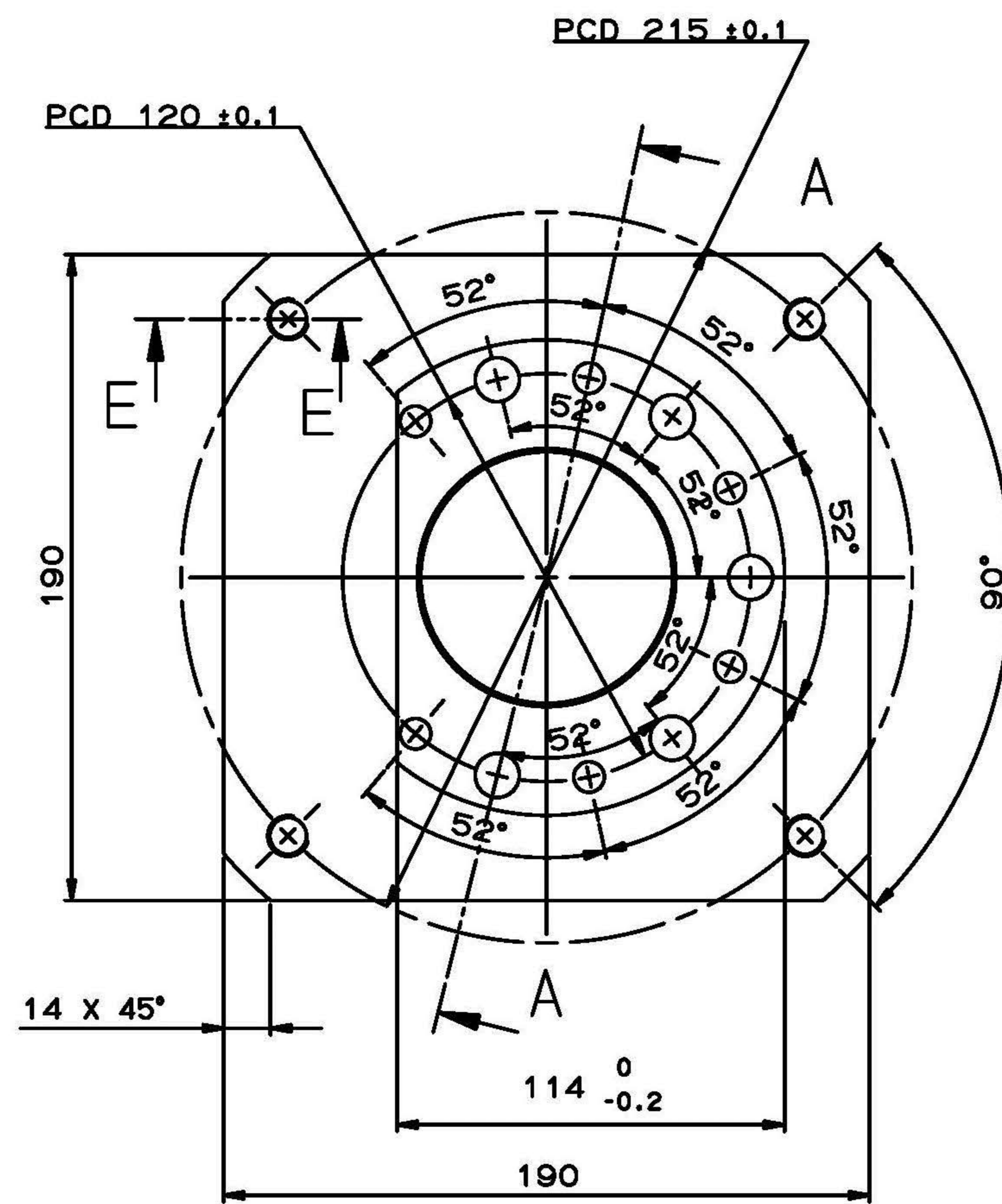
MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100

1	MOTOR HOUSING		***			**
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-8	±0.1					
8-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
No.OFF	DRG. No. OF ASSOCIATED PART	INDEX	ALTERATION		DATE	NAME
1-10	±1°					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "um"						
~	>25					
∇	8-25					
∇∇	1.8-8					
∇∇∇	0.025-1.8					
∇∇∇∇	<0.025					
MOTOR HOUSING				SCALE	DRAWN	02.01.09 VIJAY
MOTOR ASSY				1:1	CHECKED	"
LR LAUNCHER					APPROVED	
KAVACH MOD. Bk				REPLACED BY		
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH				REPLACED FOR		
Design Office				DRAWING No.	DW-1108-4643-12	

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NOMINAL SIZE & FIT	DEVIATION
Ø 180 -H7	+0.040 0
Ø 74 -H7	+0.030 0





SECTION A-A

SECTION C-C

\*\*

PHOSPHATING AND PAINTING

1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
4. DO NOT APPLY PRIMER AND PAINT ON THREADS AND BORE HAVING DIA 180 - H7 AND DIA 74 - H7

\*\*\*

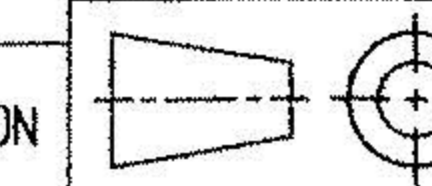
MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING

ALT. MATL:- Gr A2 BS:3100

No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
1	MOTOR HOUSING		***			**
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-8	±0.1					
8-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
No.OFF	DRG. No. OF ASSOCIATED PART	INDEX	ALTERATION	DATE	NAME	
1-10	±1°					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "um"						
~	>25					
∇	8-25					
▽▽	1.6-8					
▽▽▽	0.025-1.6					
▽▽▽▽	<0.025					
MOTOR HOUSING						
MOTOR ASSY						
LR LAUNCHER						
KAVACH MOD. Bk						
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH						
				SCALE	1:1	
				DRAWN	02.01.09	VIJAY
				CHECKED		
				APPROVED		
				REPLACED BY		
				REPLACED FOR		
				DESIGN OFFICE		
				DRAWING No.	DW-1108-4718-12	

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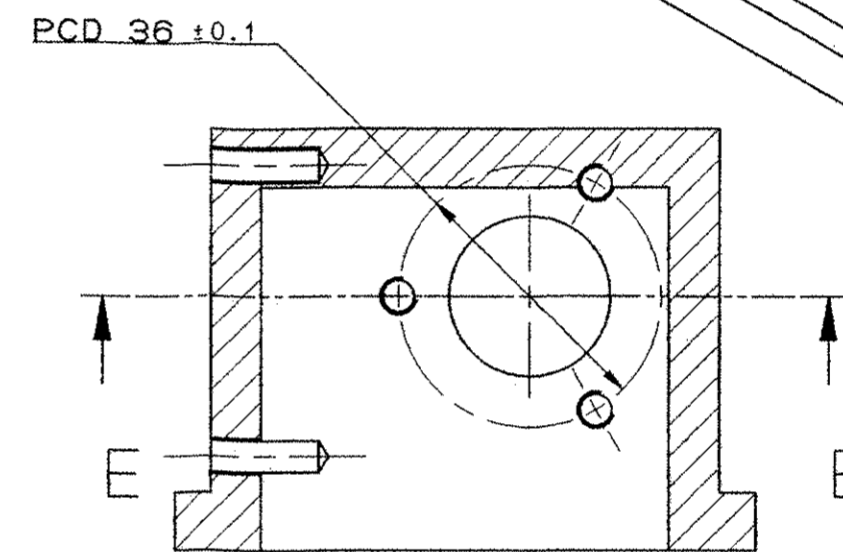
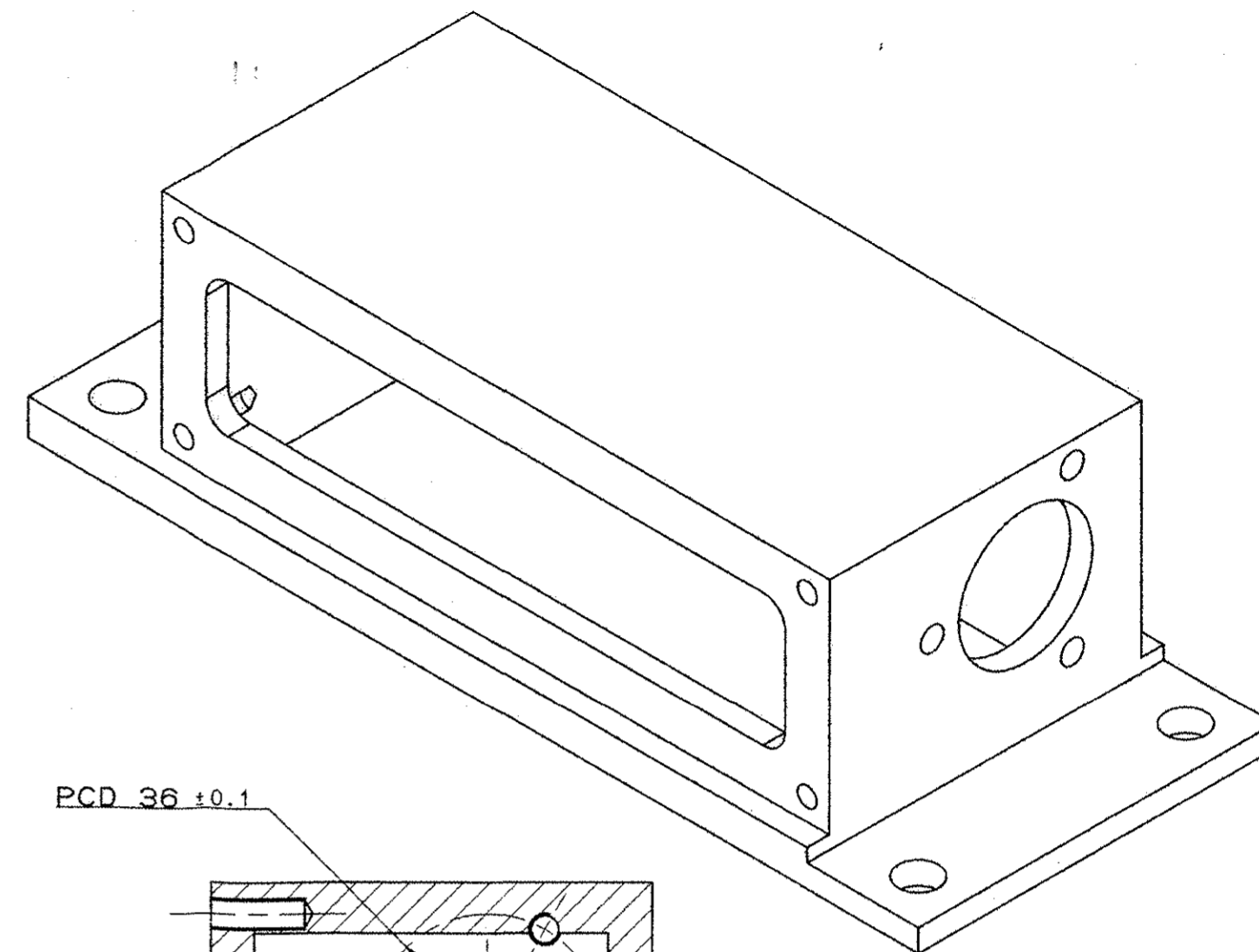
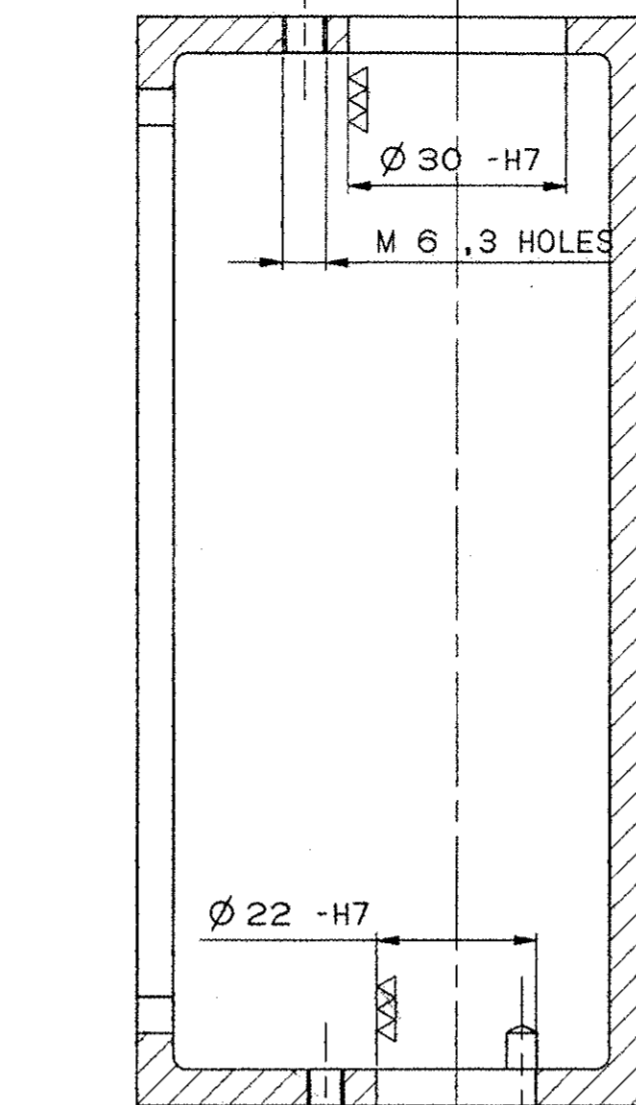
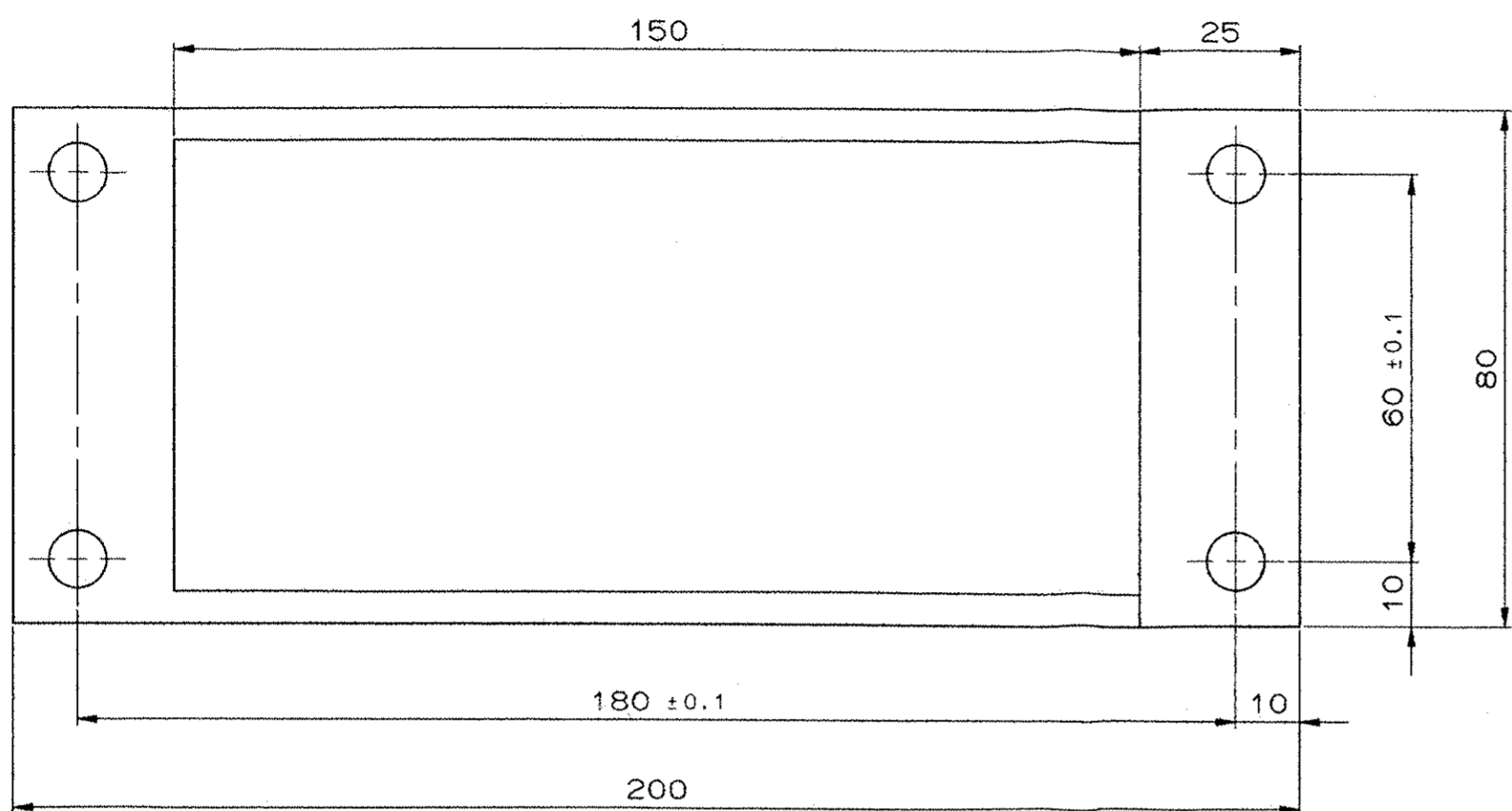
NOMINAL SIZE & FIT	DEVIATION
Ø 180-H7	+0.040 0
Ø 74-H7	+0.030 0



MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH

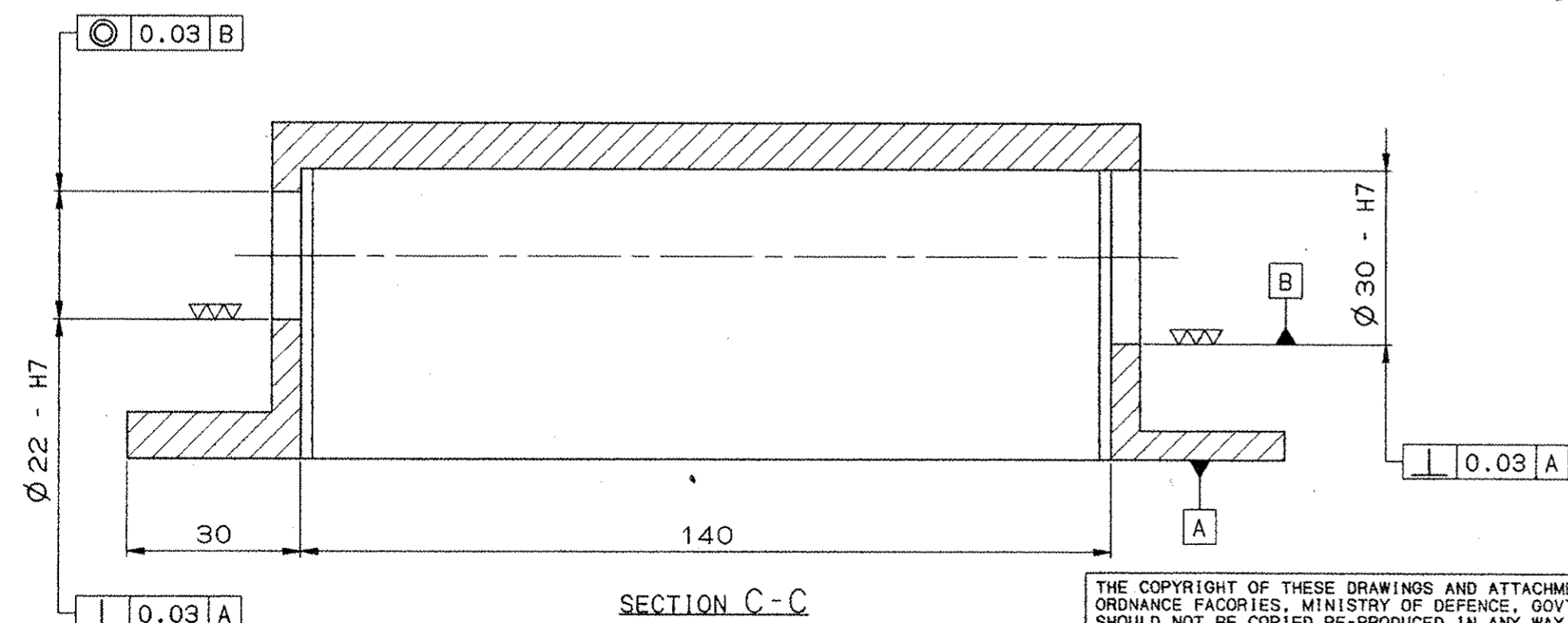
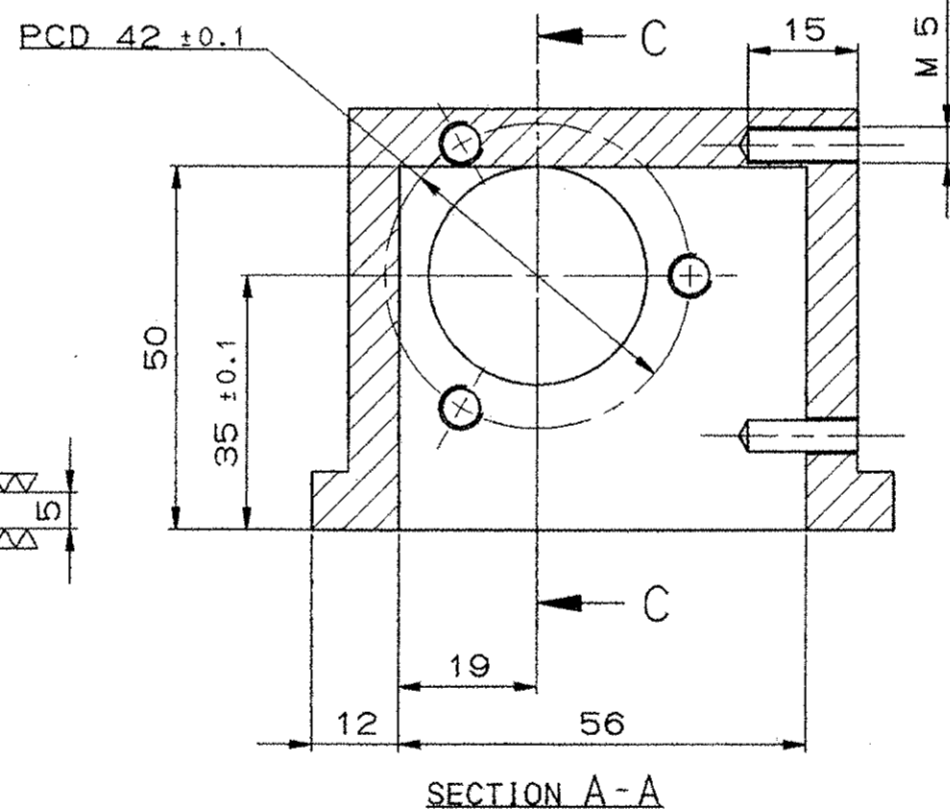
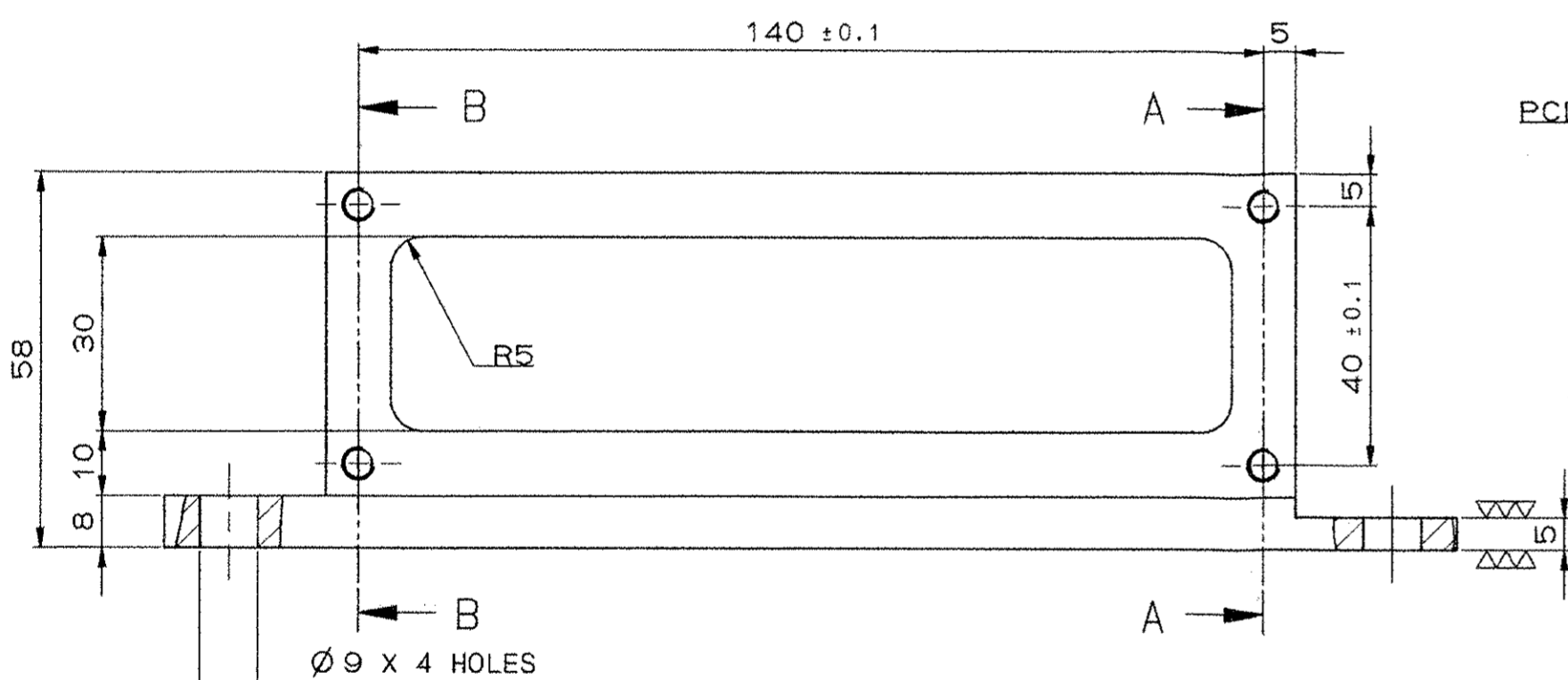
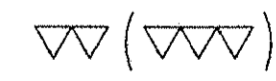
Design Office DW-1108-4718-12





- \*\*\* PHOSPHATING AND PAINTING
1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
  2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPFAS PER DW-1134
  3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
  4. DO NOT APPLY PRIMER AND PAINT ON THREAD AND BORE SURFACE HAVING DIA 22- H7 AND DIA 30- H7

\*\*\* MATERIAL:- GR 280-520W IS:1030-89  
 TO BE MANUFACTURED FROM CASTING  
 ALT. MATL:- Gr A2 BS:3100

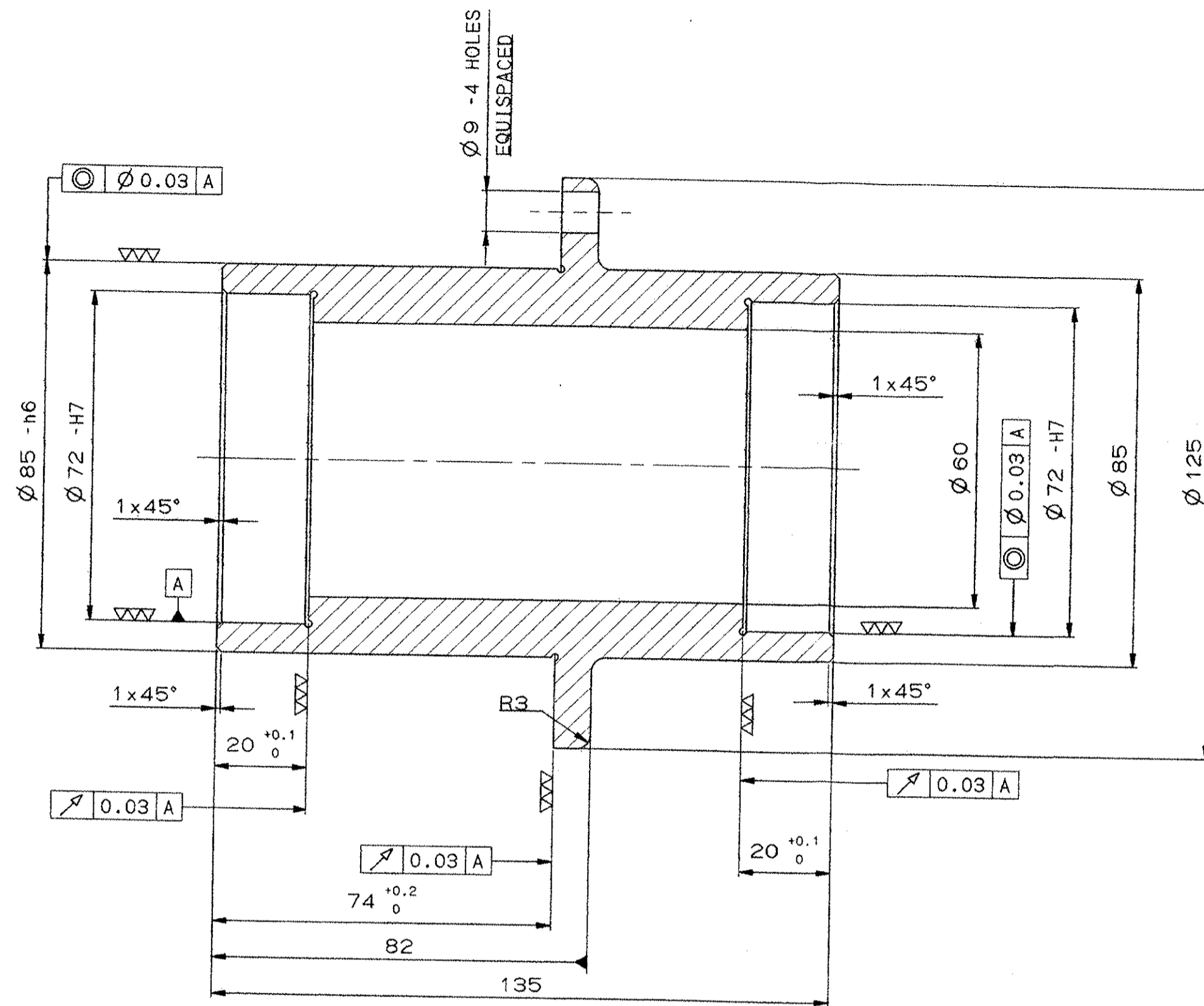
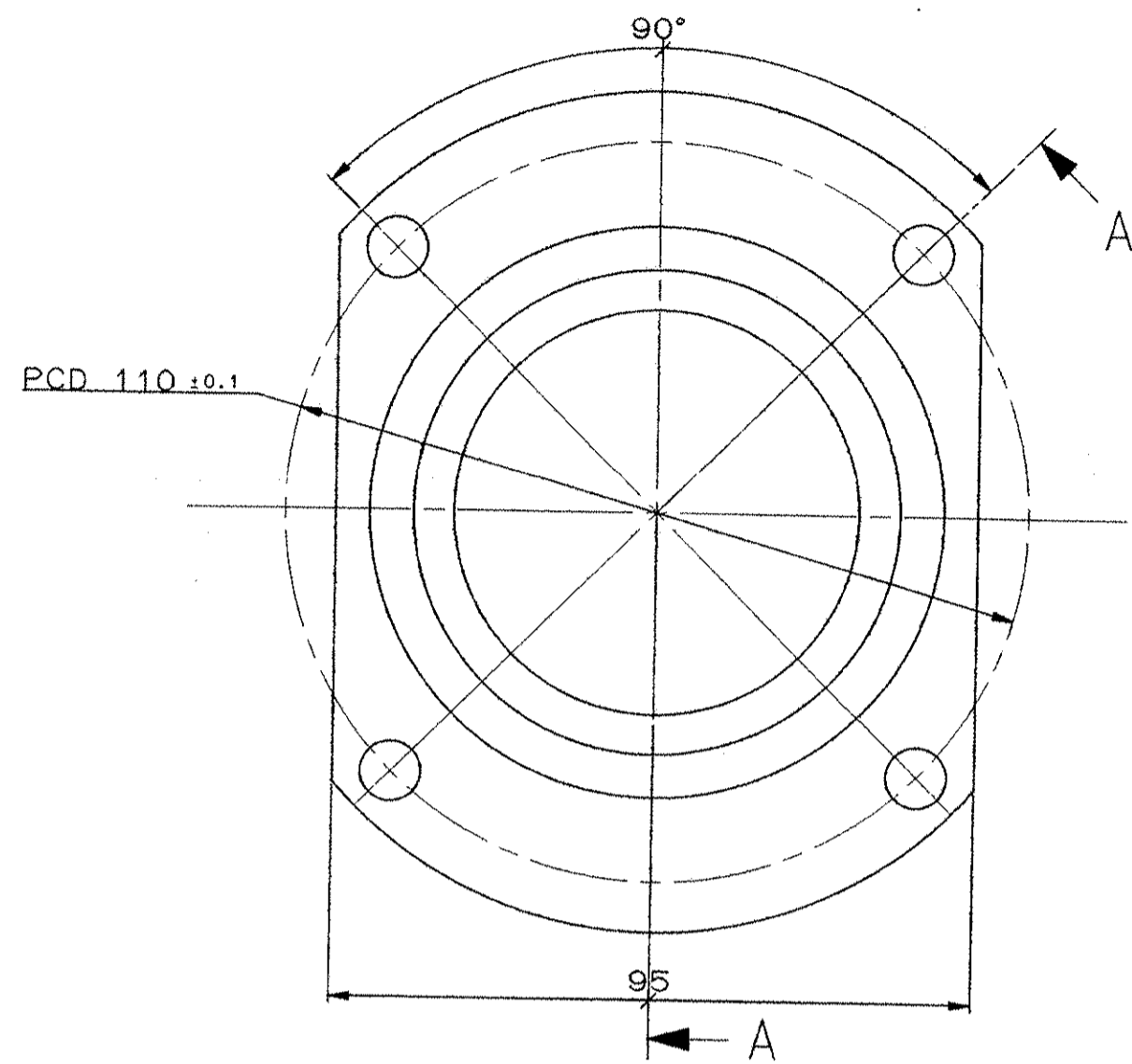


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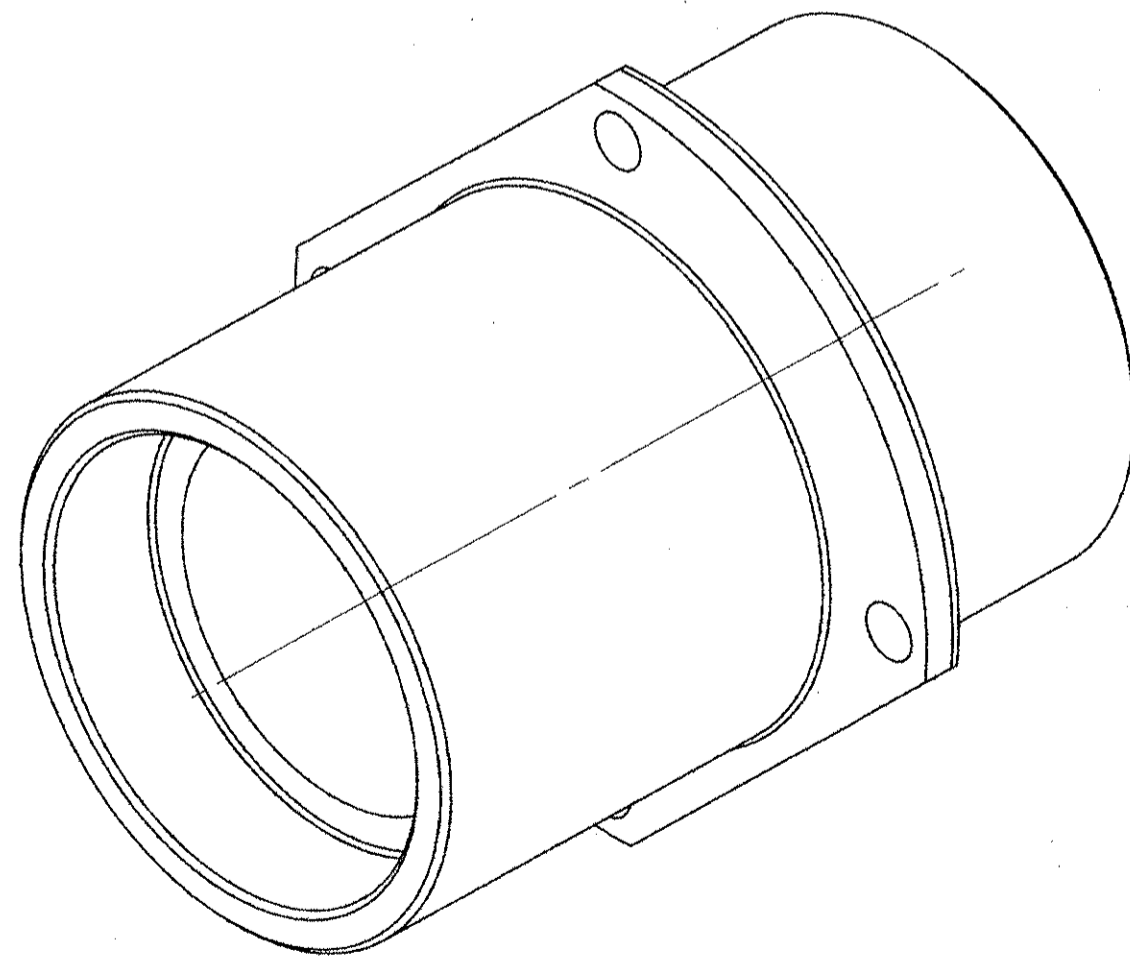
NOMINAL SIZE & FIT	DEVIATION
Ø 30 -H7	+0.025 0
Ø 22 -H7	+0.021 0

1	BLOCK	***	***	***	***	
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-8	±0.1					
8-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
No.OFF	DRG. No. OF ASSOCIATED PART	INDEX	ALTERATION	DATE	NAME	
1-10	±1°					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "um"						
~	>25					
▽	8-25					
▽▽	1.8-8					
▽▽▽	0.025-1.8					
▽▽▽▽	<0.025					
BLOCK						
TRAINING DRIVE ASSY						
LR-MR LAUNCHER						
KAVACH MOD-II						
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH						
SCALE 1:1						
DRAWN 14.01.09 VJAY						
CHECKED " " /07						
APPROVED 01/20/09 /02						
REPLACED BY						
REPLACED FOR						
DRAWING No. DW-1108-5026-12						



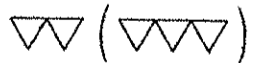


SECTION A-A



\*\*  
PHOSPHATING  
PHOSPHATING TO BE DONE  
AS PER IS:3618 CLASS-A1

\*\*\*  
MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100

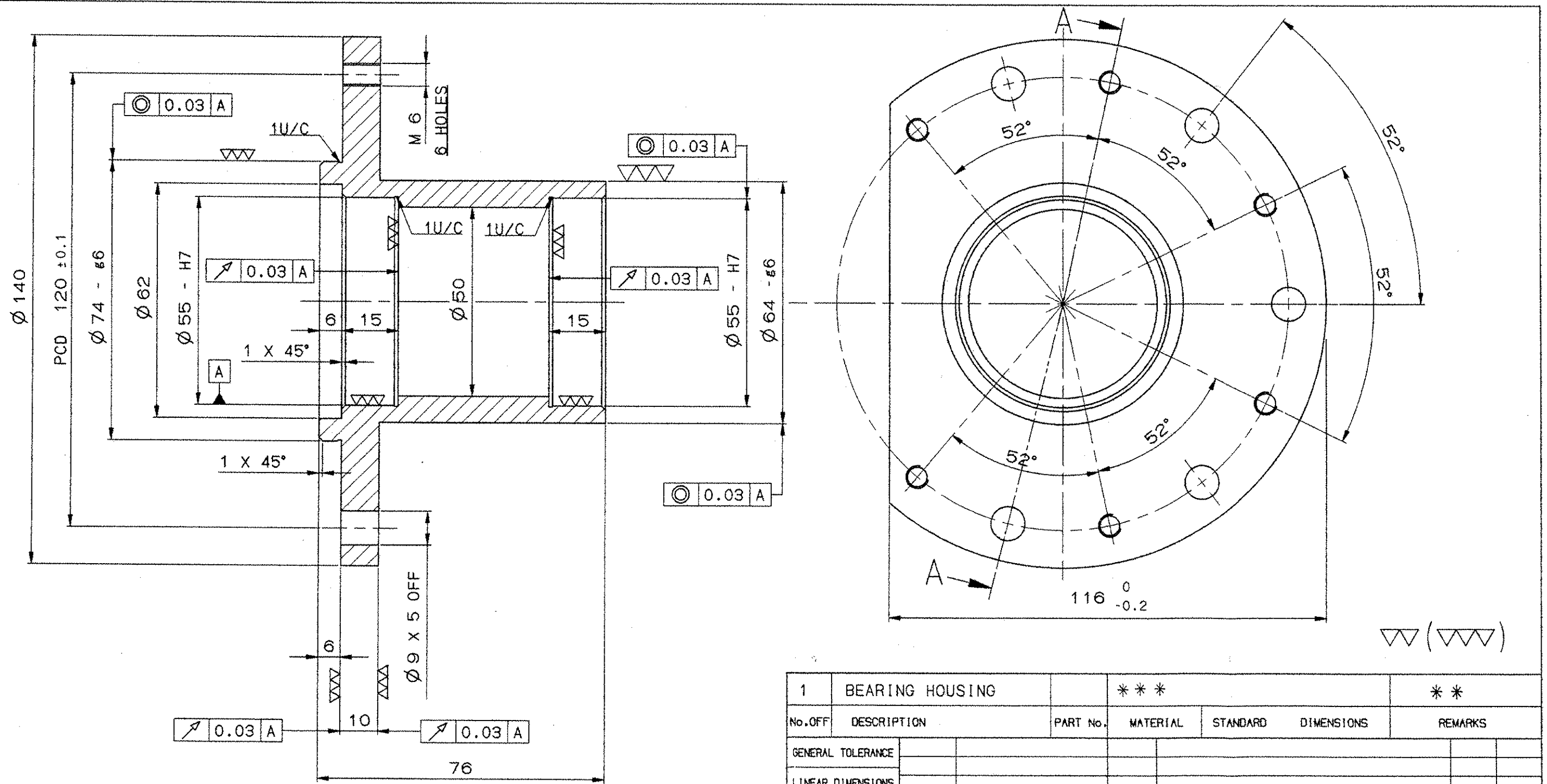


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NOMINAL SIZE & FIT	DEVIATION
Ø 72-H7	+0.030 0
Ø 85-h6	0 -0.022

1	HOUSING	***	**			
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-6	±0.1					
6-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
1-10	±1'					
10-50	±30"					
50-100	±20"					
>100	±10"					
VALUE IN "um"						
~	≥25					
▽	8-25					
▽▽	1.8-8					
▽▽▽	0.025-1.8					
▽▽▽▽	<0.025					
No.OFF	DRG. No.	OF ASSOCIATED PART	INDEX	ALTERATION	2006	DATE NAME
HOUSING					SCALE	DRAWN 14.01.09 VIJAY
BEVEL SHAFT ASSY					1:1	CHECKED 11/11/09
TRAINING DRIVE ASSY						APPROVED 12/24/09
LR-MR LAUNCHER						
KAVACH MOD-II						
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH					DESIGN OFFICE	REPLACED BY REPLACED FOR
					DRAWING No.	DW-1108-5501-12





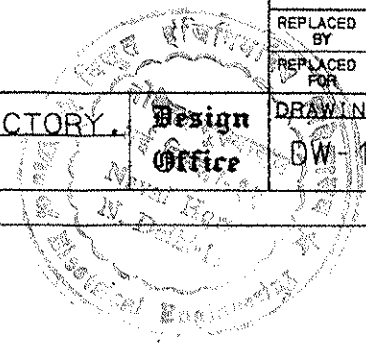
\*\*  
 PHOSPHATING  
 PHOSPHATING TO BE DONE AS PER IS:3618 CLASS -A†

\*\*\*  
 MATERIAL:- GR 280-520W IS:1030-89  
 TO BE MANUFACTURED FROM CASTING  
 ALT. MATL:- Gr A2 BS:3100

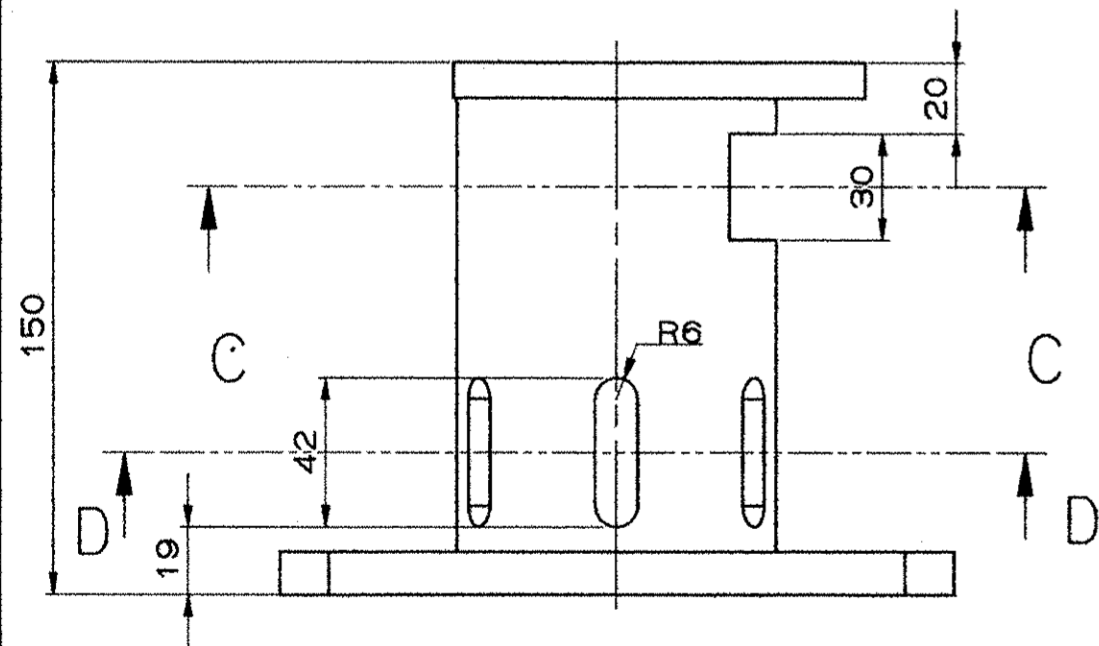
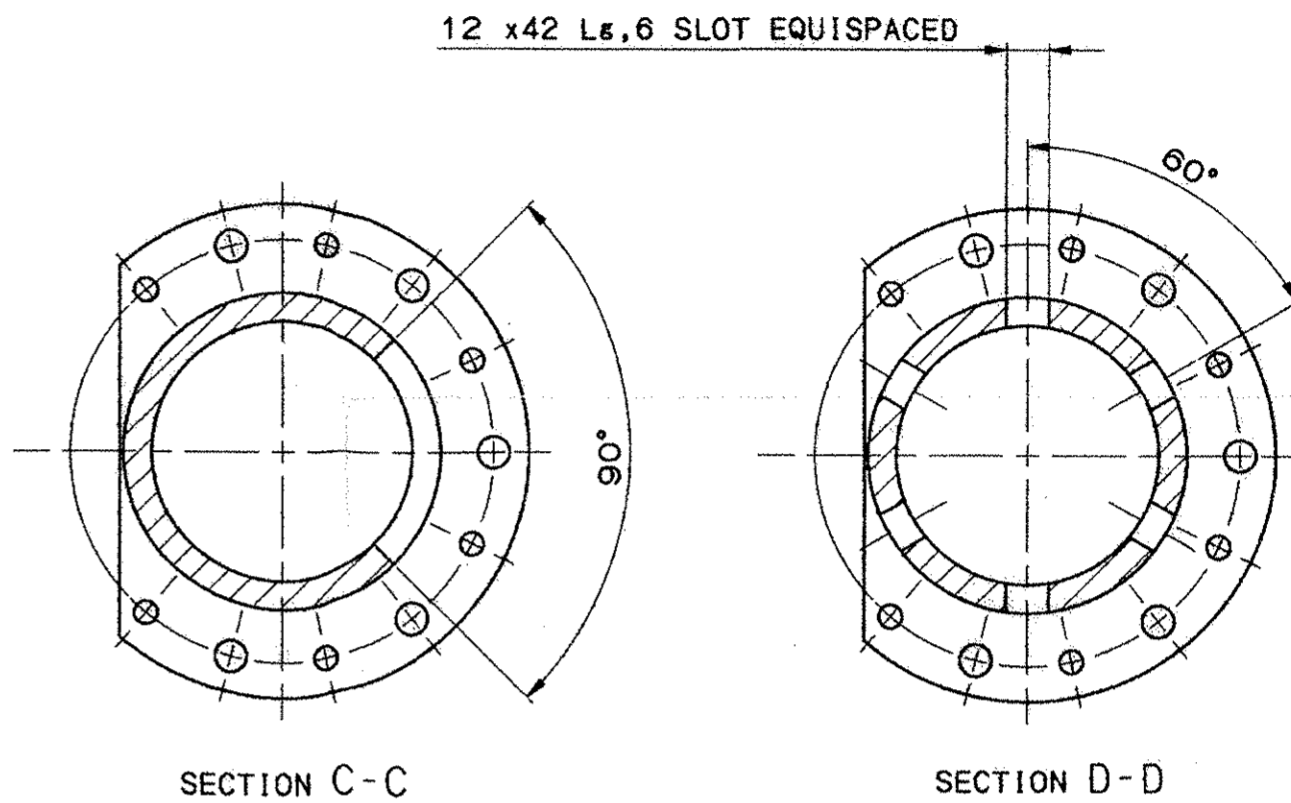
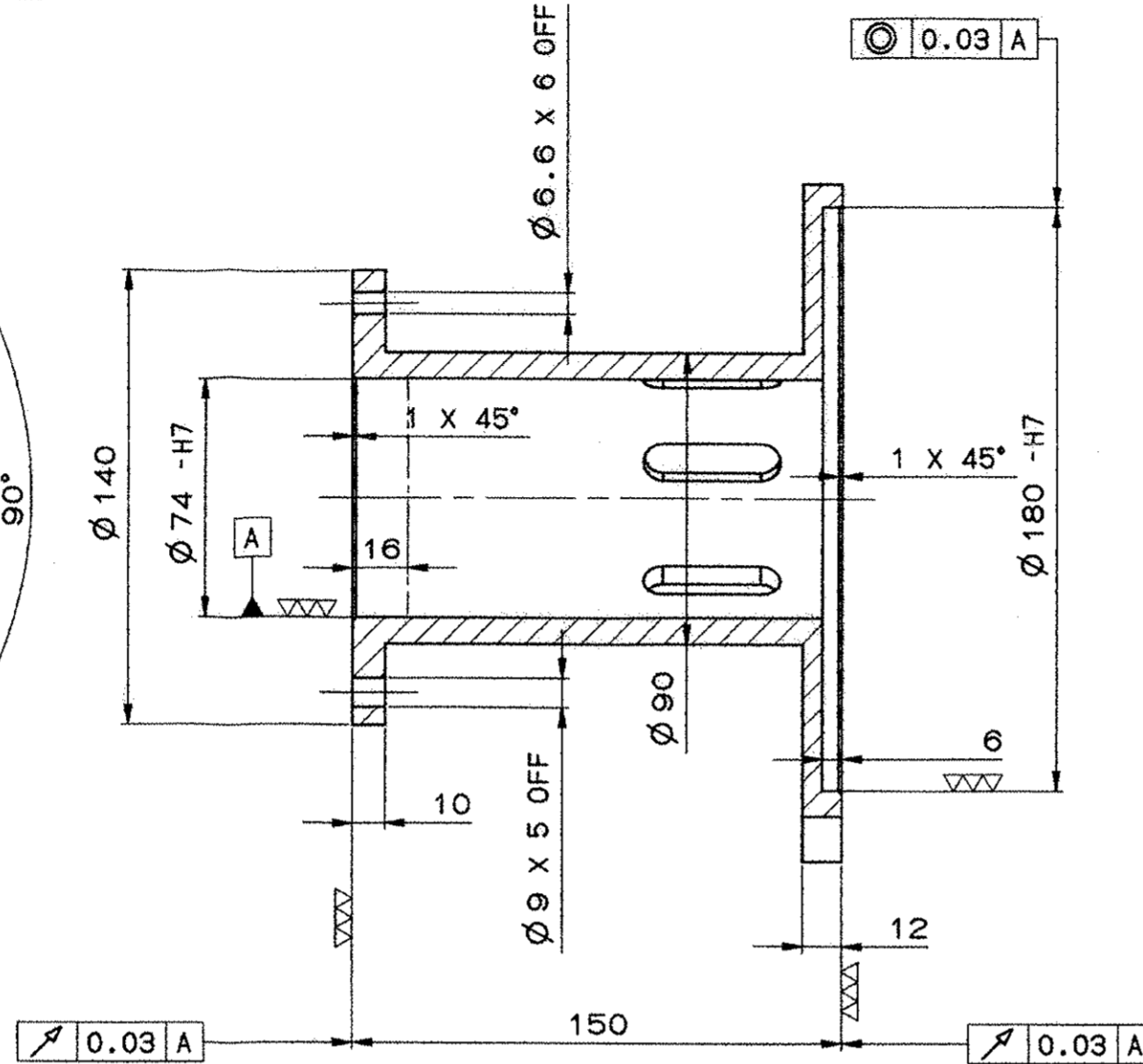
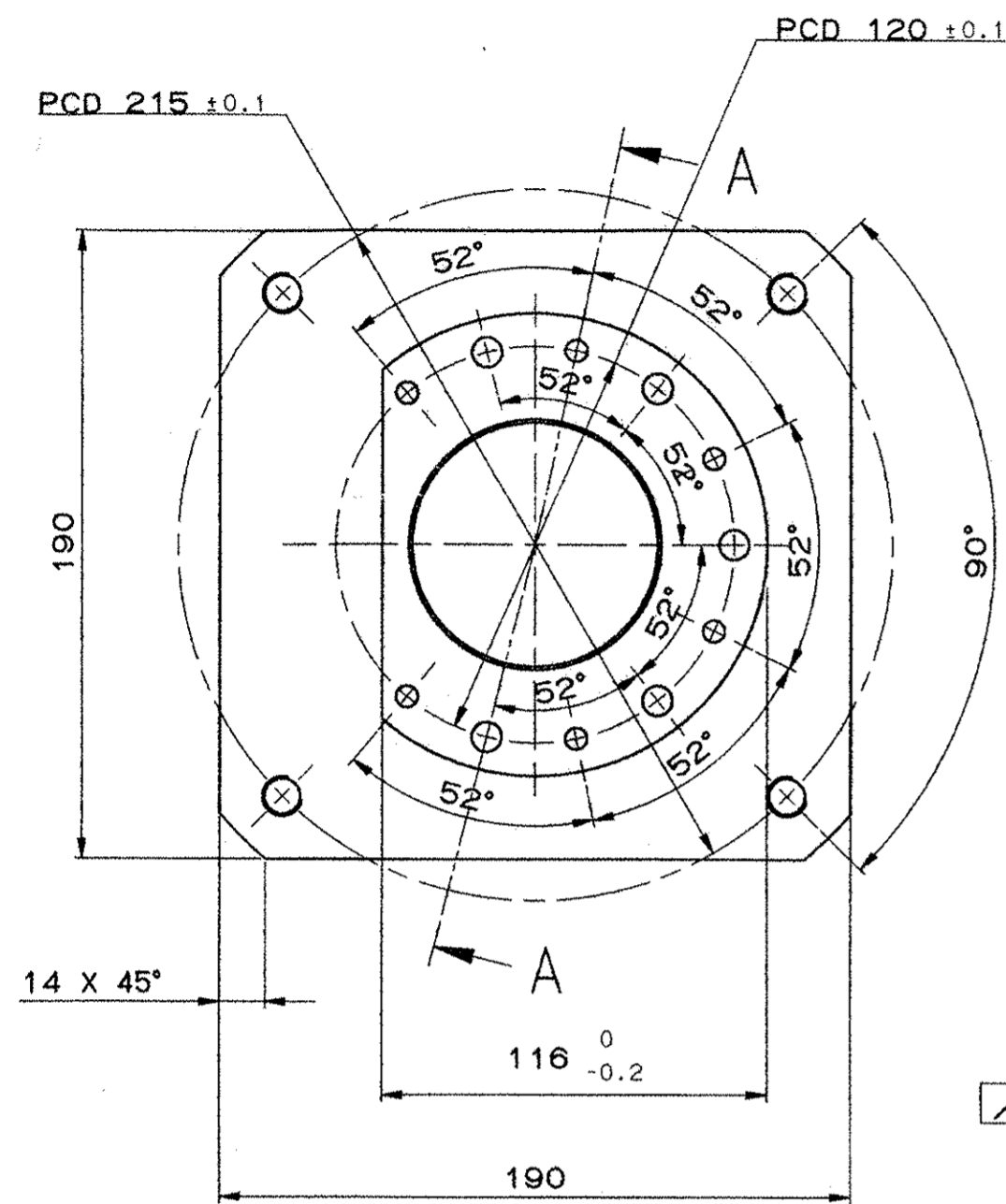
NOMINAL SIZE & FIT	DEVIATION
Ø 55-H7	+0.030 0
Ø 64-H7	-0.010 -0.029
Ø 74-g6	-0.012 -0.034

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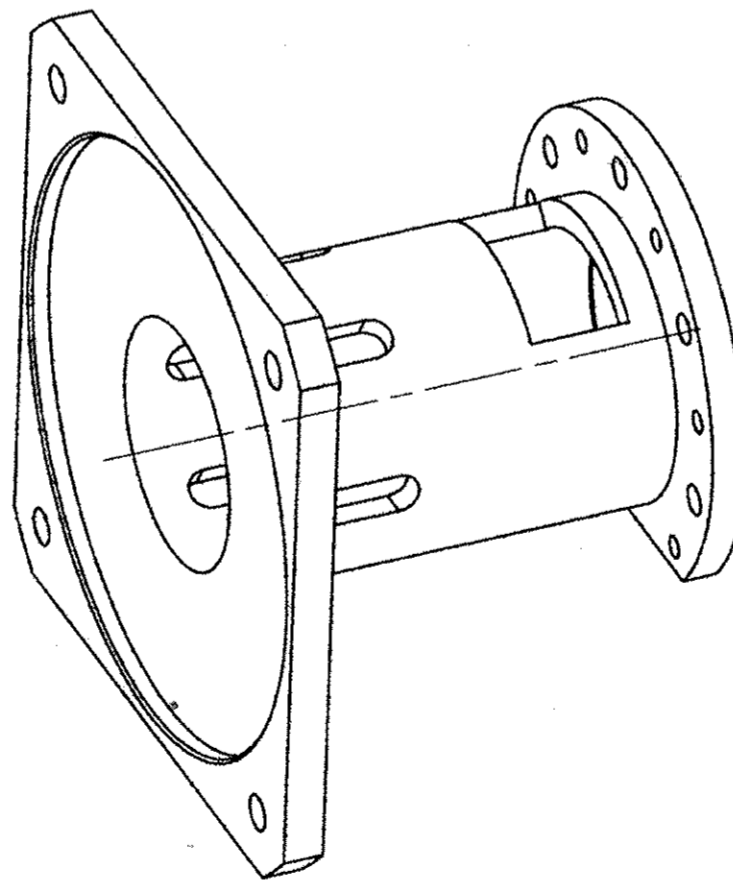
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
1	BEARING HOUSING		***			**
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-6	±0.1					
6-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
1-10	±1°					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "um"						
~	>25					
∇	6-25					
▽▽	1.6-6					
▽▽▽	0.025-1.6					
▽▽▽▽	<0.025					
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH						
BEARING HOUSING MOTOR ASSY TRAINING DRIVE ASSY. LR-MR LAUNCHER KAVACH MOD-II						
SCALE: 1:1						
DRAWN: 14.01.09 vijay						
CHECKED: " " jn						
APPROVED: 17/1/09 [Signature]						
REPLACED BY						
REPLACED FOR						
DRAWING No. DW-1108-5801-13						







SECTION A-A



**\*\* PHOSPHATING AND PAINTING**

1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS-B
2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPFAS PER DW-1134
3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
4. DO NOT APPLY PRIMER AND PAINT ON THREADS AND BORE HAVING DIA 180 - H7 AND DIA 74 - H7

\*\*\* MATERIAL:- GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100



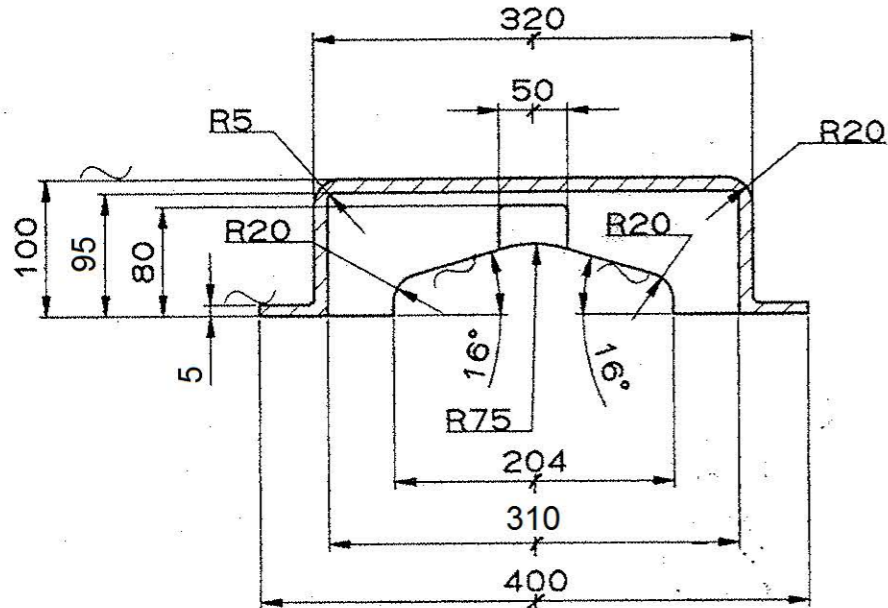
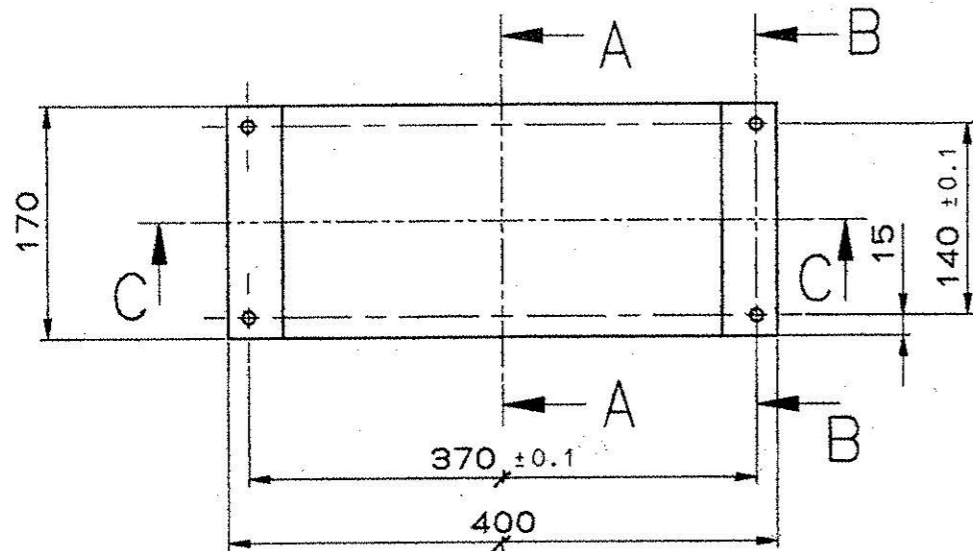
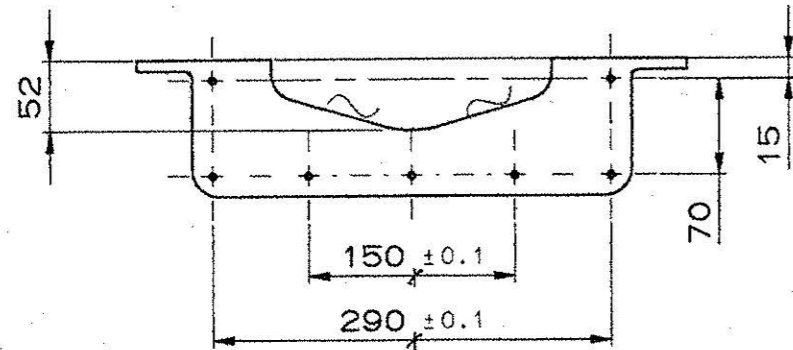
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
1	MOTOR HOUSING		***			**
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-8	±0.1					
8-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
1-10	±1'					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "Um"						
~	≥25					
∇	8-25					
∇∇	1.8-8					
∇∇∇	0.025-1.8					
∇∇∇∇	<0.025					
MOTOR HOUSING						
MOTOR ASSY						
TRAINING DRIVE ASSY.						
LR-MR LAUNCHER						
KAVACH MOD-II						
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH						
SCALE 1:1						
DRAWN 14.01.08						
CHECKED "by"						
APPROVED						
REPLACED BY						
REPLACED FOR						
DRAWING No. DW-1108-5803-12						

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NOMINAL SIZE & FIT	DEVIATION
∅ 180-H7	+0.040 0
∅ 74-H7	+0.030 0



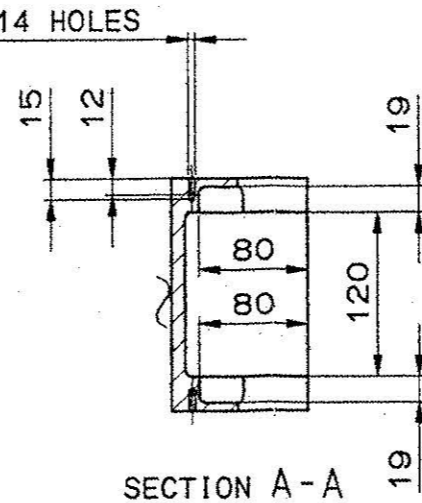
REVISION-I



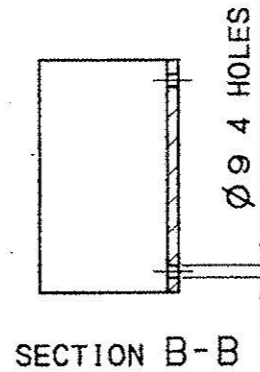
SECTION C-C

\*\* GR 280-520W IS:1030-89  
TO BE MANUFACTURED FROM CASTING  
ALT. MATL:- Gr A2 BS:3100

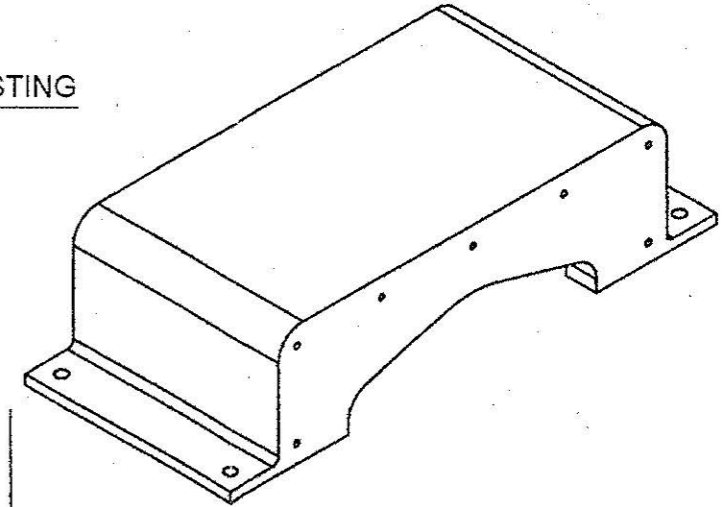
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SECTION A-A

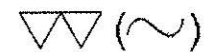


SECTION B-B



\*\*\* PHOSPHATING AND PAINTING

1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS B
2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134



1	COVER - I		**			***
No.OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
GENERAL TOLERANCE						
LINEAR DIMENSIONS						
0-6	±0.1					
6-30	±0.2					
30-120	±0.3					
120-315	±0.5					
315-1000	±0.8					
1000-2000	±1.2					
ANGULAR DIMENSION						
1-10	±1'					
10-50	±30'					
50-100	±20'					
>100	±10'					
VALUE IN "um"						
~	>25					
▽	8-25					
▽▽	1.8-8					
▽▽▽	0.025-1.8					
▽▽▽▽	<0.025					
COVER - I			MUMBAI		(G Ramesh) Commander Chief Inspector of Naval Armament for Controller of Naval Armament Inspection	
SRCR LAUNCHER			No.OFF		DRG. No. OF ASSOCIATED PART	INDEX ALTERATION
GENERAL ASSY			DATE		NAME	
KAVACH MOD - II			1:1		DRAWN 01.02.09 VIJAY	
MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH			CHECKED		" Vijay	
Design Office			APPROVED		01/2/09	
DRAWING No. DW-1109-0001-13			REPLACED BY		REPLACED FOR	

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NOMINAL SIZE & FIT	DEVIATION

