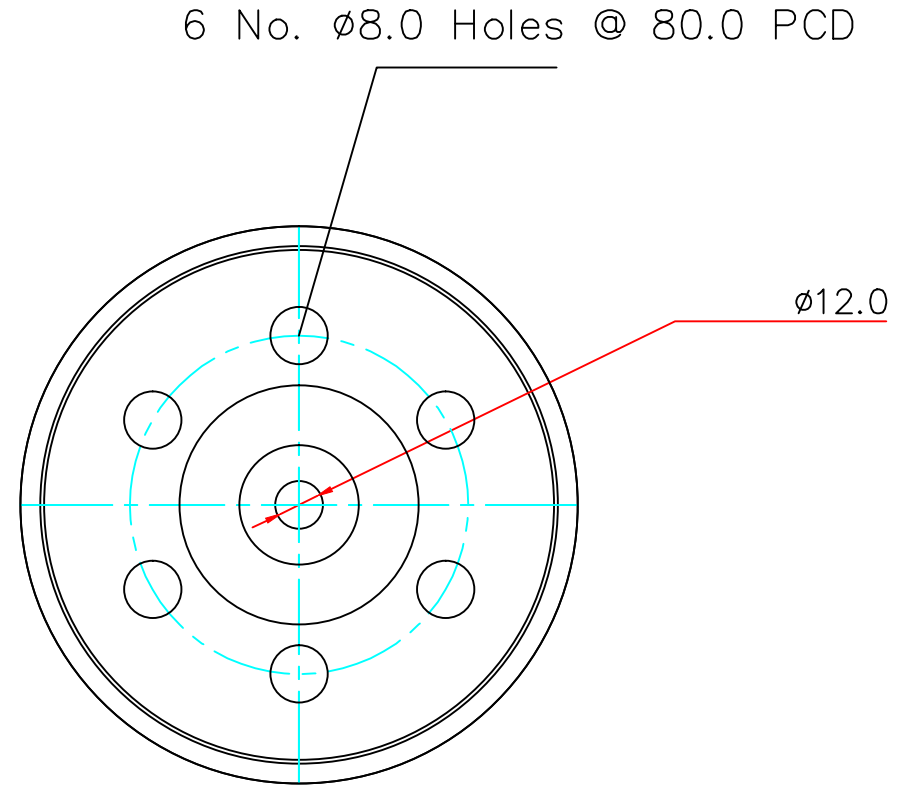
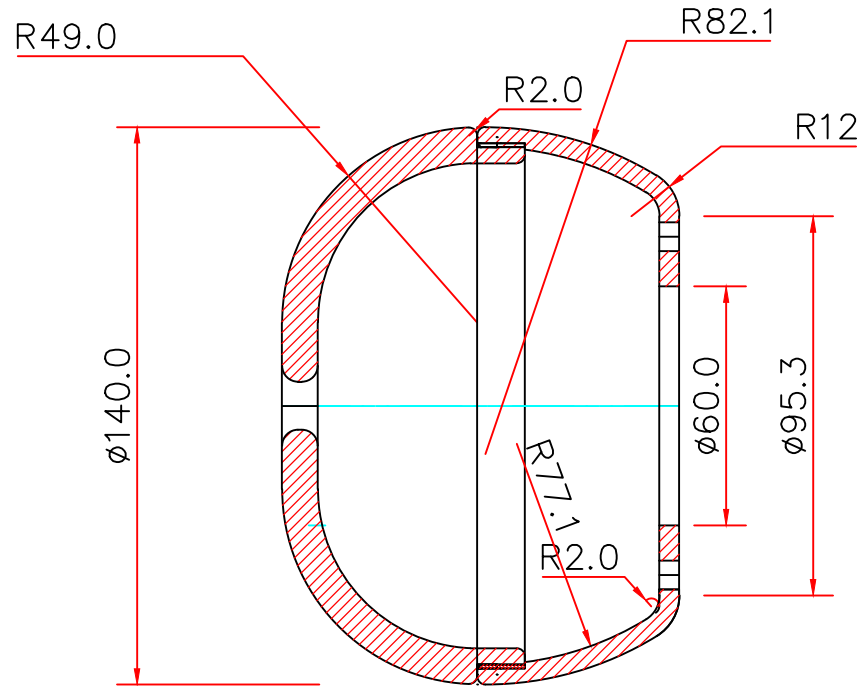




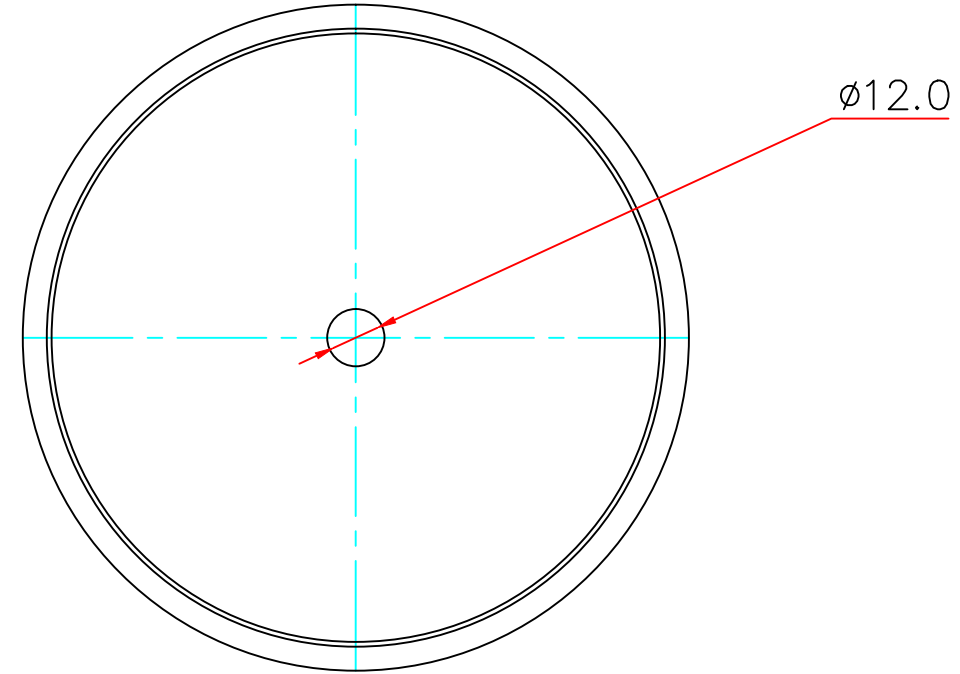
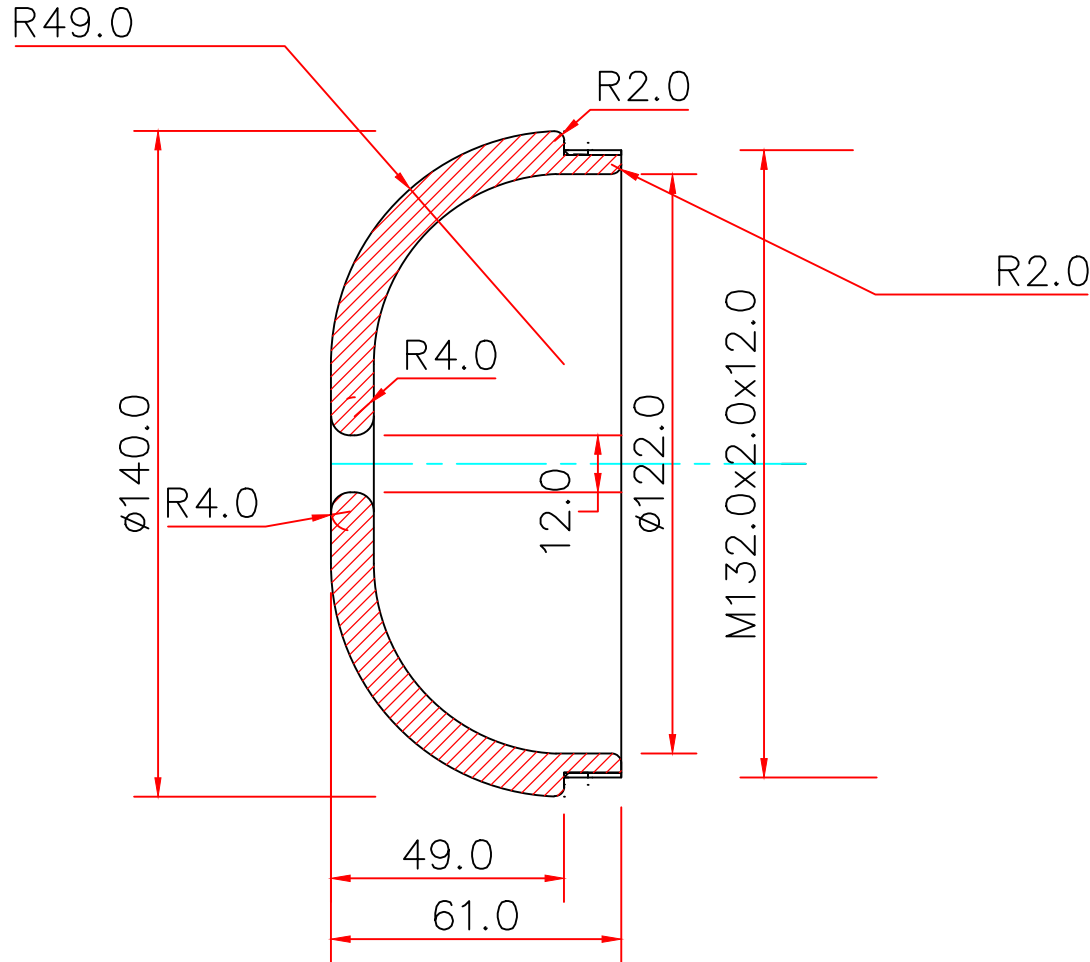
Note:

1. Component shall be CNC machined.
2. Electrical Grade Aluminium shall be used.
3. Helicoil (HC) Taps shall be provided.
4. Welding is not allowed.
5. Connection faces shall be silver plated.
6. components to be silver plated at phases
7. Taps Shall be located such that no cross connection is there.

VAR.00	REMARKS	VAR. NO.	ITEM NO.	COVER	90MMX75MM X 25MM	HE-30	IT.NO.	MATL. CODE	A	UNIT	UNIT WT.	GS	ZONE
				DESCRIPTION	DRAWING NO.	VAR	MATL. SPECN.	C			QTY.		

TYPE OF PRODUCT		GSM-245											
NAME OF CUSTOMER		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD											
DRN		NAME		SIGN.		DATE		NO.OF					
CKD		BSM				02.05.14		VAR.					
APPD		MMR				02.05.14		01					
DEPT.		GRADE OF		SCALE		WEIGHT(KG)		REF. TO		ITEM		NO.OF	
CODE		TOL. DIM.		NTS				RD DG 4 35 0517 2000 1		NO.		ITEMS	
TITLE		C/M/F						DRAWING NO.		REV.			
TERMINAL SHIELD								RD DG 4 35 0517 2035					
CARD CODE								SHEET NO.		NO. OF SHEETS			

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



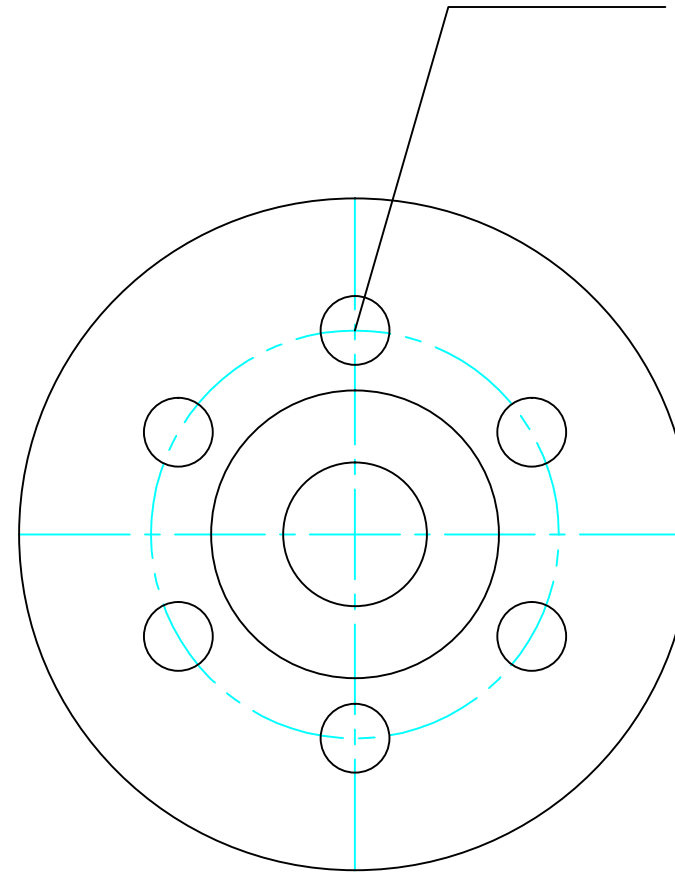
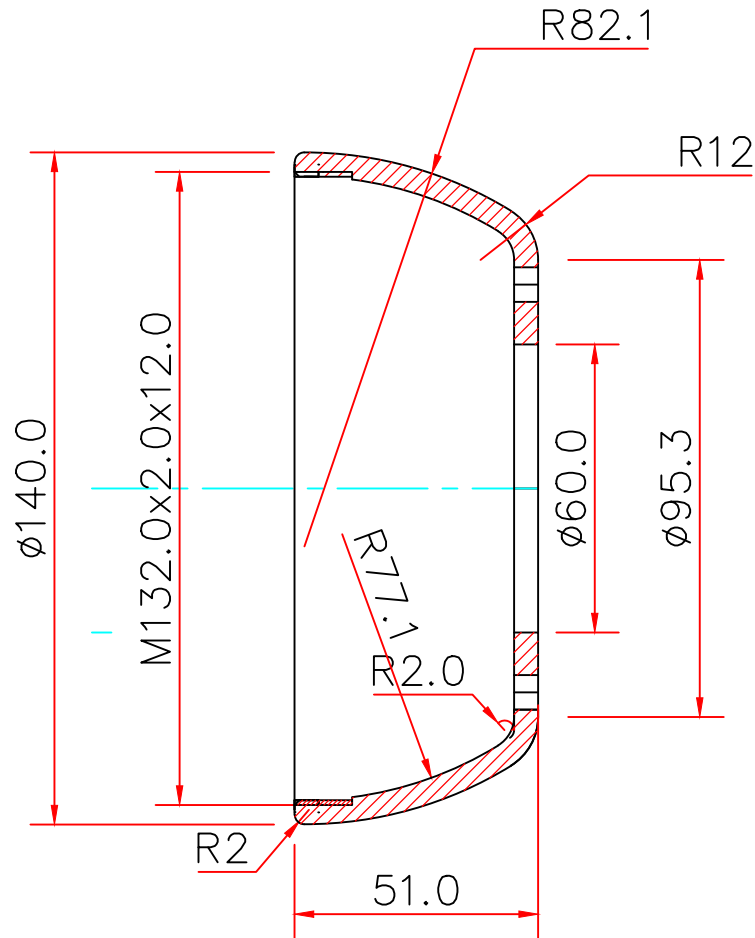
Note:

1. Component shall be CNC machined.
2. Electrical Grade Aluminium shall be used.
3. Helicoil (HC) Taps shall be provided.
4. Welding is not allowed.
5. Connection faces shall be silver plated.
6. components to be silver plated at phases
7. Taps Shall be located such that no cross connection is there.

VAR.00	REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT.NO.	MATL. CODE	A	C	UNIT	QTY.	GS	ZONE
				COVER		90MMX75MM X 25MM		HE-30						

TYPE OF PRODUCT		GSM-245									
NAME OF CUSTOMER		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD									
DRN	NAME	SIGN.	DATE	NO. OF							
CKD	NSK		02.05.14	VAR.							
APPD	BSM		02.05.14								
	MMR		02.05.14	01							
DEPT.	GRADE OF	SCALE	WEIGHT(KG)	REF. TO							
CODE	TOL. DIM.	NTS		RD DG 4 35 0517 2035 1							
TITLE		CARD	DRAWING NO.	REV.							
TERMINAL SHIELD PART-I		CODE	RD DG 4 35 0517 2035A								
		SHEET NO.		NO. OF SHEETS							

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

6 No. $\phi 8.0$ Holes @ 80.0 PCD

VAR.00	REMARKS	VAR. NO.	ITEM NO.	COVER	90MMX75MM X 25MM	HE-30	IT.NO.	MATL. CODE	A	UNIT	UNIT WT.	QTY.	GS	ZONE
				DESCRIPTION	STD	DRAWING NO.	VAR	MATL. SPECN.	C					

Note:

- Component shall be CNC machined.
- Electrical Grade Aluminium shall be used.
- Helicoil (HC) Taps shall be provided.
- Welding is not allowed.
- Connection faces shall be silver plated.
- components to be silver plated at phases
- Taps Shall be located such that no cross connection is there.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	DEPT.	GRADE OF	SCALE	WEIGHT(KG)	REF. TO	ITEM	NO.OF
ZONE		CHECKED	ZONE		CHECKED	CODE	TOL. DIM. C/M/F	NTS		DRAWING NO.	NO.	ITEMS
						TITLE				RD DG 4 35 0517 2026 1		
						TERMINAL SHIELD PART-II				RD DG 4 35 0517 2035B		
										SHEET NO.	NO. OF SHEETS	

TYPE OF PRODUCT		NAME OF CUSTOMER		GSM-245	
BHE		BHARAT HEAVY ELECTRICALS LTD.		HYDERABAD	
DRN	NAME	SIGN.	DATE	NO.OF	
CKD	NSK		02.05.14	VAR.	
APPD	BSM		02.05.14		
	MMR		02.05.14		
REF. TO		ITEM		NO.OF	
RD DG 4 35 0517 2026 1		NO.		ITEMS	
DRAWING NO.		REV.			
RD DG 4 35 0517 2035B					
SHEET NO.		NO. OF SHEETS			

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REF. DRG. NO.

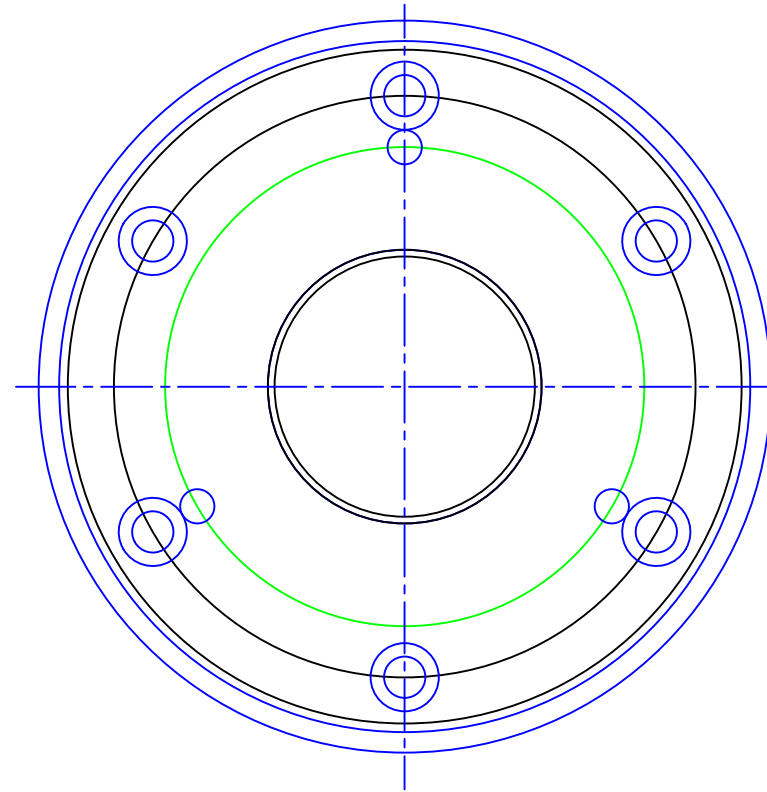
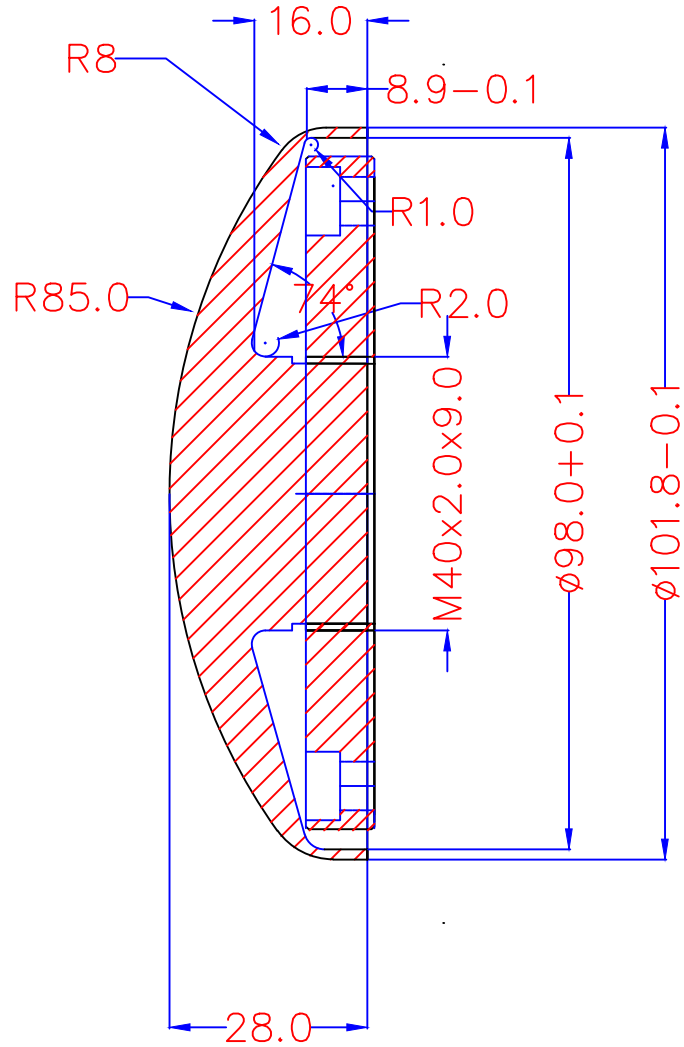
SIGN. AND DATE

INVENTORY NO.

RD DG 4 35 0517 2026
ON DRG

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)



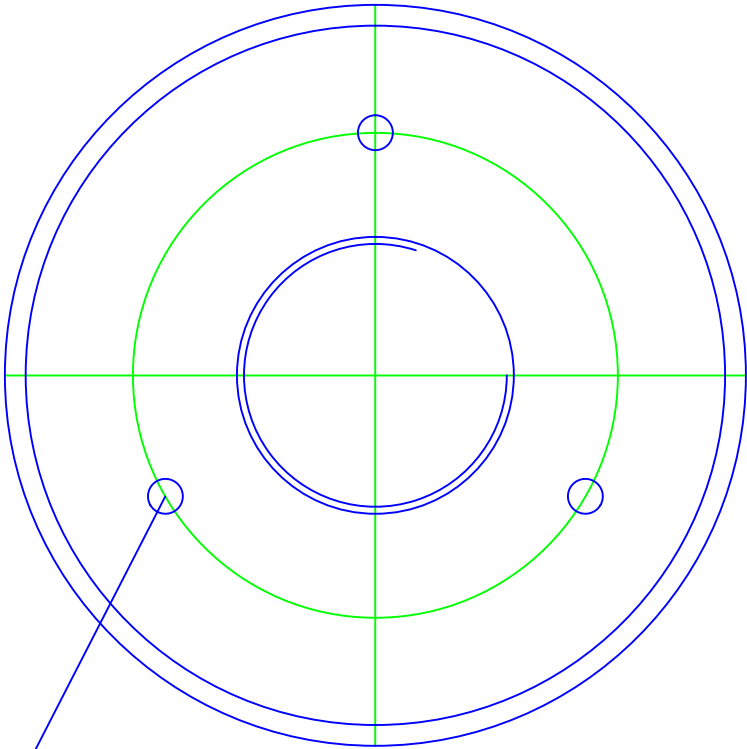
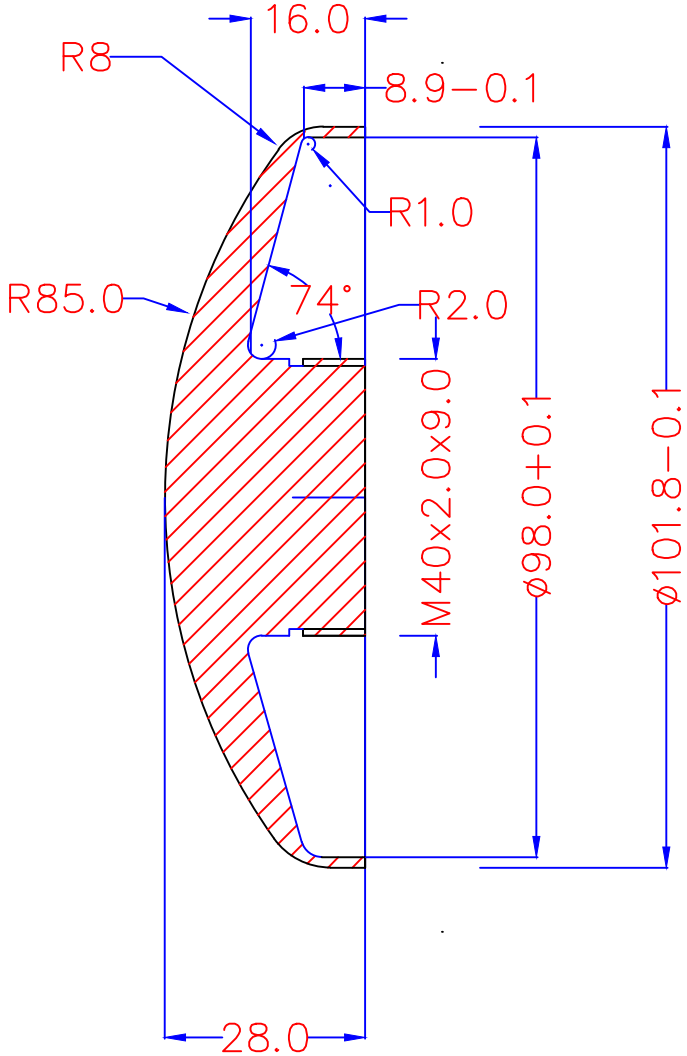
		01	ADAPTER	RD DG 4 35 0517 2026B	HE-30						
		01	COVER	RD DG 4 35 0517 2026A	HE-30						
VAR.00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT.NO.	MATL. CODE	A	UNIT	UNIT WT.
							VAR	MATL. SPECN.	C		QTY.

Note:

1. Component shall be CNC machined.
2. Electrical Grade Aluminium shall be used.
3. Helicoil (HC) Taps shall be provided.
4. Welding is not allowed.
5. Connection faces shall be silver plated.
6. components to be silver plated at phases
7. Taps Shall be located such that no cross connection is there.

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

TYPE OF PRODUCT		NAME OF CUSTOMER				GSM-245			
		BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME	SIGN.	DATE	NO. OF	
		HYDERABAD		CKD	NSK		02.05.14	VAR.	
				APPD	BSM		02.05.14	01	
					MMR		02.05.14		
DEPT.		GRADE OF TOL. DIM. C/M/F		SCALE		WEIGHT(KG)		REF. TO	
CODE				NTS				RD DG 4 35 0517 2025 1	
TITLE				CARD CODE				ITEM NO.	
ES DUMMY COVER								1	
								REV.	
								RD DG 4 35 0517 2026	
								SHEET NO.	
								NO. OF SHEETS	



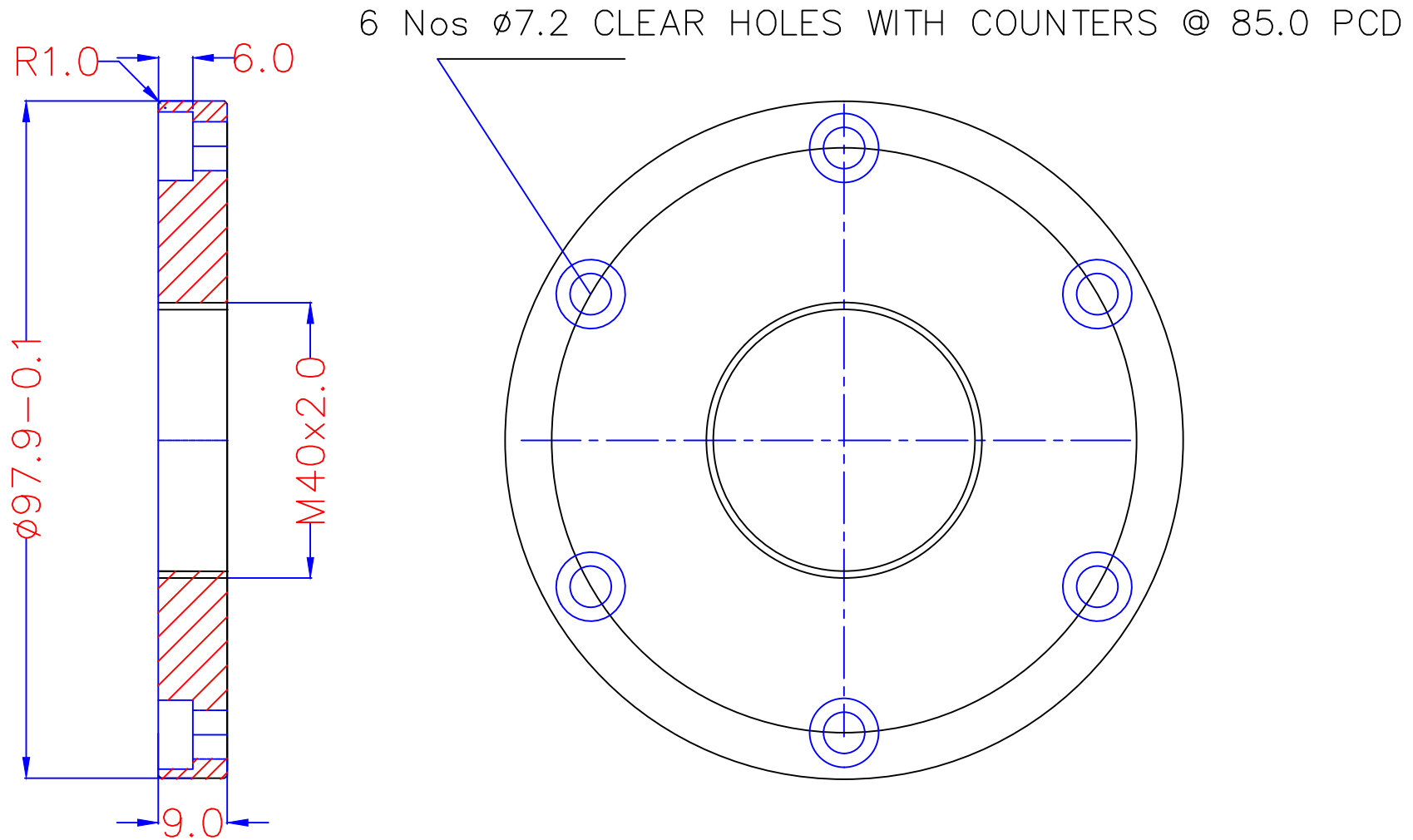
3 No. 5.0 DIA HOLES of 5 mm deep @ 70.0 PCD

- Note:**
1. Component shall be CNC machined.
 2. Electrical Grade Aluminium shall be used.
 3. Helicoil (HC) Taps shall be provided.
 4. Welding is not allowed.
 5. Connection faces shall be silver plated.
 6. components to be silver plated at phases
 7. Taps Shall be located such that no cross connection is there.

				COVER	90MMX75MM X 25MM	HE-30				
VAR.00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT.NO.	MATL. CODE	A C	UNIT WT.
							VAR	MATL. SPECN.	UNIT	QTY.

TYPE OF PRODUCT		GSM-245							
NAME OF CUSTOMER									
		BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME	SIGN.	DATE	NO.OF	
		HYDERABAD		CKD	NSK		02.05.14	VAR.	
				APPD	BSM		02.05.14		
					MMR		02.05.14	01	
DEPT.	GRADE OF TOL. DIM. C/M/F	SCALE	WEIGHT(KG)	REF. TO	ITEM NO.	NO.OF			
CODE		NTS		RD DG 4 35 0517 2026	1	ITEM			
TITLE				DRAWING NO.		REV.			
COVER				RD DG 4 35 0517 2026A					
				SHEET NO.		NO. OF SHEETS			

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



Note:

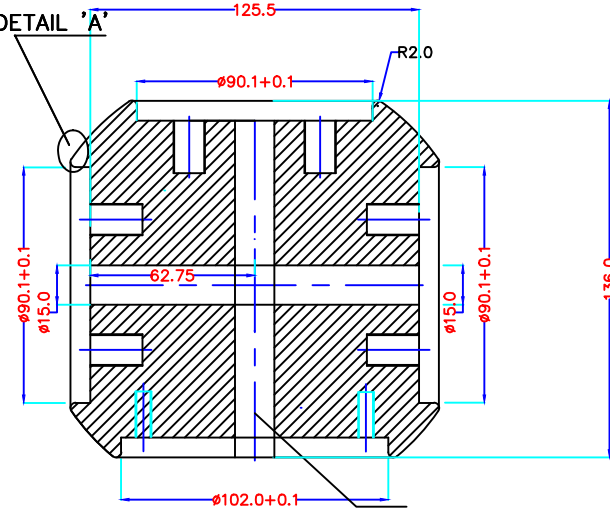
1. Component shall be CNC machined.
2. Electrical Grade Aluminium shall be used.
3. Helicoil (HC) Taps shall be provided.
4. Welding is not allowed.
5. Connection faces shall be silver plated.
6. components to be silver plated at phases
7. Taps Shall be located such that no cross connection is there.

VAR.00	REMARKS	VAR. NO.	ITEM NO.	01	BLOCK	80.0MM x10 MM	HE-30	IT.NO.	MATL. CODE	A	UNIT	UNIT WT.	QTY.	GS	ZONE
--------	---------	----------	----------	----	-------	---------------	-------	--------	------------	---	------	----------	------	----	------

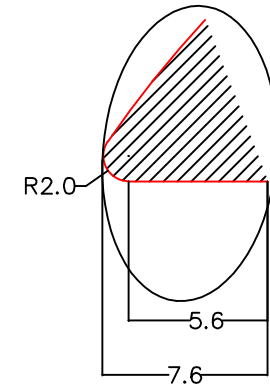
TYPE OF PRODUCT		GSM-245									
NAME OF CUSTOMER		BHARAT HEAVY ELECTRICALS LTD.									
		HYDERABAD									
DRN	NAME	SIGN.	DATE	NO. OF							
CKD	BSM		02.05.14	VAR.							
APPD	MMR		02.05.14	01							
DEPT.	GRADE OF	SCALE	WEIGHT(KG)	REF. TO							
CODE	TOL. DIM.	NTS		RD DG 4 35 0517 2026							
TITLE		CARD CODE	ITEM NO.								
ADAPTER			1								
		SHEET NO.		NO. OF SHEETS							

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

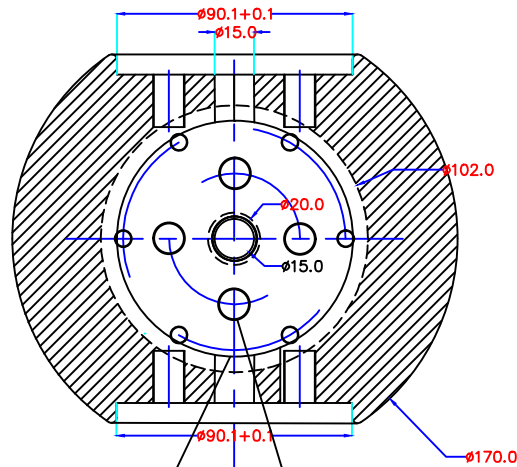
(ALL DIMENSIONS ARE IN mm)



8Nos. 20deep M6 HC
taped holes @92 PCD



DETAIL 'A'



4Nos. 25 deep M12 HC
taped holes @50 PCD

1. Component shall be CNC machined.
2. Electrical Grade Aluminium shall be used.
3. Helicoil (HC) Taps shall be provided.
4. Welding is not allowed.
5. components to be silver plated at phases
6. Taps Shall be located such that no cross connection is there.

			01	BLOCK		180.0x180.0x180.0		HE-30									
VAR.00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT.NO.	MATL. CODE	A C UNIT		UNIT WT.						ZONE
							VAR	MATL. SPECN.			QTY.						GS

24/07/2014

REV.	DATE	ALTERED	REV.	DATE	ALTERED	DEPT.	GRADE OF TOL. DIM. C/M/F		SCALE	WEIGHT(KG)	REF. TO	ITEM NO.	NO. OF ITEMS
		CHECKED			CHECKED	CODE			NTS		RD DG 4 35 0517 2000	1	
ZONE			ZONE			TITLE	ES SPHERICAL ADAPTER			CARD CODE	DRAWING NO.		REV.
											RD DG 4 35 0517 2025A		
											SHEET NO.	NO. OF SHEETS	

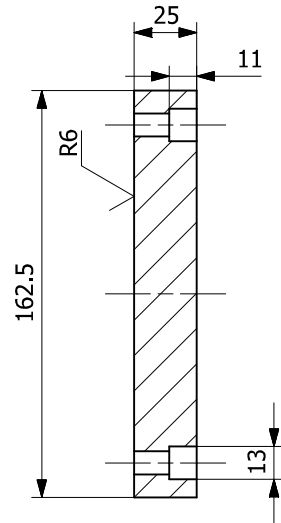
DRAWING NO.

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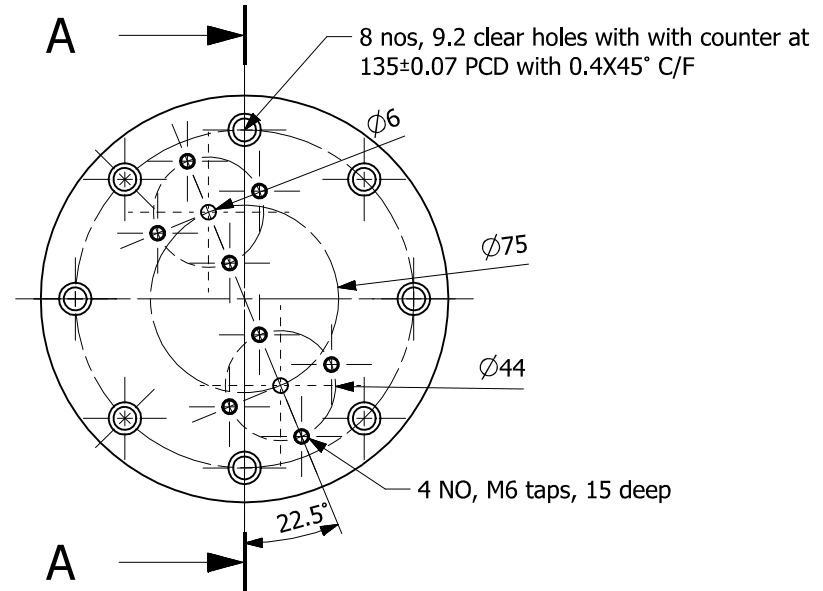
REF.DRG.NO.

SIGN AND DATE

INVENTORY NO.

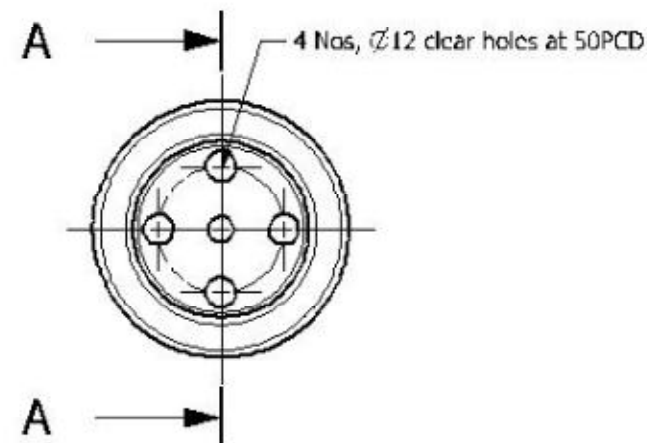


SECTION A-A

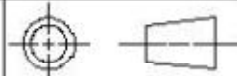


VAR. NO.	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT. NO.	VAR.	MATL. CODE	MATL. SPCN.	A/C	UNIT	UNIT WT.	QTY	GS	ZONE
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT															
BHARAT HEAVY ELECTRICALS LIMITED, CORPORATE R & D, HYDERABAD										DRN.	NAME	SIGN.	DATE	NO. OF VAR	
										CKD.					
										APPD.					
DPT.GSG	UNTOL. DMS. GR.			SCALE	WEIGHT(K.G.)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS							
CODE 35				1:2											
TITLE										DRAWING NO.		REV NO.			
FLANGE-V										RD DG 435 0617 0983					
										SHT NO. 1		NO. OF SHT. 1			

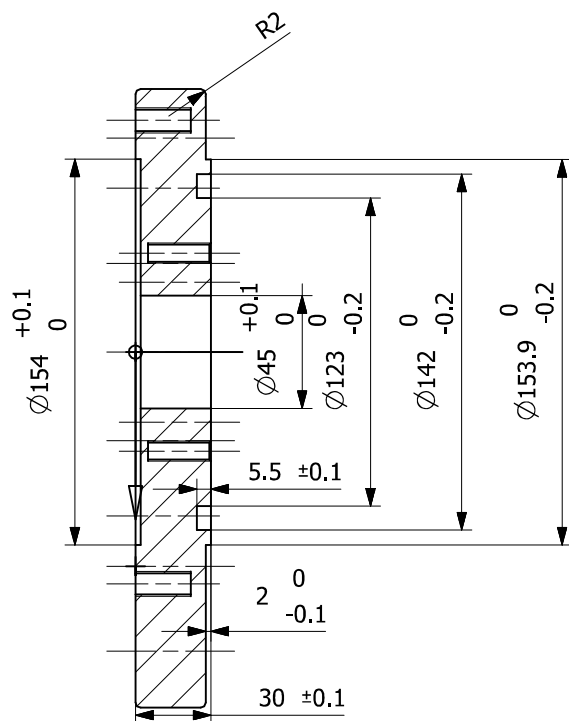
INVENTORY NO.



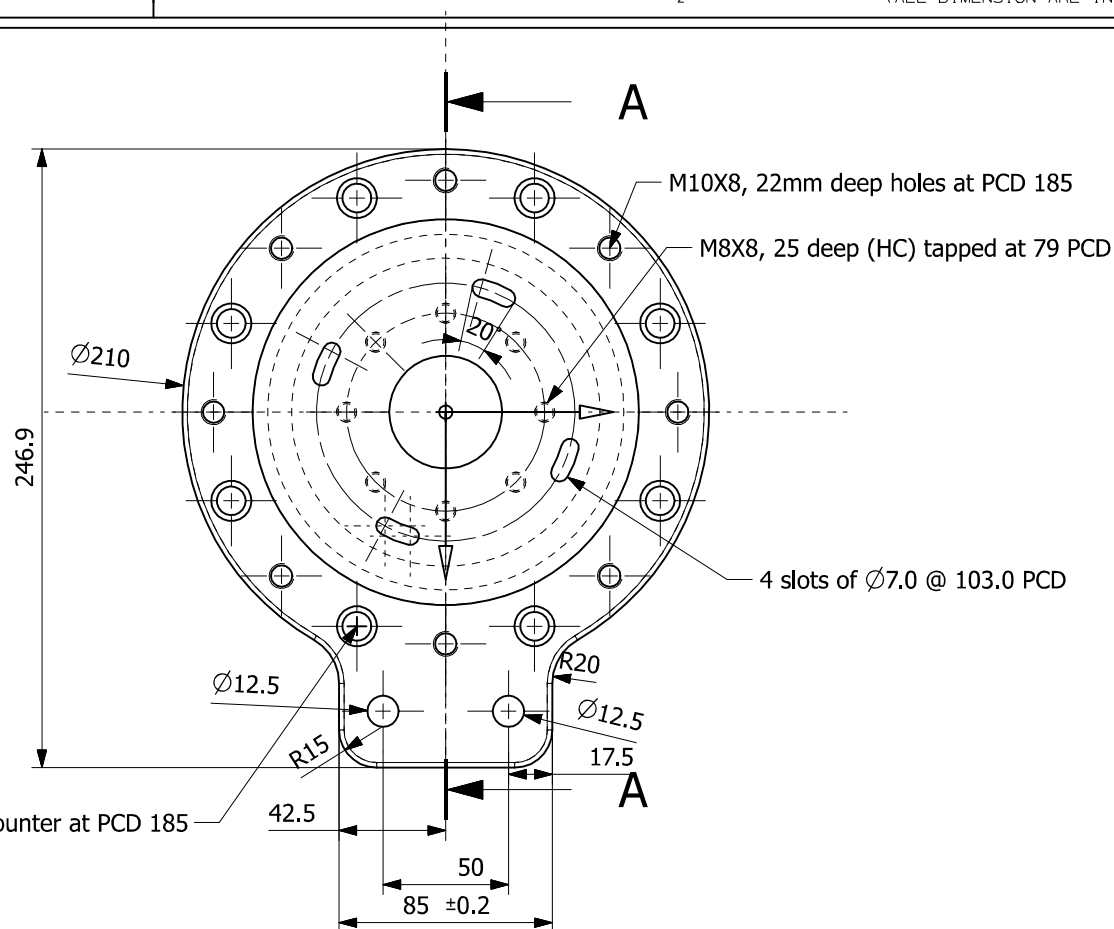
1. Surface shall be finished to RA0.8
2. All sharp edges shall be finished to 0.4X45°
3. Component shall be silver plated at-----marked area.

HE 30														
ANL NO.	R 1444-65	ITEM NO.	DESCRIPTION	CIR	DRAWING NO.	LT. NO.	SAR.	VAL. USED	WAB. SPEC.	A	UNIT	UNIT	QTY	U
TYPE OF PRODUCT OR NAME OF COMPANY (if applicable)														
बी एच ई एल BHEL BHARAT HEAVY ELECTRICALS LIMITED, CORPORATE R & D, HYDERABAD							NAME	SIGN.	DATE	DES. OR VAL.				
					DES.									
					C/D.									
					APPD.									
OPT ASD	REVISION DWS, GE.			SCALE	WHEEL (K.S.)	REF. TO ASSY. DRG.		ITEM NO.		DES. OR ITEM				
CODE L.A.														
11										ORDERING NO.		REV. NO.		
BUSBAR - TERMINAL										RD DC 438 35.7 2026				
										SHEET NO. 1		NO. OF SETS 1		

DRAWING NO.



SECTION A-A



Ø11.5X8 through holes with counter at PCD 185

NOTE:

1. Helicoil taps (HC) to be made for all the taps.
2. Connection face shall be silver plated.
3. All shap corners, wherever not mentioned shall be chamfered to 0.5X45°

[illegible]

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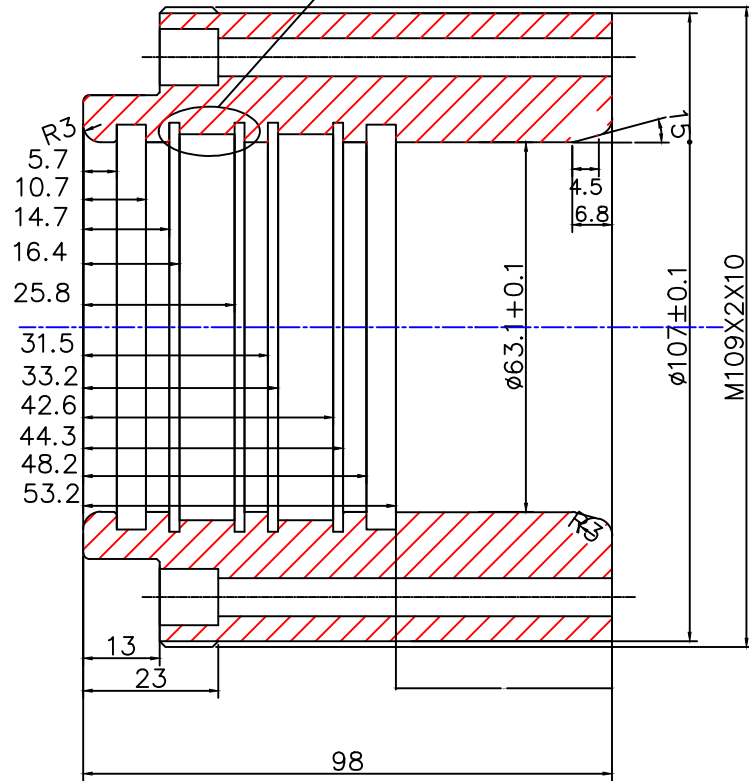
INVENTORY NO. SIGN. AND DATE REF. DRG. NO.

RD DG 4 35 0517 2511 DRG. NO.

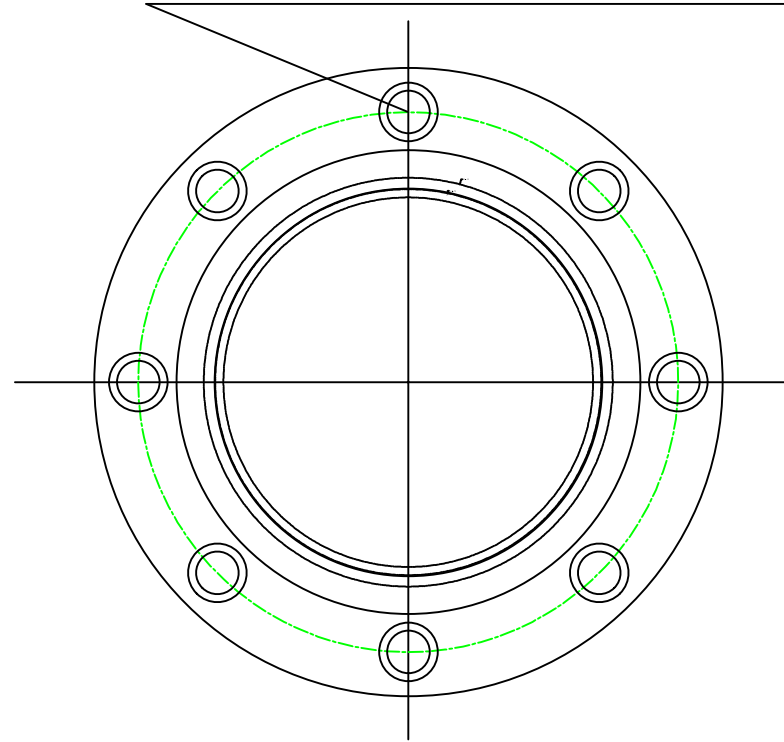
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REFER DETAIL A



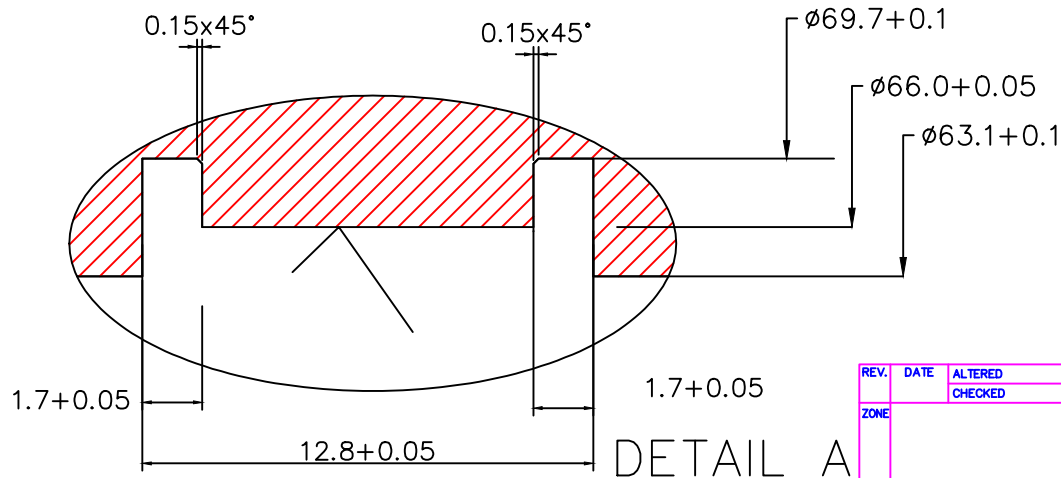
8 No., $\phi 7.2$ WITH COUNTER HOLES @ 92.0 PCD



SURFACE SHALL BE FINISHED TO RA0.8

ALL SHARP EDGES SHALL BE FINISHED TO $0.4 \times 45^\circ$

COMPONENT SHALL BE SILVER PLATED.



VAR.00	REMARKS	VAR. NO.	ITEM NO.	Cu ROD	STD.	DRAWING NO.	IT.NO.	MATL. CODE	A	UNIT	UNIT WT.	GS	ZONE
							VAR	MATL. SPECN.	C		QTY.		

TEFLON RING:
OD: $\phi 72-0.1$
ID: $\phi 63+0.1$
WIDTH: 4.5

TYPE OF PRODUCT		GSM 245											
NAME OF CUSTOMER		GSM 245											
Bharat Heavy Electricals Ltd.		DRN	NAME	SIGN.	DATE	NO. OF							
HYDERABAD		CKD	BSM		05/05/18	VAR.							
		APPD	MMRAO		05/05/18								
DEPT.		GRADE OF TOL. DIM. C/M/F		SCALE		WEIGHT(KG)		REF. TO					
CODE								RD DG 4 35 0517 2000					
TITLE								DRAWING NO.					
DS CURRENT COLLECTOR								RD DG 4 35 0517 2511					
								SHEET NO.		NO. OF SHEETS			

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