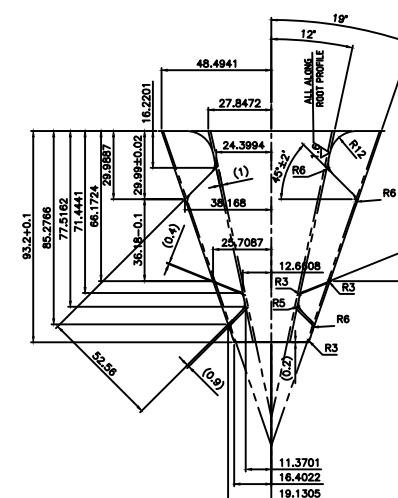
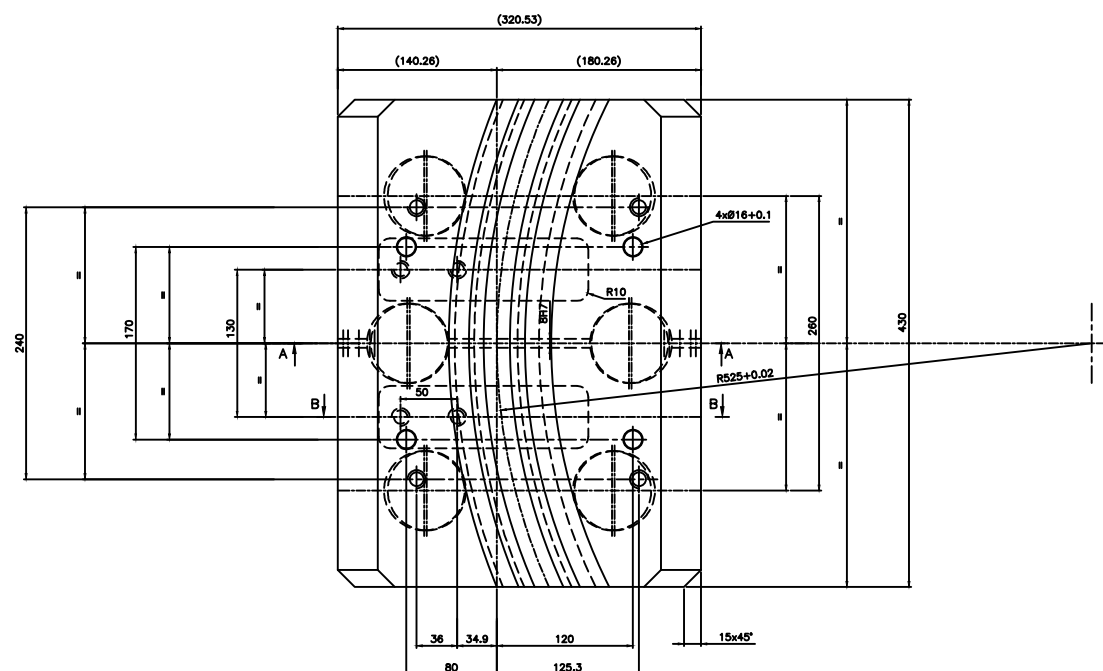
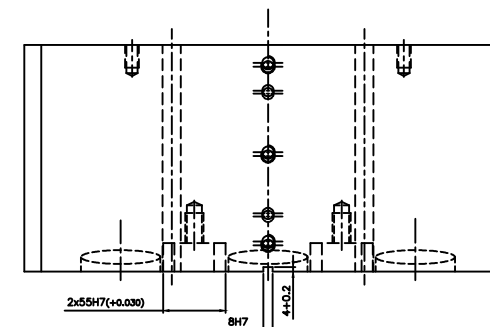
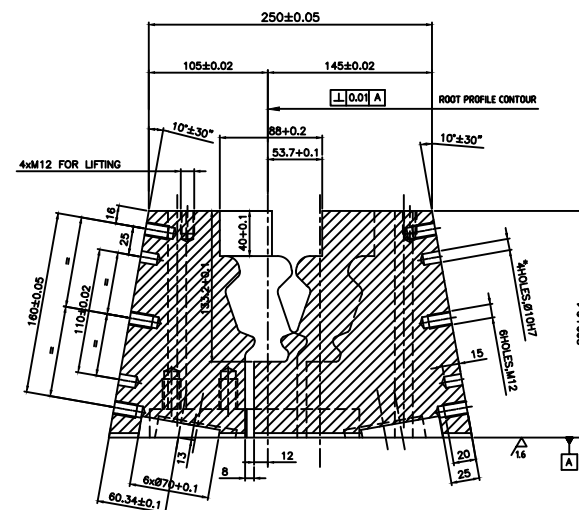


EXAMINING NO. R7805-3023/001

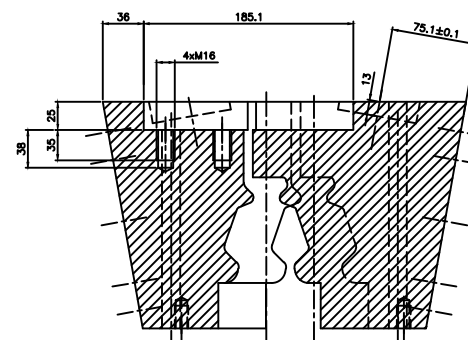
3.2/ THE REST



MARK
FORM-20S
660MW

NOTES:—

- *2. TO BE DONE IN ASSY. WITH ITEM NO. 4 (DRG. NO. R7805-3023/002).

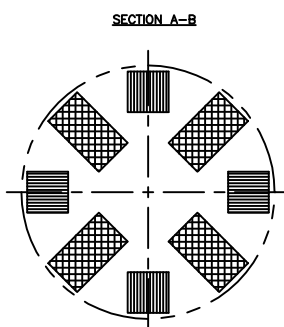
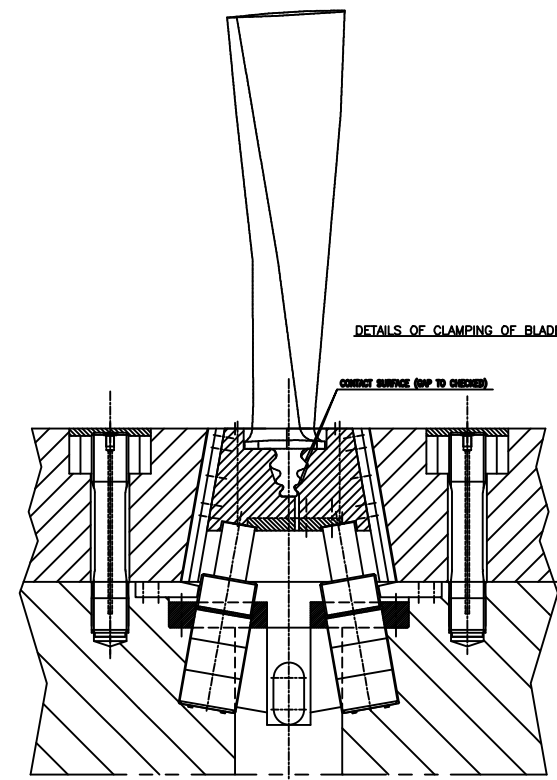


VAR.00		REMARKS	ITEM NO.	DESCRIPTION	QTY.	DRAWING No.	400MMX8-S (FORGINS)		UNIT WT.(kg)
CARD TYPE-3		28		CARD TYPE-3		CARD TYPE-3		CARD TYPE-3	
QAS NO./QAS.Pd.		STATUS		TYPE OF PRODUCT		COMP. DRG. No.	M/C TOOL TRANS. No.	REF. DRG. No.	
APPROVED BY:	NAME	SIGN.		DATE	DESIGN ORDER No.		MODEL No.		
GRADE OF UNTOLD.DIM. :- M/CG-E/M/E AAO230208 WELDING-A/B/C/D-AA0621104 GAS CUTTING-T3-AA0621101					 BHARAT HEAVY ELECTRICALS LTD. HARDWAR		NAME	SIGN.	DATE
REV.	DATE	ALTERED CHECKED	REV.	DATE	ALTERED CHECKED	DEPT. /ITE	SCALE	WEIGHT(Kg.)	REF. TO ASSY. DRG.
1			1			CODE 200	1:2	~152.4	R7805-3023
TITLE						DRAWING No.			
CONTROL SHEMENT						R7805-3023/001			
(FORM-205, 660MM)						SHEET No.			
3			4		3				

2

saamaga'i saUcal
saM#yaa /INVENTORY NO.

A2 sag[iq./A2 SIZE



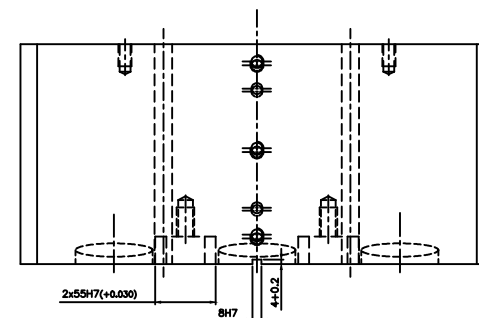
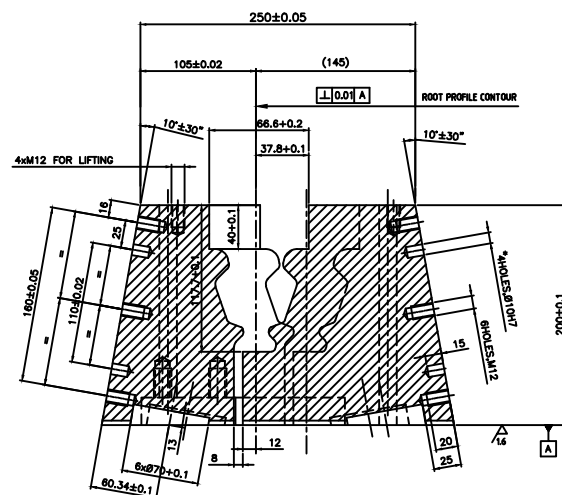
MARK

R7805-3023

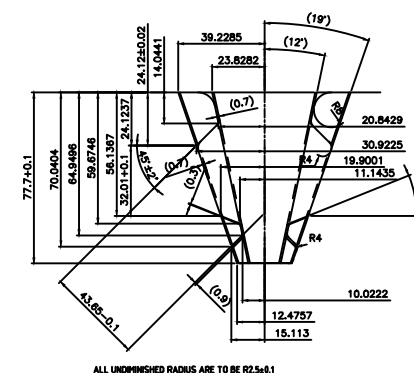
ITEM NO.	DESCRIPTION	QTY	DRAWING No.	MATERIAL CODE	UNIT WT.(kg)
28	PNEUMATIC SCHEME	R7805-3023/030		PURCHASED	-
29	HYDRAULIC SCHEME	R7805-3023/020		PURCHASED	01
34	PLATE (250x250x0.8)	—		F4110W	01
35	PLATE (100x300x0.5)	—		AN1119	04
36	AIR BAGS	—		F4110W	85.23
37	CONTROL SEGMENT (FORM-205, 800MM)	R7805-3023/014		AN1119	04
38	CONTROL SEGMENT (FORM-205, 800MM)	R7805-3023/013		400MMS-8	152.4
39	CONTROL SEGMENT (FORM-17, 660MM)	R7805-3023/012		400MMS-8	152.4
40	CONTROL SEGMENT (FORM-17, 660MM)	R7805-3023/011		400MMS-8	152.4
41	LOCKING PLATE	R7805-3023/009		400MMS-8	152.4
42	SCRU CAP SOC A M12x60-ST	AA 7123123		316-6	30.0
43	HYDRAULIC CYLINDER	R7805-3023/008		AA 7123123	16
44	"O" RING Ø5	—		RUBBER	-
45	DEV. LENGTH=232	—		RUBBER	-
46	"O" RING Ø8	—		RUBBER	-
47	REST PLATE	R7805-3023/007		13NCS080	1.4
48	BASE BLOCK	R7805-3023/006		AA 7123123	08
49	SUPPORT ARM	R7805-3023/005		300MMS-11	10531
50	SCRU CAP SOC A M16x30-ST	AA 7123126		13NCS080	1.6
51	TOP PLATE	R7805-3023/004		AA 7123123	02
52	MUT HEX M47x6-B	ST03003.072		STEEL 12.9	0.081
53	COVER PLATE	R7805-3023/003		AA 7121 31 23	324.5
54	STUD B M72x400	STO 1.0 4.3		(FORGINGS)	00.05
55	KEY	R7805-3023/002		ALLOY STEEL	2.67
56	PN CLY RND END	AA 7171101		HW1 0GB1	1.3
57	SCRU CAP SOC A M12x35-ST	AA 7123123		MILD STEEL	28
58	CONTROL SEGMENT (FORM-205, 800MM)	R7805-3023/001		ST01043	9.96
59	DESCRIPTION	DRAWING No.		HW1B814	18
60				13NCS080	2.5
61				AA 7171101	0.027
62				STEEL 12.9	0.044
63				AA 7121 31 23	324.5
64				(FORGINGS)	152.4
65					01

01		CONTROL SEGMENT (FROM -205-6066)		R7805-3023/001		4000-MASS-3 152.4	
VAR.00		ITEM No.		DRAWING No.		MATERIAL CODE UNIT WT.(LBS)	
DATE		REV.		DRAWN BY		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		TYPE OF PRODUCT		C/NO. DPG. No.	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		DESIGN ORDER No.		M/C TOOL TRANS No.	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		MODEL No.		REF. DPG. No.	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		REF. 10-8507 FOR SENSING			
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		GENERAL		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		BHARAT HEAVY ELECTRICS LTD.		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		HARDWARE		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		DEPT.		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		SCALE		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		WEIGHT(MG)		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		REF. TO ASSY. DPG.		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		TITLE		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		DRAWING No.		DATE	
DATE NO. REV. OR SUPP.		DATE NO. REV. OR SUPP.		SHEET No.		DATE	

3.2/ THE REST

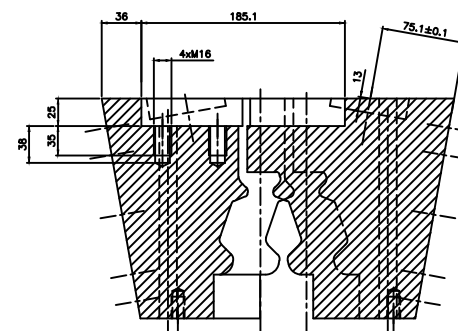


GROOVE PROFILE
(SCALE 1:1)



ALL UNFINISHED RADII ARE TO BE R2.5±0.

SECTION B-B



NOTES:-

1. SHARP EDGES TO BE ROUNDED OFF.

* 2. TO BE DONE IN ASSY. WITH ITEM NO. 4 (DRG. NO. R7805-3023/002).

VAR. OR		REMARKS		ITEM No.		DESCRIPTION		DRAWING No.		400MMx50-8 (FORMGS)		UNIT WT.(Kg.)		10.25	
CARD TYPE-3		28		28		CARD TYPE-1		28		CARD TYPE-2		28		28	
DATE 14/06/2018		TIME 10:30 AM		CNC		CNC		CNC		CNC		CNC		CNC	
GRADE OF INTOL. DIM. :-		NAME		SIGN.		DATE		NAME		SIGN.		DATE		NAME	
M/C/C-E/INT/ AMO230208		NAME		SIGN.		DATE		NAME		SIGN.		DATE		NAME	
WELDING-A/C/B-D-AM022104		NAME		SIGN.		DATE		NAME		SIGN.		DATE		NAME	
GAS CUTTING-T3AAD621101		NAME		SIGN.		DATE		NAME		SIGN.		DATE		NAME	
REV DATE		ALTERED		REV DATE		ALTERED		REV DATE		ALTERED		REV DATE		ALTERED	
DATE		CHECKED		DATE		CHECKED		DATE		CHECKED		DATE		CHECKED	
5		4		3		2		1		0		5		4	

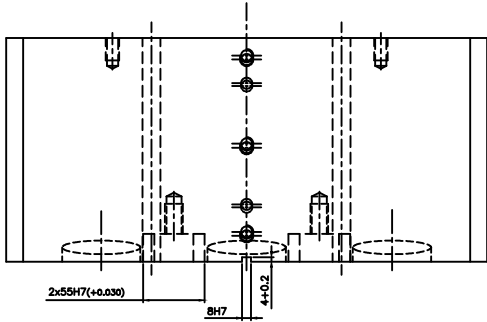
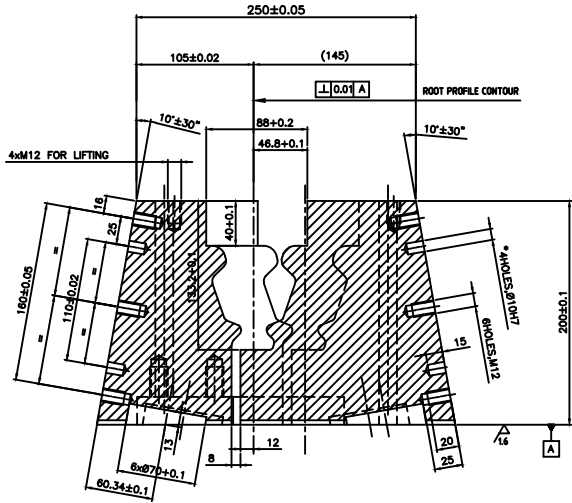
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

FORM DE 44 B

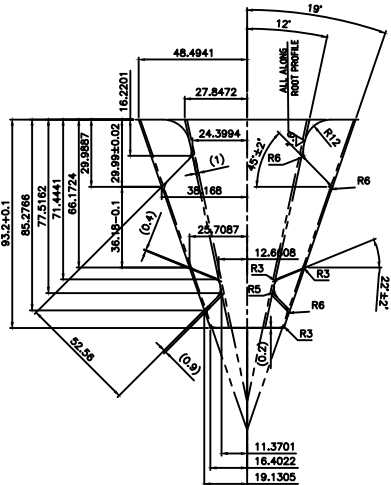
DRAWING No. R7805-3023/013

3.3
✓ THE REST

SECTION A-A

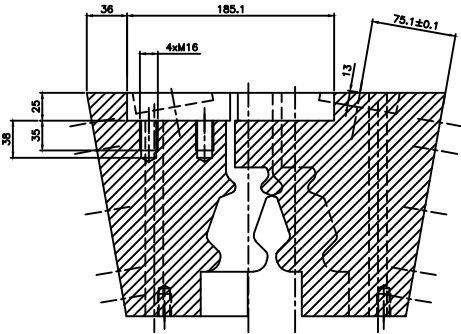


GROOVE PROFILE
(SCALE 1:1)



MARK
FORM-20S
800MW

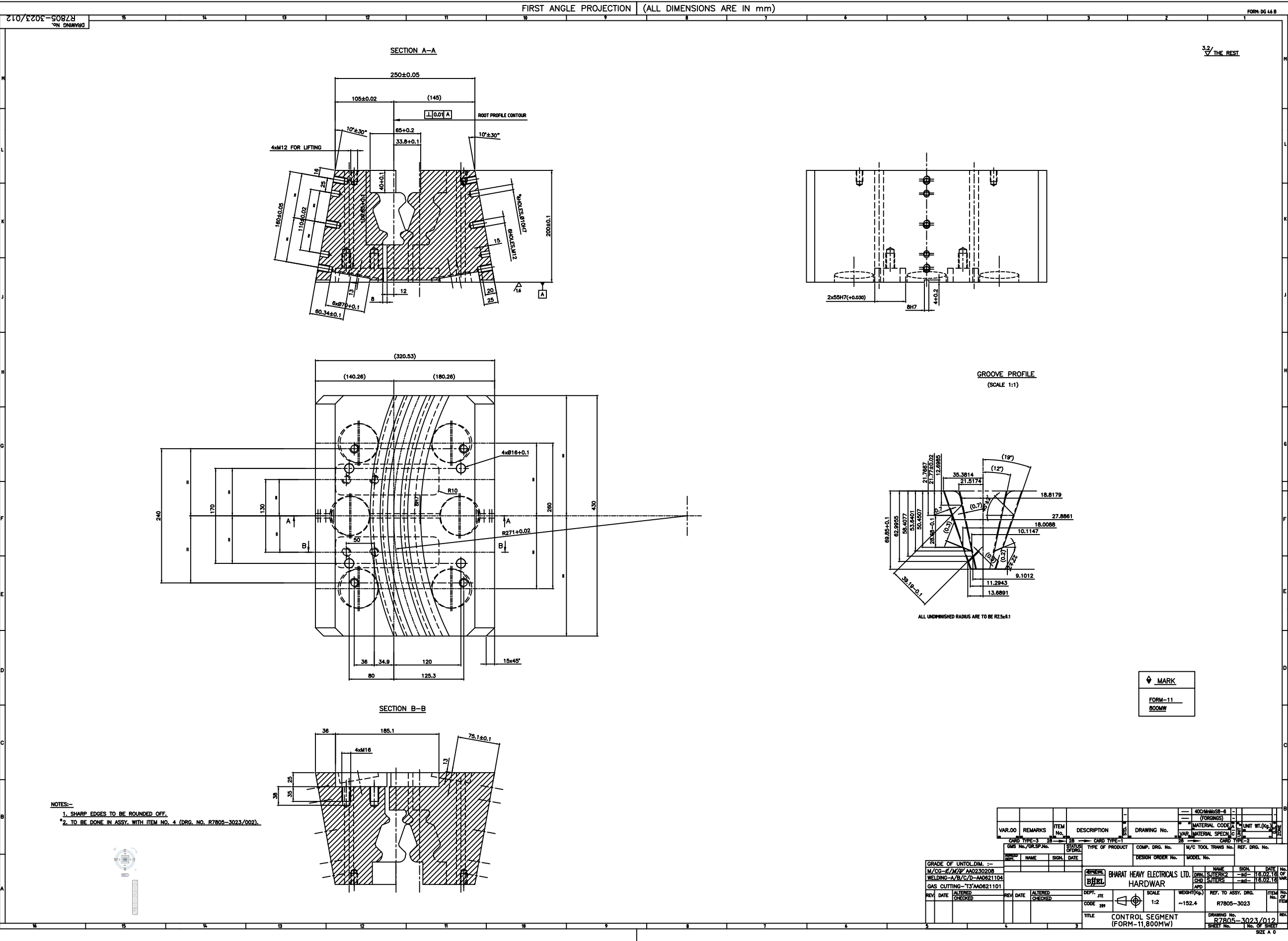
SECTION B-B



- NOTES:-
1. SHARP EDGES TO BE ROUNDED OFF.
 2. TO BE DONE IN ASSY. WITH ITEM NO. 4 (DRG. NO. R7805-3023/002).

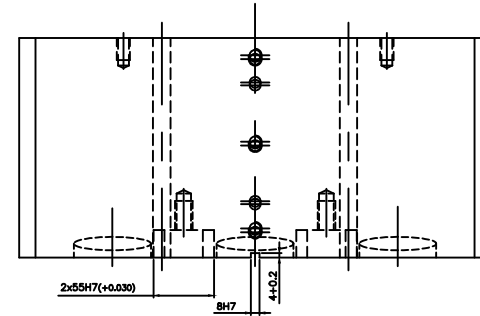
VAR.00	REMARKS	ITEM No.	DESCRIPTION	DRAWING No.	MATERIAL CODE	UNIT WT.(kg)
CARD TYPE-3			CARD TYPE-1	CARD TYPE-2		
GMS No./GRSP.No.			STATUS	COMP. DRG. No.	M/C TOOL TRANS No.	REF. DRG. No.
DESIGN No.			NAME	DATE	DESIGN ORDER No.	MODEL No.
GRADE OF UNTOL.DIM. :-			BHARAT HEAVY ELECTRICALS LTD.			
M/CO-2/2A/2/2A0230208			HARDWAR			
WELDING-A/S/C/O-A0221104			DIN. SUTPR2			
GAS CUTTING-T3/A0221101			DIN. SUTPR2			
REV	DATE	ALTERED	REV	DATE	ALTERED	NO. OF SHEET
1		CHECKED	1		CHECKED	1
DEPT. JTR			SCALE	WEIGHT(kg)	REF. TO ASSY. DRG.	ITEM No.
CODE 209			1:2	~152.4	R7805-3023	209
TITLE			CONTROL SEGMENT (FORM-20S, 800MW)		DRAWING No. R7805-3023/013	
					SHEET No.	

INVENTORY NO. SIGNATURE REF. DRG. No. COPYRIGHT AND CONFIDENTIALITY INFORMATION ON THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED, MUST BE MAINTAINED IN ALL FORMS AND DOCUMENTS.

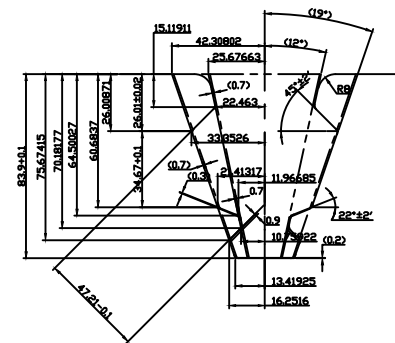


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3.2/ THE REST



ALL UNDIMINISHED RADIUS ARE TO BE R2.5±0.1



ALL UNDIMINISHED RADIUS ARE TO BE R2.5±0.1

MARK

MARK

GRADE OF UNTOLDIM. :-
M/CG-E/M/F AA0230208
WELDING-A/B/C/D-AA062110-
GAS CUTTING-T3'AA0621101

GRADE OF UNITS/DIM. 1- M/CG-E/NO-AD203028				DESIGN VENDOR NO.		MODEL NO.			
WELDING-A/B/C/D-AAD021104				REVISED DATE	BHARAT HEAVY ELECTRICALS LTD.		SIGNAL		DATE
GAS CUTTING-TSYA0621101					HARDWARE		SIGNAL		DATE
REV.	DATE	ALTERNATE CHECKED	REV.	DATE	ALTERNATE CHECKED	DRAWN BY	SIGNED BY	DATE	NO. OF SHEETS
5			4				1/2	~152.4	R7805-3023 1 No. OF SHET
TITLE						DRAWING No.		REV.	
CONTROL SEGMENT (FDRH-17,660MW)						R7805-3023/011			
						P7805-3023/011			
						1 No. OF SHET			

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OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF COMPANY.

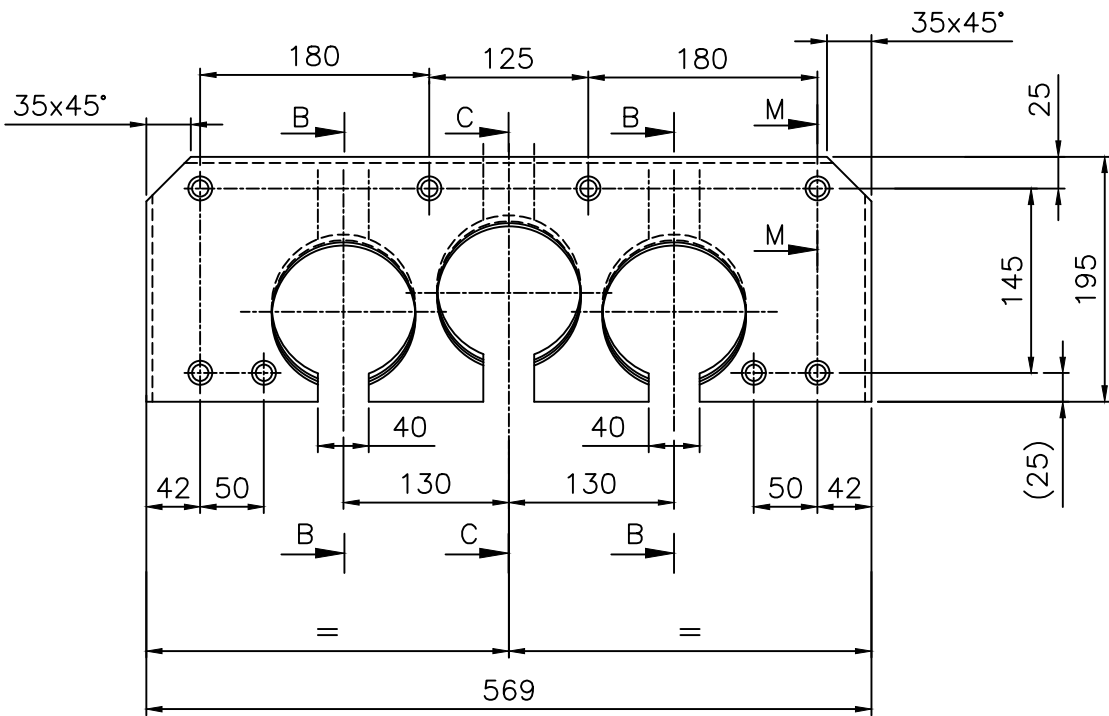
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

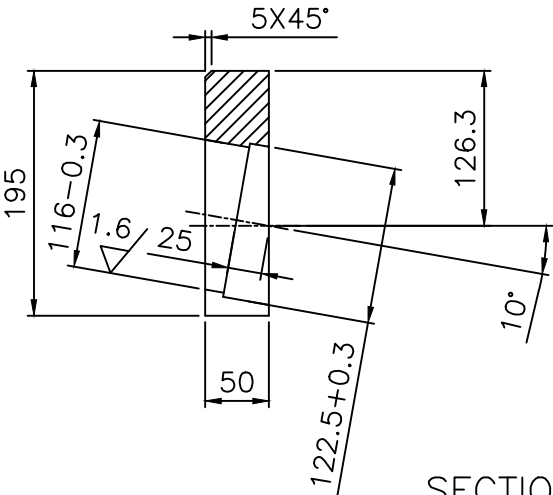
FORM DG38(B)

DRAWING No.
R7805-3023/009

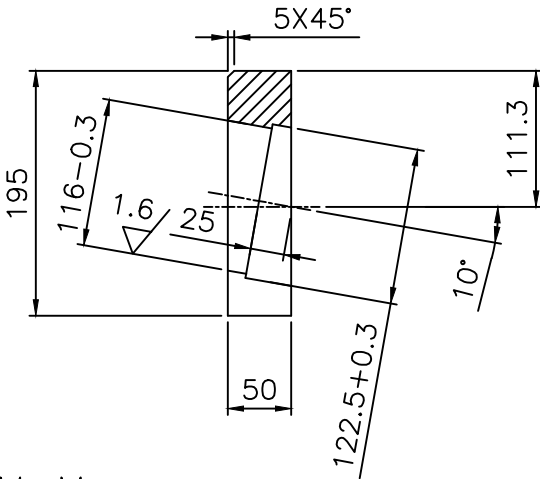
3.2/
THE REST



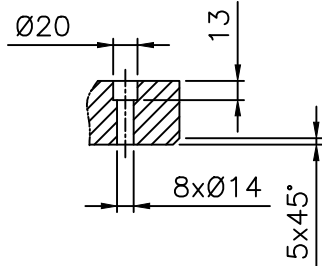
SECTION B-B



SECTION C-C



SECTION M-M



NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.
2. TO BE CARBURISED & HARDENED HRc 55-60
AS PER P.S.0912.002.

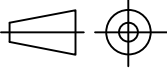
				-		13Ni3Cr80			
						AA10503			
VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD	DRAWING No.	MATERIAL CODE	A	UNIT	UNIT WEIGHT
						MATERIAL SPECN.	c		QTY.

GMS No./GR.SP.No.				STATUS OF DRG		TYPE OF PRODUCT		COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.	
AGREED DEPT.	NAME	SIGN.	DATE					DESIGN ORDER No.		M/C MODEL No.			
GRADE OF UNTOL. DIM.:—													
M/CG- C /M/F AA0230208													
WELDING-A/B/C/D AA0621104													
GAS CUTTING-'T3' AA0621101													
REV	DATE	ALTERED		REV	DATE	ALTERED		DEPT. JTE		SCALE	WEIGHT(Kg)	REF.TO ASSY. DRG.	ITEM No. OF
		CHECKED				CHECKED		CODE 209		1:5	~30.0	R7805-3023	ITEMS
								TITLE				DRAWING No.	REV
								LOCKING PLATE				R7805-3023/009	
												SHEET No. 01	No. OF SHEETS 01



BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

	NAME	SIGN.	DATE	No. OF VAR.
DRN	SJTERK2	-SD-	16.02.16	
CHD	SJTERS	-SD-	16.02.16	
APD				



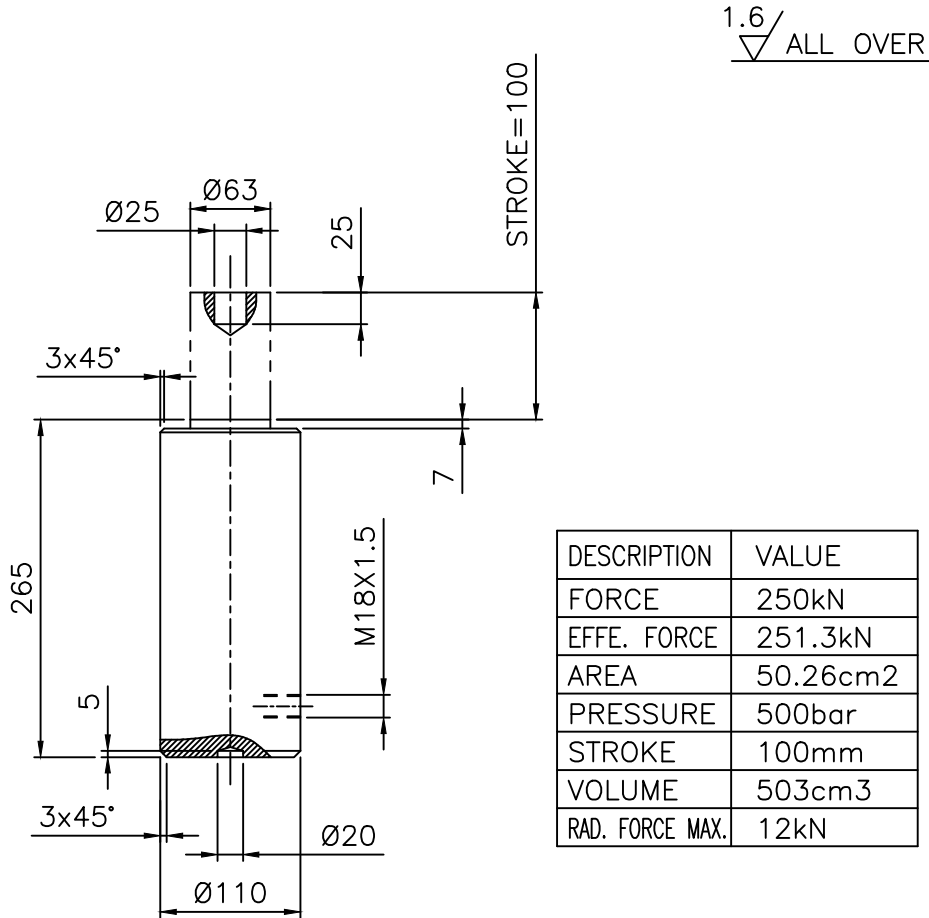
SIZE A 3

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMSNo./GR.SP.No.			STATUS OF DRG.
R7805-3023/008						AGREED DEPT.	NAME	SIGN.	DATE
GRADE OF UNTOL. DIM.M/CG- L /M/F/-AA0230208			WELDING A/B/C/D AA0621104			GASCUTTING-T3'AA0621101			



NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.

DRG FOR REFERENCE ONLY

	-		
	-		
	MATERIAL CODE		
	MATERIAL SPEC.		



BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

	NAME	SIGN	DATE	No. OF VAR
DRN	SJTERK2	-SD-	16.02.16	
CHD	SJTERS	-SD-	16.02.16	
APD				

DEPT	JTE	SCALE	1:5	WEIGHT(Kg)	~9.1	REF. TO ASSY. DRG.	ITEM No.	No. OF ITEM
CODE	209					R7805-3023		
TITLE				DRAWING No.				REV
HYDRAULIC CYLINDER				R7805-3023/008				
				SHEET No.	01	No. OF SHEETS	01	

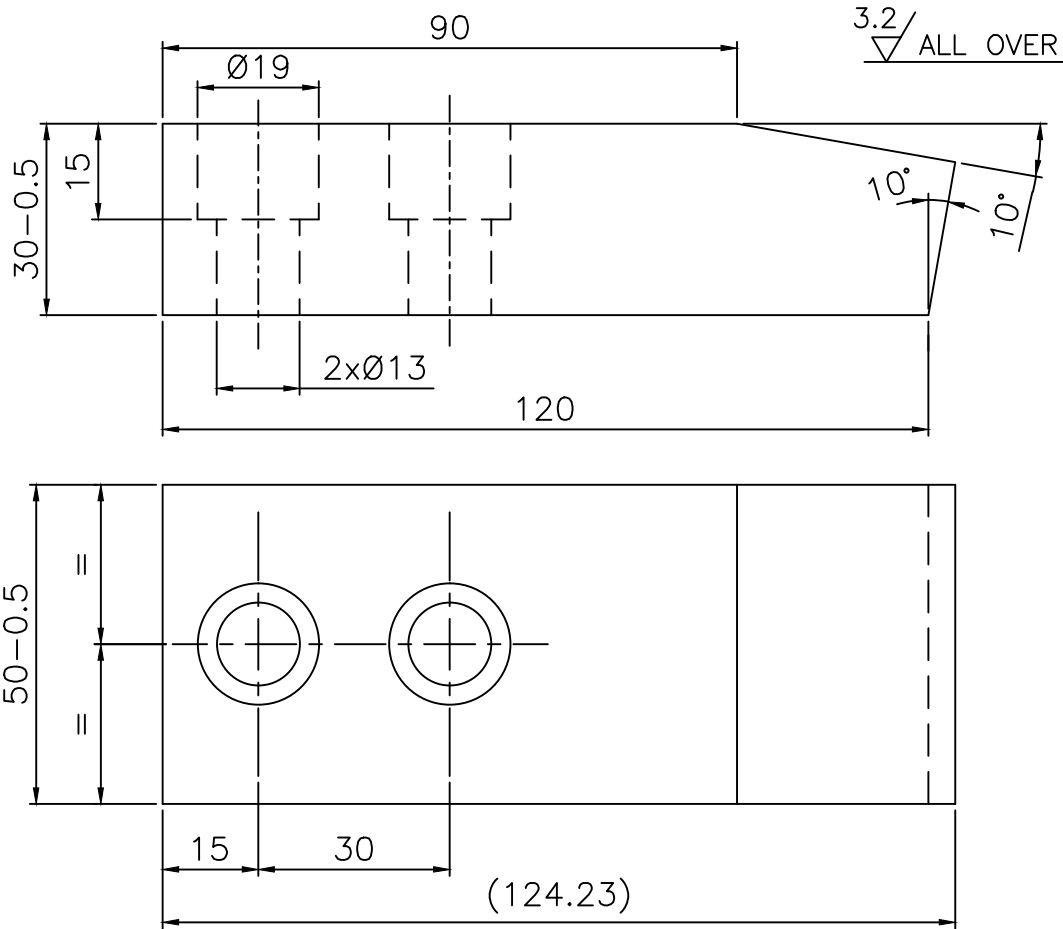
SIZE A4

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

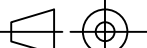
REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMSNo./GR.SP.No.		STATUS OF DRG.	
R7805-3023/007						AGREED DEPT.	NAME	SIGN.	DATE
GRADE OF UNTOL. DIM.M/CG- L /M/F/-AA0230208			WELDING A/B/C/D AA0621104			GASCUTTING-'T3'AA0621101			



NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.
2. TO BE CARBURISE & HARDEN TO HRC 55-60 AS PER P.S. 0912.002.

	13Ni3Cr80		
	AA10503		
	MATERIAL CODE		
	MATERIAL SPEC.		

बी.एचई.एल. BHEL		BHARAT HEAVY ELECTRICALS LTD. HARDWAR		NAME		SIGN	DATE	No.	
				DRN	SJTERK2	—SD—	16.02.16	OF	
				CHD	SJTERS	—SD—	16.02.16	VAR	
				APD					
DEPT	JTE		SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG. R7805—3023			ITEM No.	No. OF ITEM
CODE	209		1:1						
TITLE					DRAWING No.			REV	
REST PLATE					R7805—3023/007				
					SHEET No.		01		No. OF SHEETS

--	--	--	--	--	--	--	--	--	--	--	--

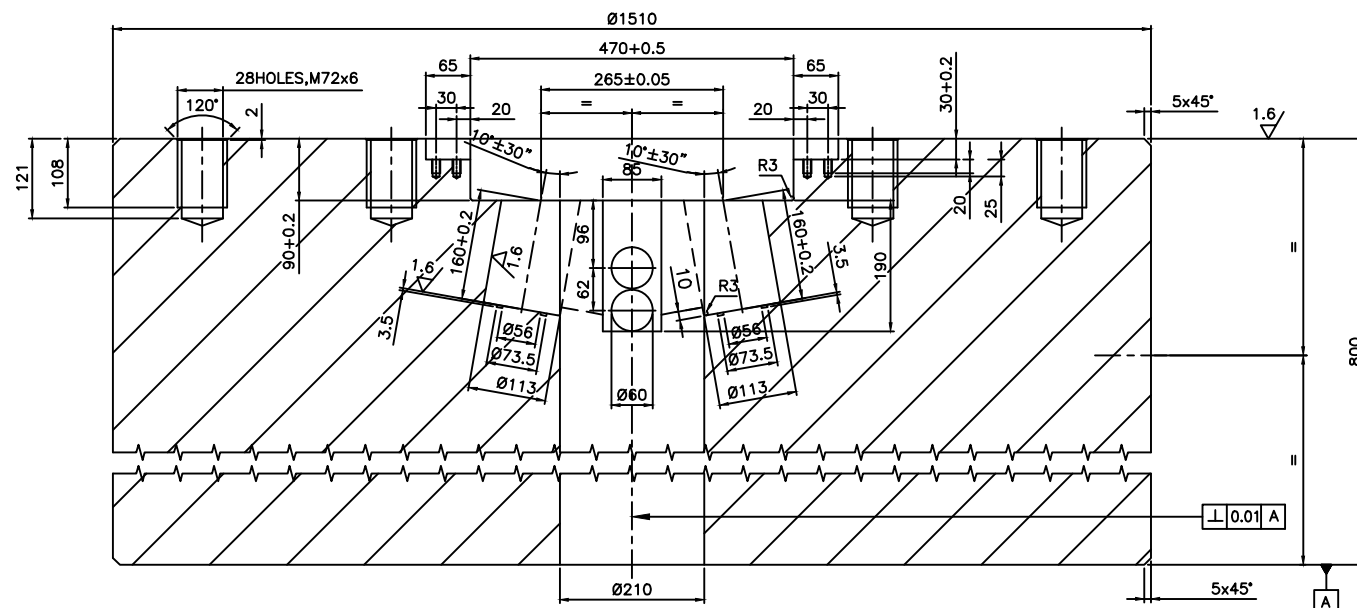
SIZE A4

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN m.m.)

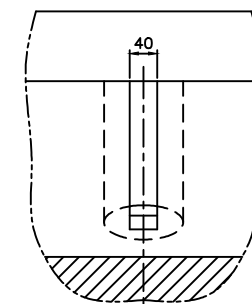
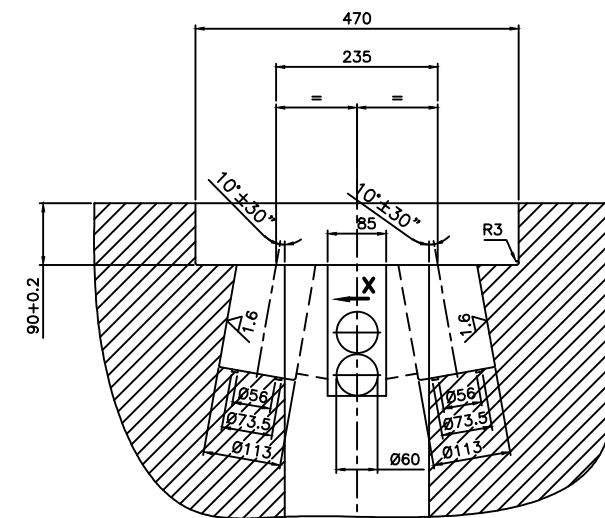
FORM DG 45(B)

DRAWING No. R7805-3023/006

SECTION A-A

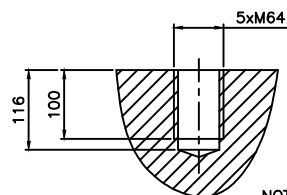
3.2/
THE REST

SECTION B-B



VIEW-X

SECTION P-P



NOTES:-

1. SHARP EDGES TO BE ROUNDED OFF.

4HOLES,M64 EQUALLY SPACED FOR LIFTING (AS SHOWN)

VAR.00	REMARKS	ITEM No.	DESCRIPTION	DWG No.	30CrMoNiV5-11 (FORGINGS)	MATERIAL CODE	UNIT WEIGHT	QTY.

GMS No./GR.SP.No.	STATUS OF DRG.	TYPE OF PRODUCT	COMP. DRG. No.	M/C TOOL TRANS No.	REF. DRG. No.

GRADE OF UNTOL.DIM. :-
M/CG-Z/M/F AA023020B
WELDING-A/B/C/D-AA0621104
GAS CUTTING-'T3'AA0621101

BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

NAME SIGN. DATE No. OF VAR.
DRN. SJTERK2 -SD- 16.02.16
CHD SJTERS -SD- 16.02.16
APD

DEPT. JTE
CODE 209

SCALE 1:5
WEIGHT(Kg.) ~10531

REF. TO ASSY. DRG. R7805-3023
ITEM No. No. OF ITEM

TITLE
BASE BLOCK

DRAWING No. R7805-3023/006
SHEET No. 01 No. OF SHEET 01

SIZE A 1

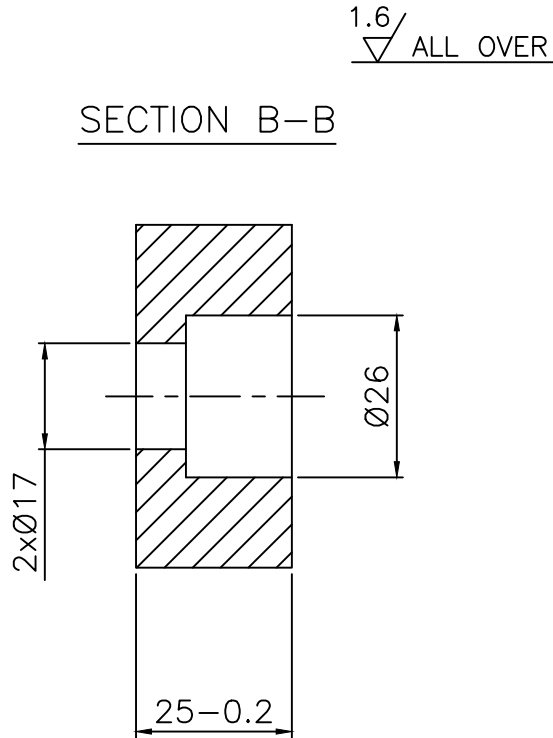
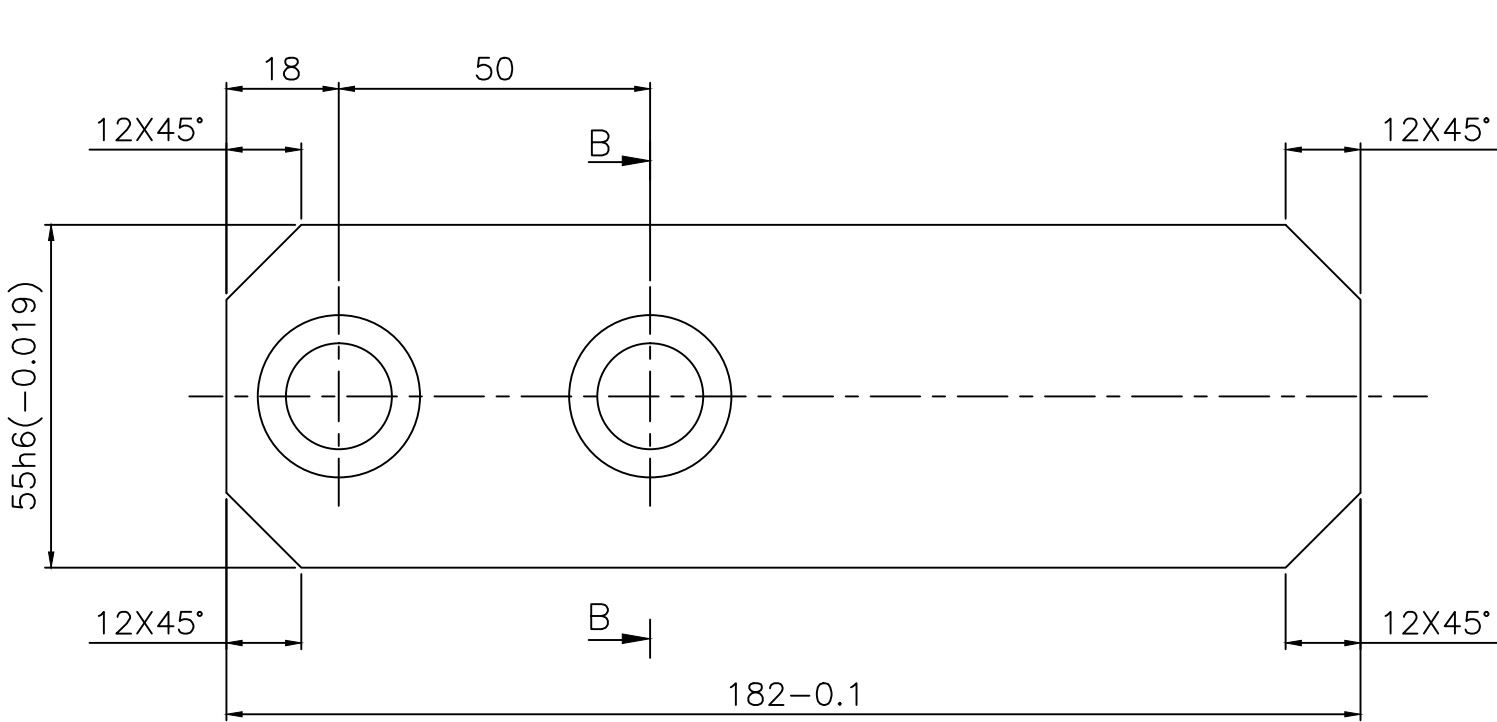
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING No.
R7805-3023/005



NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.
2. TO BE CARBURISE & HARDEN TO HRC 55-60 AS PER P.S. 0912.002.

						13Ni3Cr80			
						AA10503			
VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD	DRAWING No.	MATERIAL CODE	A	UNIT	UNIT WEIGHT
						VAR. MATERIAL SPECN.	C		QTY.

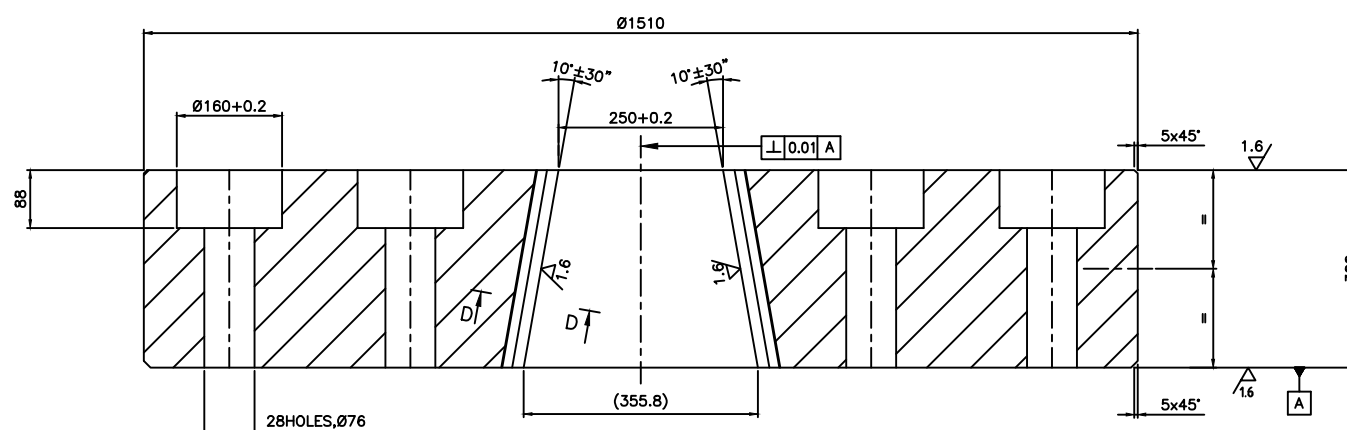
GMS No./GR.SP.No.			STATUS OF DRG.	TYPE OF PRODUCT	COMP. DRG. No.	M/C TOOL TRANS No.	REF. DRG. No.		
AGREED DEPT.	NAME	SIGN.			DESIGN ORDER No.	M/C MODEL No.			

GRADE OF UNTOL. DIM.:—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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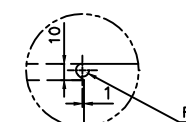
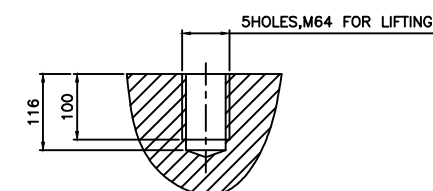
SIZE A 3

DRAWING No. R7805-3023/004

SECTION A-A

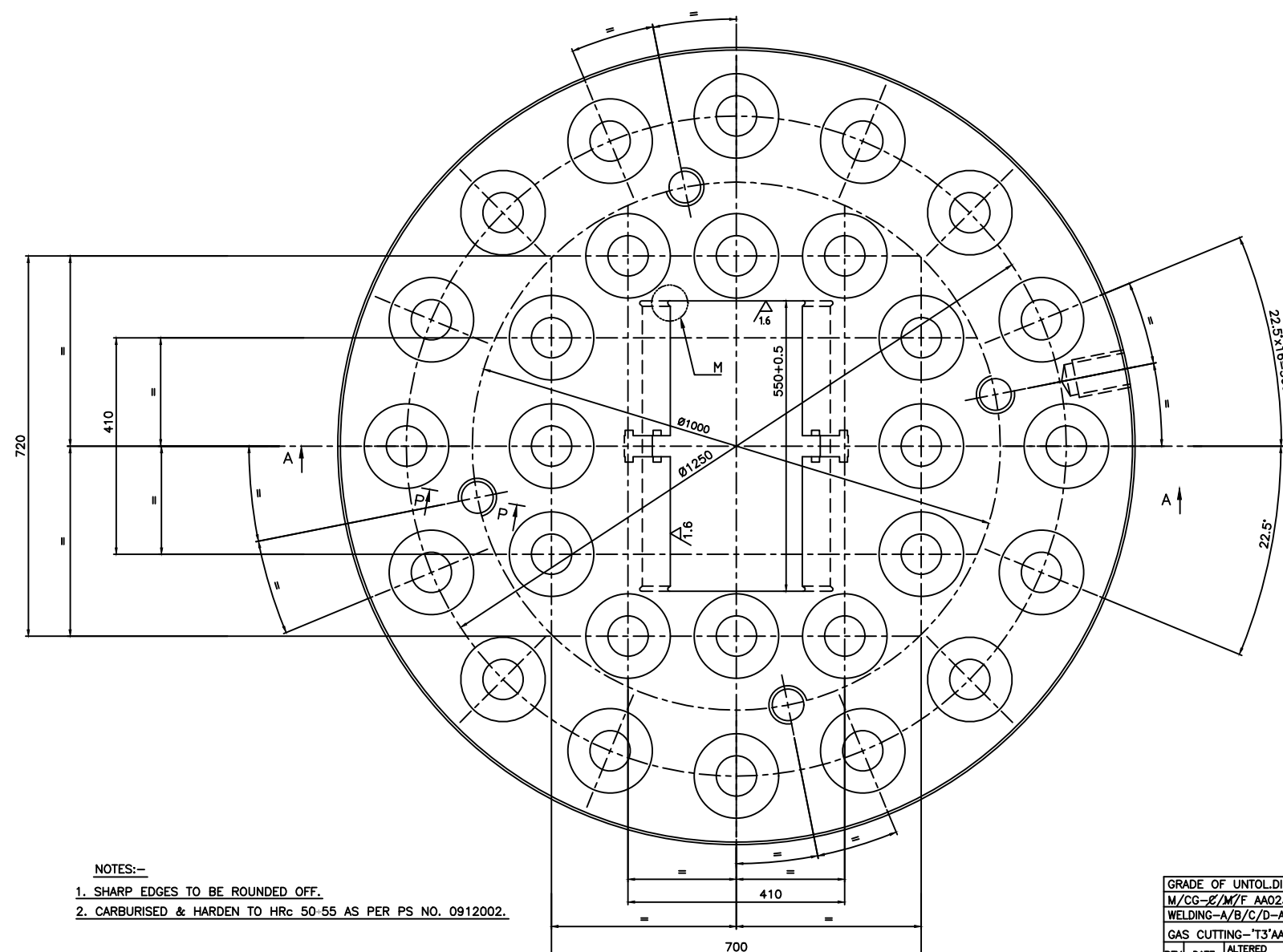
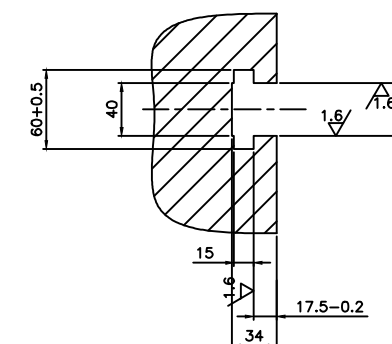


SECTION P-P



DETAIL—M
(SCALE 1:2)

SECTION D-D
(SCALE 1:2.5)



1. SHARP EDGES TO BE ROUNDED OFF.
2. CARBURISED & HARDEN TO HRc 50-55 AS PER PS NO. 0912002.

[illegible]

GMS No./GR.SP.No.				TYPE OF PRODUCT		COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.			
STATUS OF DRG.				BHARAT HEAVY ELECTRICALS LTD. HARDWAR		DESIGN ORDER No.		MODEL No.					
AGRED DEPT.	NAME	SIGN.	DATE										
GRADE OF UNTOL.DIM. :-								NAME		SIGN.		DATE	
M/CG- E /M/F AA0230208						DRN. SJTERK2		-SD-		16.02.18			
WELDING-A/B/C/D-AA0621104						CHD SJTERS		-SD-		16.02.18			
GAS CUTTING-T3/AA0621101						APD							
REV.	DATE	ALTERED CHECKED		REV.	DATE	ALTERED CHECKED							
				DEPT. JTE		SCALE		WEIGHT(Kg.)		REF. TO ASSY. DRG.		ITEM No.	
				CODE 209				1:5		~3204.5		R7805-3023	
				TITLE		TOP PLATE				DRAWING No.		R7805-3023/004	
										SHEET No. 01		No. OF SHEET	

NO. OF SHEET
SIZE A 1

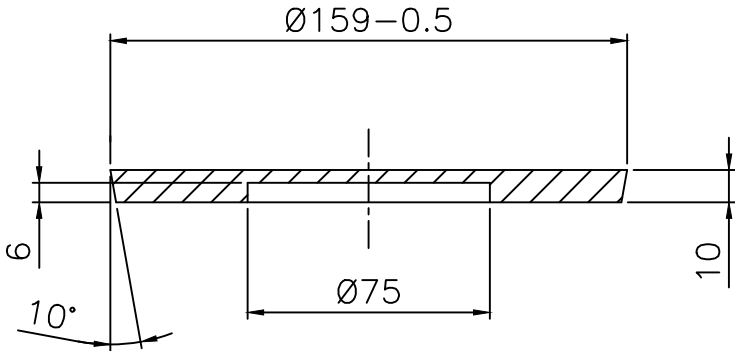
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMSNo./GR.SP.No.			STATUS OF DRG.
		CHECKED			CHECKED				
R7805-3023/003						AGREED DEPT.	NAME	SIGN.	DATE
GRADE OF UNTOL. DIM.M/CG- L / M / F /-AA0230208				WELDING A/B/C/D AA0621104		GASCUTTING-'T3'AA0621101			

3.2/
▽ ALL OVER



NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.

	MILD STEEL			
	—			
	MATERIAL CODE			
	MATERIAL SPEC.			



BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

	NAME	SIGN	DATE	No.	
DRN	SJTERK2	—SD—	16.02.16	OF	
CHD	SJTERS	—SD—	16.02.16	VAR	
APD					
g)	REF. TO ASSY. DRG.			ITEM No.	No. OF ITEM
3	R7805—3023				
	DRAWING No. R7805—3023/003			REV	
SHEET No.		01	No. OF SHEETS		01

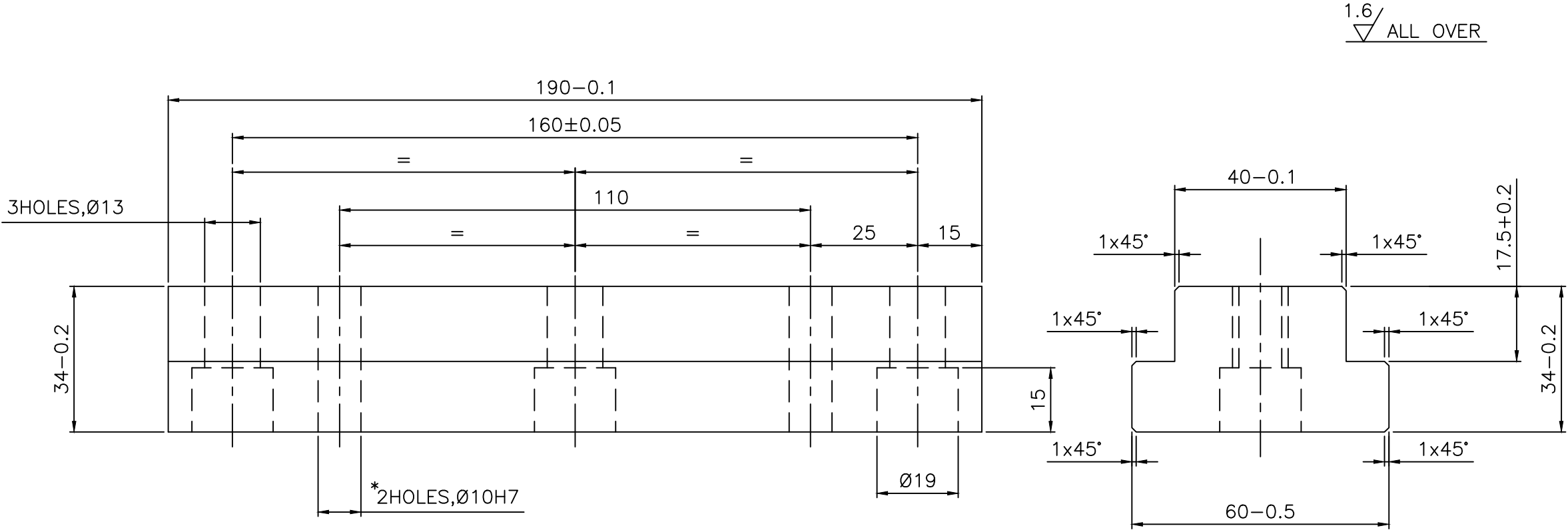
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING No.
R7805-3023/002



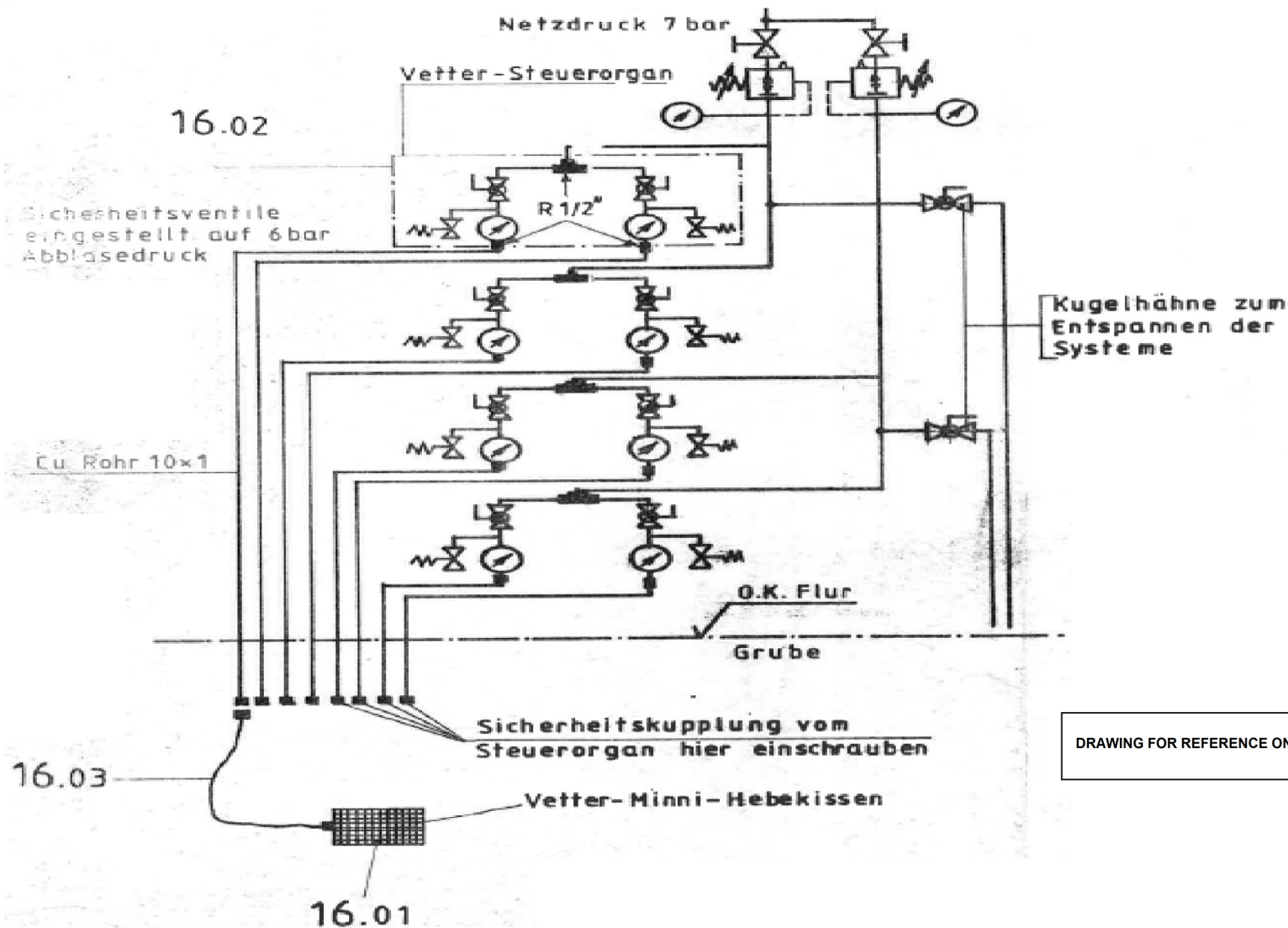
NOTE:-

1. SHARP EDGES TO BE ROUNDED OFF.
2. TO BE CARBURISE & HARDENED TO HRc 50-55 AS PER P.S.0912.002.
- *3. TO BE DONE IN ASSY. WITH CONTROL SEGMENT.

				I		13Ni3Cr80			
						AA10503			
VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD	DRAWING No.	MATERIAL CODE	A	UNIT	UNIT WEIGHT
						MATERIAL SPECN.	c		QTY.

GMS No./GR.SP.No.				STATUS OF DRG.	TYPE OF PRODUCT	COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.			
AGREED DEPT.	NAME	SIGN.	DATE			DESIGN ORDER No.		M/C MODEL No.					
					बी.एच.ई.एल. BHEL	BHARAT HEAVY ELECTRICALS LTD. HARDWAR			NAME	SIGN.	DATE	No. OF VAR.	
								DRN	SJTERK2	—SD—	16.02.16		
								CHD	SJTERS	—SD—	16.02.16		
								APD					
REV.	DATE	ALTERED			DEPT. JTE		SCALE	WEIGHT(Kg)	REF.TO ASSY. DRG.		ITEM	No. OF ITEMS	
		CHECKED			CODE 209		1:1	~2.5	R7805—3023		No		
					TITLE KEY				DRAWING No. R7805—3023/002		REV		
									SHEET No. 01		No. OF SHEETS 01		

SIZE A 3

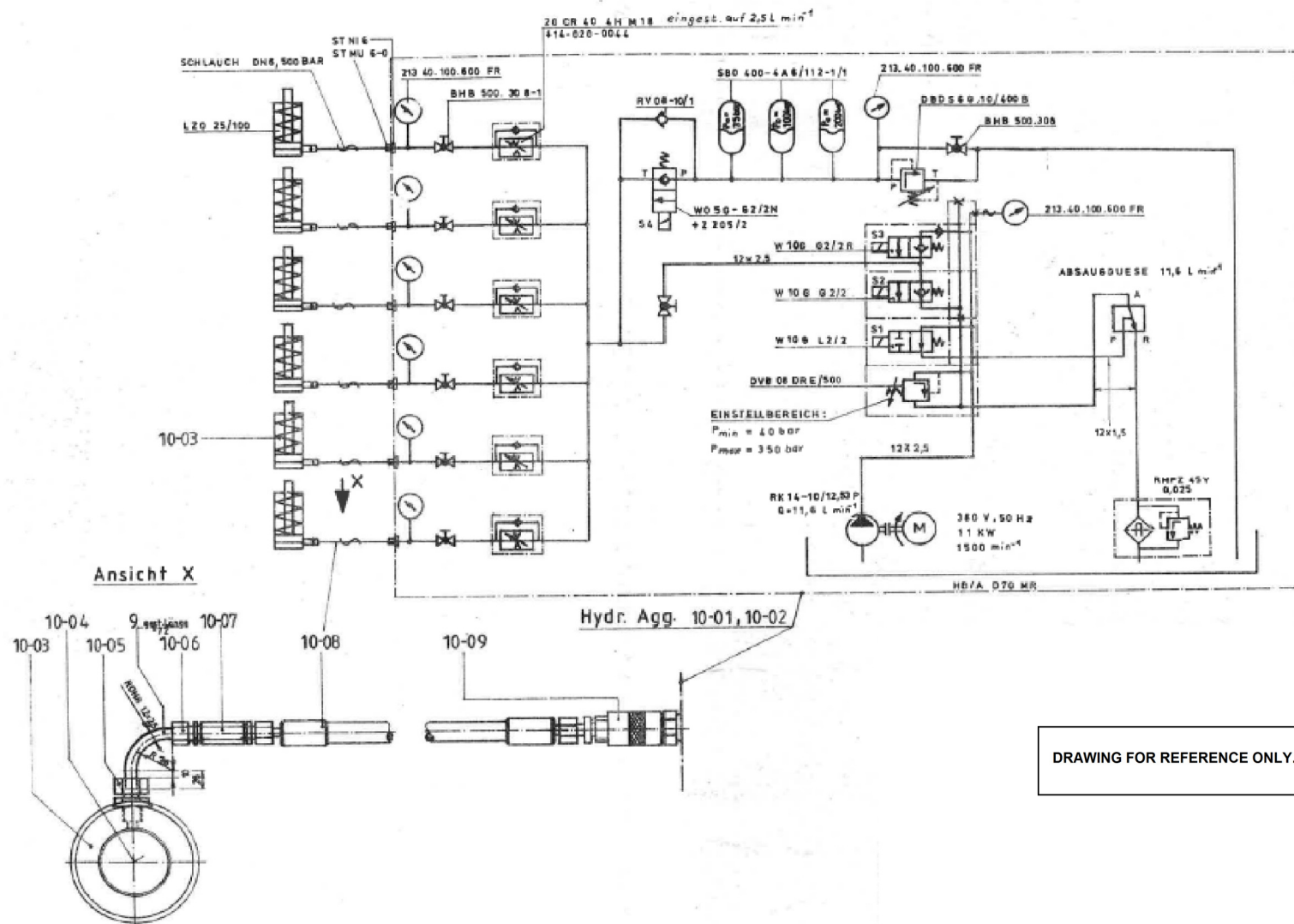


DRAWING FOR REFERENCE ONLY.

NOTE:-

THIS CIRCUIT DIAGRAM IS FOR TWO PARALLEL FREQUENCY RIGS HAVING 08 AIR BAGS (04 AIR BAGS FOR EACH RIG).
VENDOR MAY MODIFY THIS DIAGRAM ACCORDING TO 04 AIR BAGS.

[illegible]



DRAWING FOR REFERENCE ONLY.

[illegible]