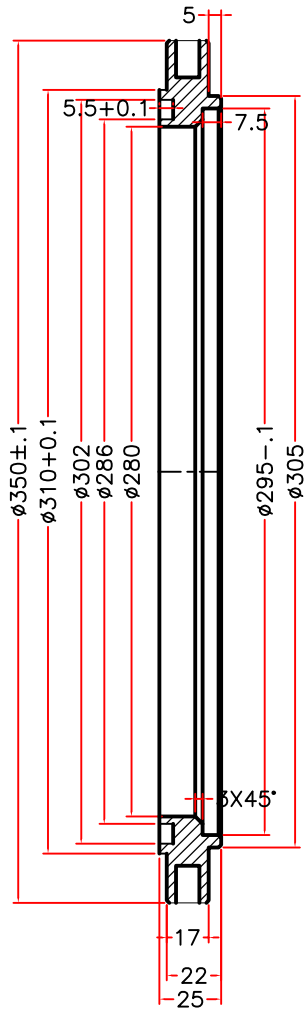


RDDG43513050_1712

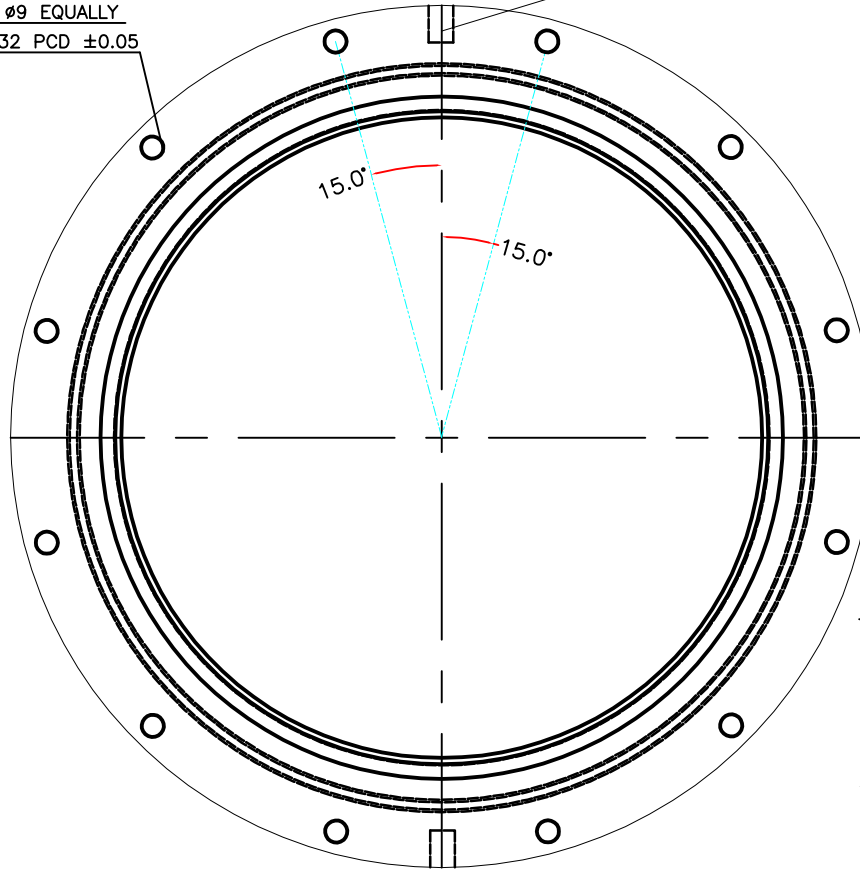
DRAWING NO

INVENTORY NO SIGN & DATE REF. DRG. NO. 2317 00 0160-300-001 THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.



12 HOLES $\phi 9$ EQUALLY
SPACED ON 332 PCD ± 0.05

2 HOLES M10x15 DEEP



NOTES:-

1. FINISHED (FINAL) DIMENSIONS ARE GIVEN IN THIS DRG. HOWEVER THE SUPPLIER SHOULD PROVIDE NECESSARY MACHINING ALLOWANCES AS FINAL MACHINING TO BE DONE AFTER WELDING TO ACHIEVE DESIRED ACCURACY
2. THIS DIMENSION SHOULD CORRESPOND TO O.D

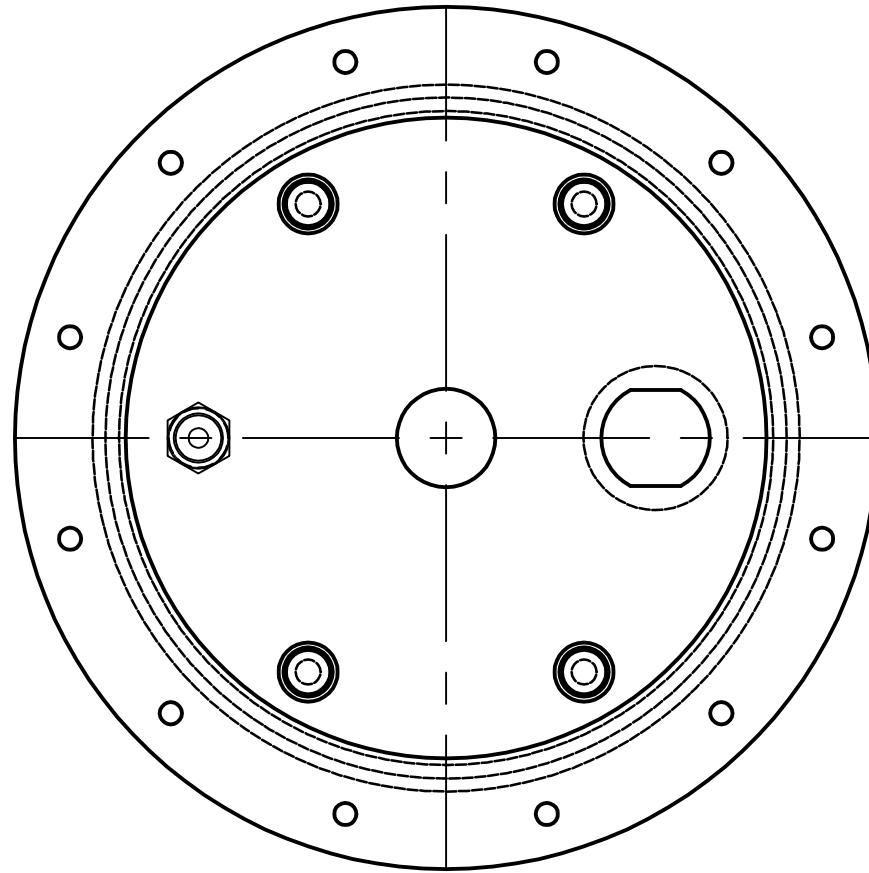
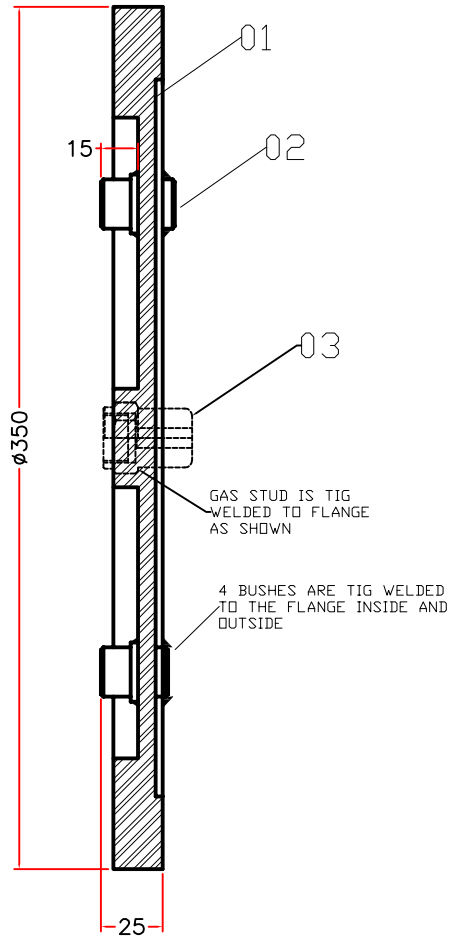
CTQ :- CRITICAL TO QUALITY

001		BLANK		OD 350X25MM		SS 304		-		01	
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATL. CODE	UNIT	WT.	QTY.	ZONE	

ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT			
STATUS OF DRAWING				33kV/40KA DOUBLE BUS GIS			
DISTRIBUTION OF PRINTS				BHARAT HEAVY ELECTRICALS LTD. BHOPAL			
SWE	SWM	TCX		DRN. CKD.	NAME	SIGN	DATE
1	3	1		MMR			07.02.14
DEPT. SWE				REF. TO ASSY. DRG.			
CODE 409				RDDG43513050_1710			
TITLE				DRAWING NO.			
FLANGE-2				RDDG43513050_1712			
SHEET NO. 01				NO. OF SHEETS 01			

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED			APPROVED

DRAWING NO. RDDG43512035_1721



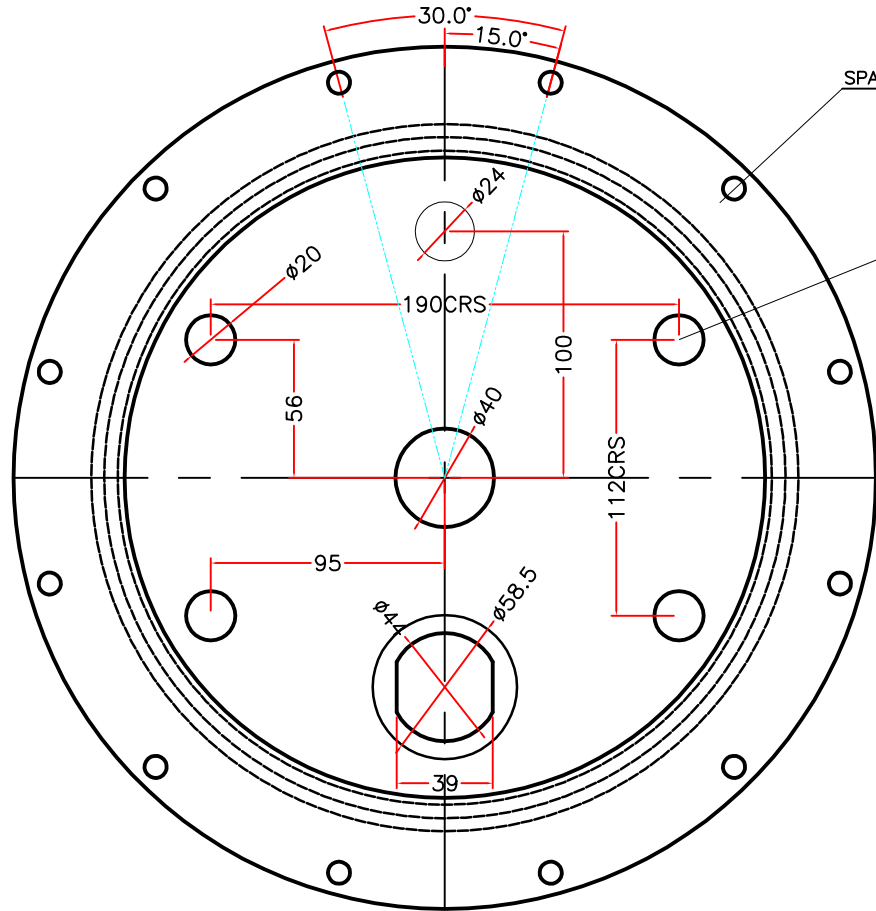
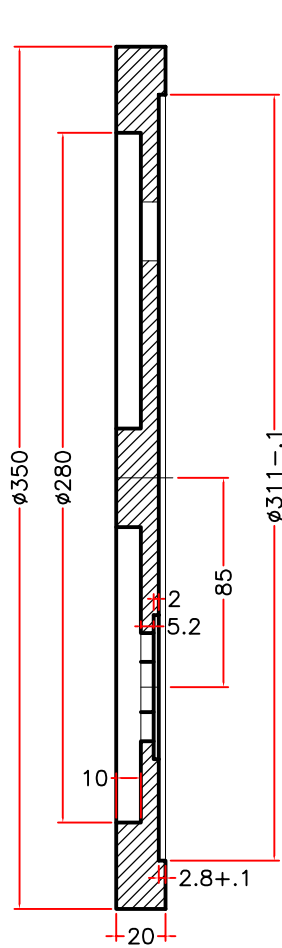
ITEM NO.	DESCRIPTION	DRAWING NO.	MATL. CODE	UNIT	WT.	ZONE
001	BASE FLANGE	RDDG43513050_1721A	SS 304	01	-	
002	BUSH	RDDG43513050_1721B	SS 304	01	-	
003	GAS STUD	RDDG43513050_1304	S.S 304	01	-	

ADDITIONAL INFORMATION		TYPE OF PRODUCT 33kV/40kA DOUBLE BUS GIS	
STATUS OF DRAWING		NAME OF CUSTOMER / PROJECT	
DISTRIBUTION OF PRINTS		BHARAT HEAVY ELECTRICALS LTD. BHOPL DRN. SINK, CKD. MMR, APPD. NB, SIGN. DATE 07.02.14, NO. OF VAR.	
DEPT. SWE CODE 409	UNTOOL. DIMS. GR.	SCALE 1:1	WEIGHT < K.G. >
TITLE BASE FLANGE ASSY		REF. TO ASSY. DRG. RDDG43512035_1720	
DRAWING NO. RDDG43512035_1721		REV. NO. 00	
SHEET NO. 01		NO. OF SHEETS 01	

INVENTORY NO. SIGN & DATE REF. DRG. NO. THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
1		CHECKED	2		CHECKED	3		CHECKED	4		CHECKED	5		CHECKED
		APPROVED			APPROVED			APPROVED			APPROVED			APPROVED

DRAWING NO. RDDG43513050_1721A



12 HOLES $\phi 9$ EQUALLY
SPACED ON 332 PCD ± 0.05

4 NOS., $\phi 20$ CLEAR HOLES

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

2317 00 0160-300-001

001	BLANK	OD 350X20MM	SS 304	-	01
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	UNIT QTY.

NOTE : 1. ALL SHARP CORNERS ARE CHAMFERED TO 1.0X45°

ADDITIONAL INFORMATION		TYPE OF PRODUCT 33kV/40KA DOUBLE BUS GIS	
STATUS OF DRAWING		NAME OF CUSTOMER / PROJECT	
DISTRIBUTION OF PRINTS		BHARAT HEAVY ELECTRICALS LTD. BHOPAL	
DRN. SWE	CHKD. 409	NAME SNK	SIGN MMR
1	3	DATE 07.02.14	NO. OF VAR
TCX	1	APPD. NB	
REV.	DATE	ALTERED	REF. TO ASSY. DRG.
1		CHECKED	RDDG43513050_1721A
		APPROVED	ITEM NO.
			00
TITLE BASE FLANGE		DRAWING NO. RDDG43513050_1721A	
UNTL. DIMS. GR.		SHEET NO. 01	
SCALE 1:1		NO. OF SHEETS 01	
WEIGHT < K.G. >			

INVENTORY NO. SIGN & DATE

REF. DRG. NO.

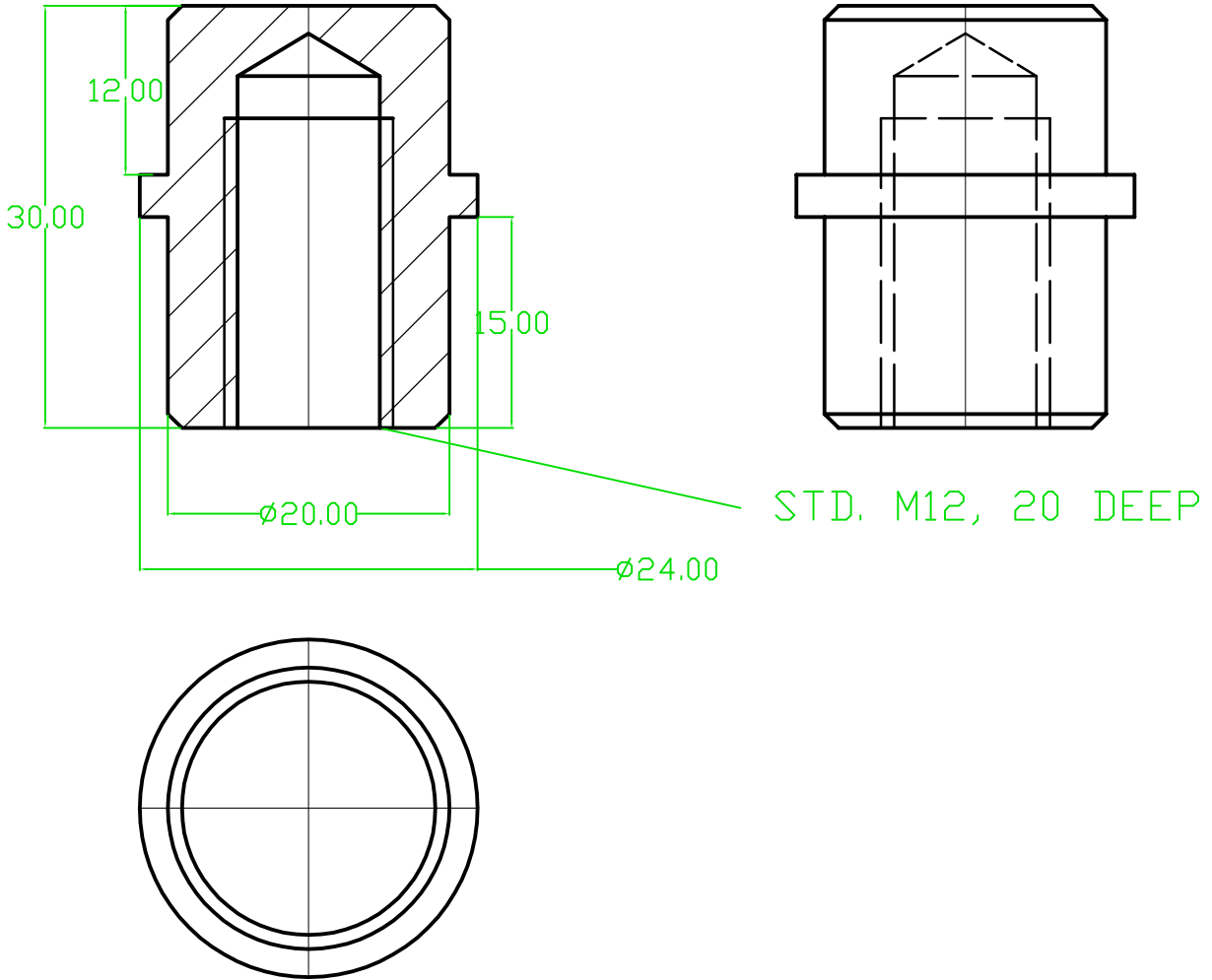
REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED			APPROVED
ZONE			ZONE			ZONE			ZONE		

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

REV.	DATE	ALTERED	REV.	DATE	ALTERED	ADDITIONAL INFORMATION			
		CHECKED			CHECKED	STATUS OF DRAWING			
		APPROVED			APPROVED	DISTRIBUTION OF PRINTS	SWE	SWM	TCX
							1	3	1



NOTE : 1. ALL SHARP CORNERS AND EDGES SHOULD BE CHAMFERED TO 0.5X45°

CZ-45170301503-R00-S01
REF. DRG. NO.

65	75	25	27	29	58	59	34	45	55	56	58	65
REMARKS	ITEM NO.	DESCRIPTION				STD	MATL. CODE	MATL. SPCN.	UNIT	UNIT WT.	QTY.	
	001	ROD OD24X30MJM					SS 304		KG.	0.096		

SIGN. & DATE

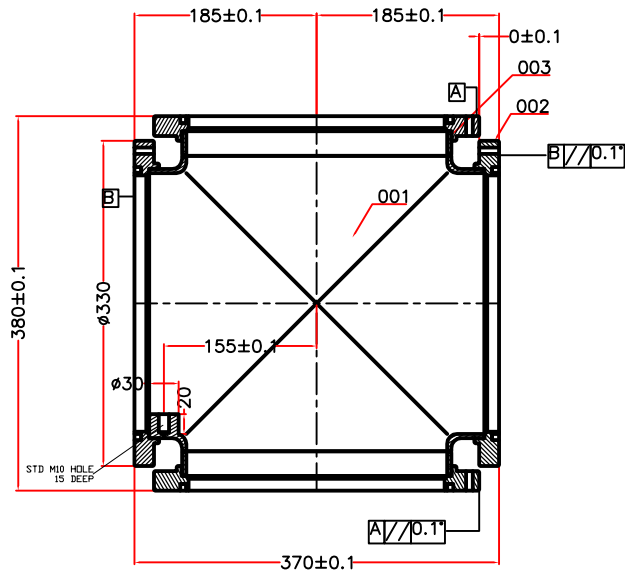
28	CARD TYPE-3	28	CARD TYPE-1	28	CARD TYPE-2
				uke NAME SNK glrk SIGN fnuokd DATE 12-02-14 osfj dh la;k NO. OF VAR.	

INVENTORY NO.

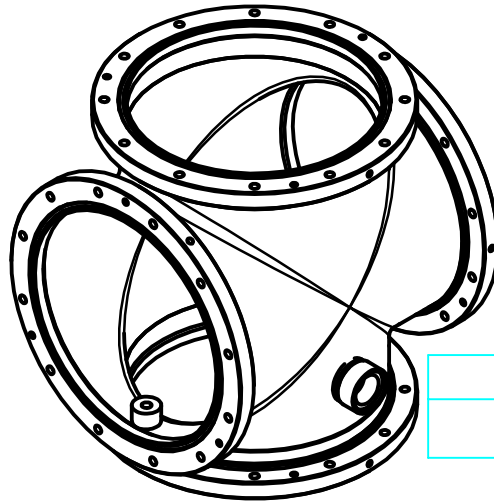
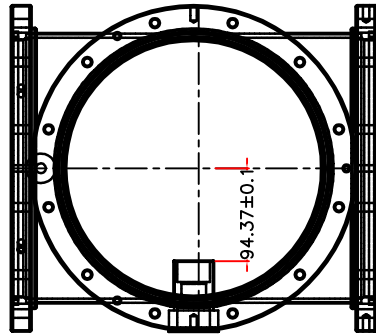
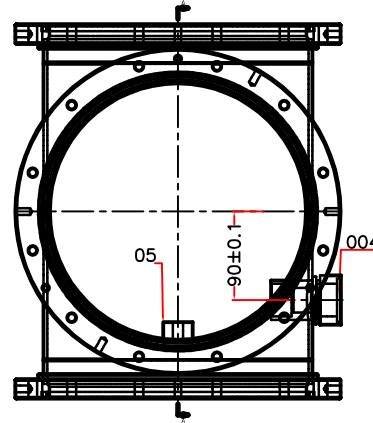
foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M AA 0230208		vujkr SCALE 1:1	HAKj fd_xk- WEIGHT (K.G.) -	vis_M&kbZax dk lanHAZ REF. TO ASSY. DRG. RDDG43513050_1721	en d- ITEM NO. 001	en la;k NO. OF ITEM 001
dkSM CODE 409	'Ah"AZHOLE BUSH (33kV/40kA DOUBLE BUS GIS)				vkjs[A d-DRAWING NO. RDDG43513050_1721B i="B d-SHT. No. 01 i="Bkso dh la;k NO. OF SHT. 01	iquREV. 00	

RDG43513050_21108

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.



SECTION A-A



NOTES :-

1. THE DIMENSIONS GIVEN IN THIS DRG. INCLUDING DIMENSIONS OF DETAILED COMPONENT ARE TO BE MAINTAINED BY MACHINING IN THIS ASSEMBLY. DETAILED COMPONENT DRAWINGS ARE SHOWING FINAL DIMENSIONS AND NECESSARY MACHINING ALLOWANCES ARE TO BE KEPT BY THE SUPPLIER FOR MACHINING/WELDING.
2. PARALLELISM AND PERPENDICULARITY OF ITEM 002 (EXTENSION PIPE) & 003 (FLANGES) SHOULD BE MAINTAINED THROUGH WELDING/FIXTURE/MACHINING.
3. IN ITEM 004 (RFT) BODY, THE FACE OF HOLE $\phi 44 \times 4$ DEEP SHOULD BE OUT SIDE THE PIPE. $\phi 40$ DIA HOLE FOR WELDING RFT BODY SHOULD BE DRILLED ACCURATELY.
4. ALL INSIDE WELDS SHOULD BE GROUND SMOOTH.
5. ALL WELDS TO BE CHECKED FOR 100% DP AND CERTIFIED WITH PUNCH MARK ON ASSEMBLY.
6. PIPE TO BE SAND/GLASS BEAD BLASTED FROM INSIDE AS WEL AS OUT SIDE TO BE DESCALE INSIDE SURFACE TO BE ELECTRO POLISHED.
7. POWDER COAT ALL EXTERNAL SURFACES (SIMENS GRAY) AFTER THROUGH CLEANING AND DEGREASING ASSEMBLY IN SOLVENT. PROTECT SEALING SURFACES USING SUITABLE MASK (AVOID USING GREASE, COTTON WASTE).
8. ALL FLANGE FACES AND RFT HOLE SHOULD BE PROTECTED USING SUITABLE MASK BEFORE PACKING FOR DESPATCH.
9. ALL JOINTS TO BE TIG / FUSION WELDED TO HAVE MINIMUM DISTORTION.
10. LEAK TEST SHOULD BE DONE USING 4 DUMMY FLANGES (RDDG43513050_2004).
11. PLEASE REFER SPECIFICATIONS PSGSG2012-13/028B FOR FURTHER SPECIFICATIONS AND CLARIFICATIONS.

CTQ :- CRITICAL TO QUALITY

ITEM NO.	DESCRIPTION	ITEM NO.	UNIT	QTY.	UNIT WT.	ZONE
005	BUSH	RDDG43513050_2114	SS-304	-	01	
004	RFT	RDDG43513050_2113	SS-304	-	01	
003	EXTENSION PIPE	RDDG43513050_2112	SS-304	-	02	
002	FLANGE-1	RDDG43513050_1112	SS-304	-	04	
001	ENCLOSURE-1U (R)	RDDG43513050_2111R	SS-304	-	01	

ADDITIONAL INFORMATION		TYPE OF PRODUCT 33kV/40kA DOUBLE BUS GIS	
STATUS OF DRAWING		NAME OF CUSTOMER / PROJECT	
DISTRIBUTION OF PRINTS		BHARAT HEAVY ELECTRICALS LTD. BHOPAL	
DRN. SWE	CHKD. MMR	NAME	SIGN
1	3	1	10.02.14
TCX	1	DATE	NO. OF VAR
1	1	DATE	NO. OF VAR
REV.	DATE	ALTERED	DATE
1		CHECKED	
2		APPROVED	
3		APPROVED	
4		APPROVED	
5		APPROVED	
6		APPROVED	
7		APPROVED	
8		APPROVED	
DEPT. SWE		UNTL. DIMS. GR.	SCALE
CODE 409			1:1
TITLE		WEIGHT < K.G. >	REF. TO ASSY. DRG.
ENCLOSURE ASSY-1U (RESRVE BUS)			RDDG43513050_2100R
			RDDG43513050_2110R
			RDDG43513050_2110R
			NO. OF SHEETS 01