

FIRST ANGLE PROJECTION

DRG.NO

2

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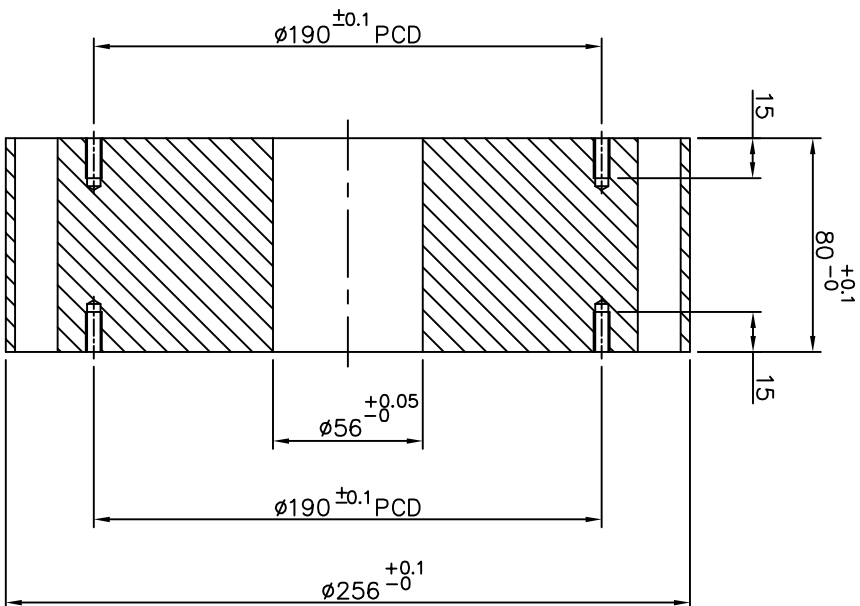
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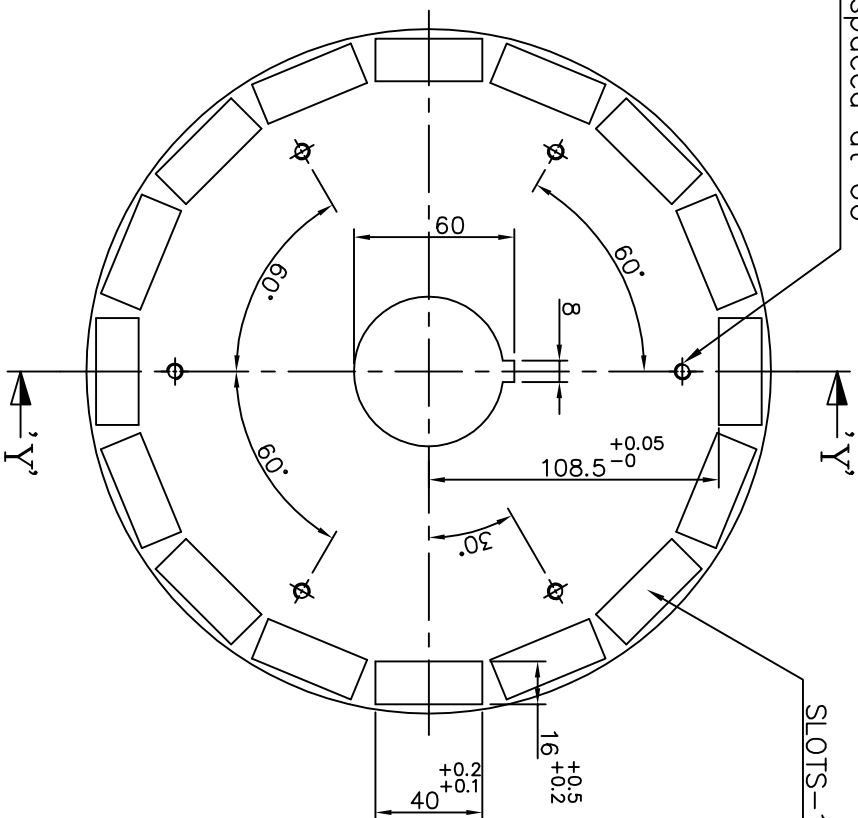
8

(ALL DIMENSIONS ARE IN mm)



M6 tapped holes-6nos
equispaced at 60°

SLOTS-16NOS



SECTION-'YY'

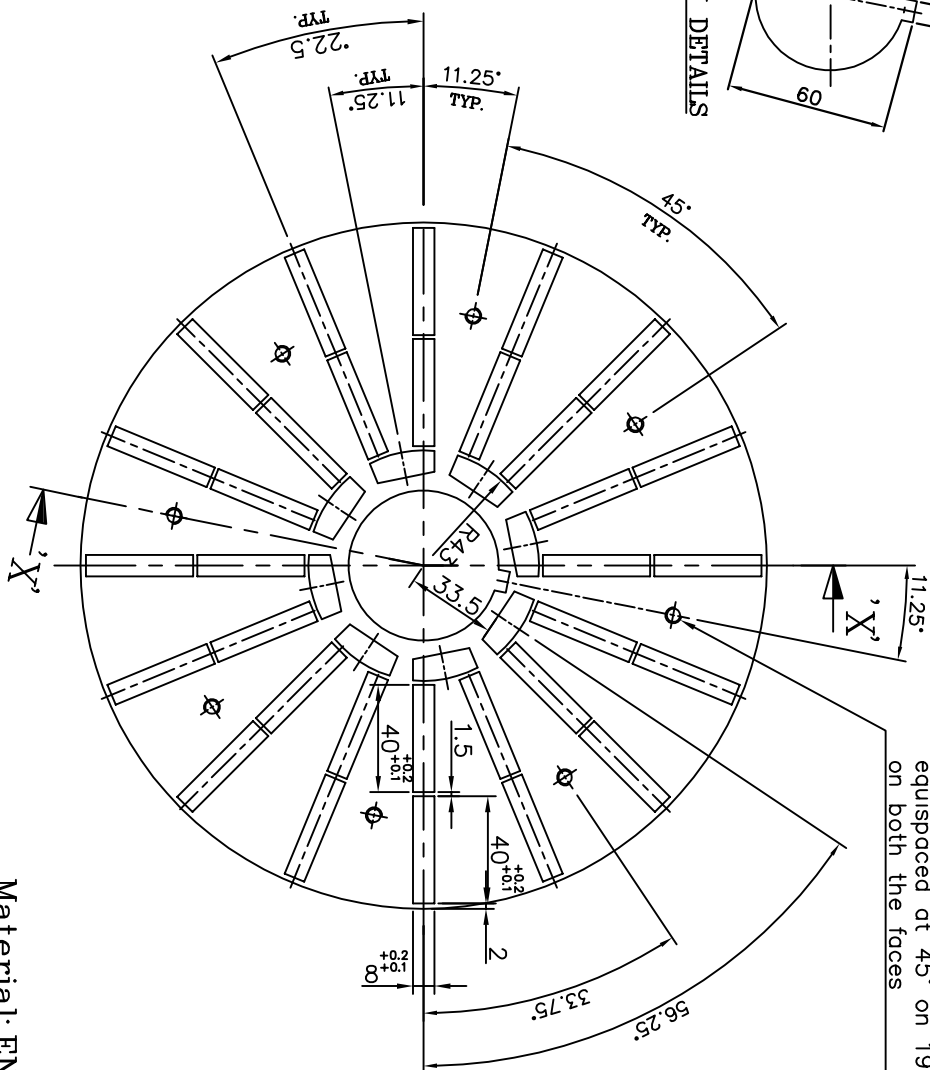
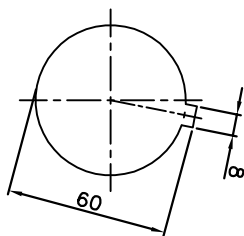
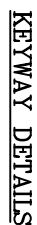
Technical Notes:

1. Tolerance will be ± 0.1 if not specified

Material: EN-24

INVENTORY NO.		REF.DRG.NO.		COMP. FILE NAME		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.	
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M6 tapped holes—8nos
equispaced at 45° on 190PCD
on both the faces

Material: EN-24

SECTION - XX,

Technical Notes:
1.Tolerance will be ± 0.1 if not specified

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
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TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT High Pole Number PMM									
 BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division, Vikasnagar HYDERABAD - 500 093									
DEPT.	EMC		SCALE	WEIGHT(Kg)					
CODE	29		NTS	24	APPR.				
Approx.					REF. TO ASSY Dwg.	ITEM NO.	DATE	NO. OF VARS.	REV.
DRAWING NO.					LS17RDP29002				
SHEET NO.		NO. OF SHEETS							

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG.NO

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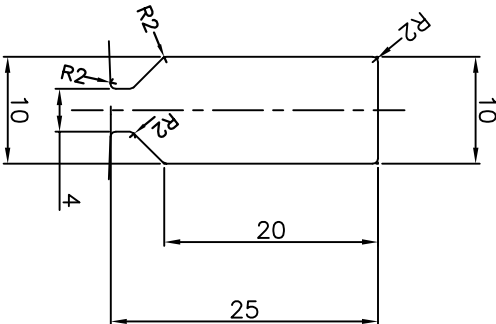
48 slots equispaced

Slots-4nos

$\phi 360^{+0.1}_{-0.1}$
 $\phi 260^{+0.1}_{-0.1}$

6

18



DETAIL-'X'

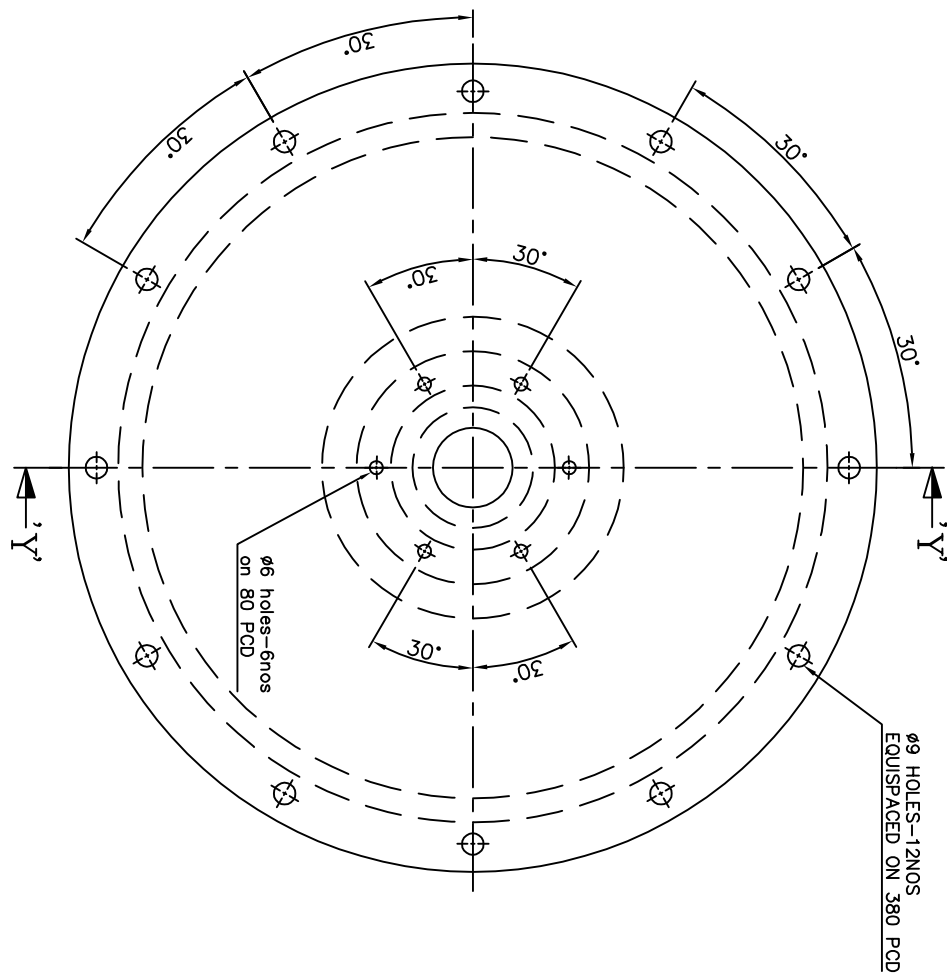
Material: 0.5mm thick CRNGO Si steel sheet

Technical Notes:

1. Tolerance will be ± 0.1 if not specified
2. Remove all sharp corners
3. No. of stampings required are 160.
4. Core stacking to be carried out.

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941		942		943		944	
945		946		947		948	
949							

DRG.NO.



(ALL DIMENSIONS ARE IN mm)

Technical Notes:

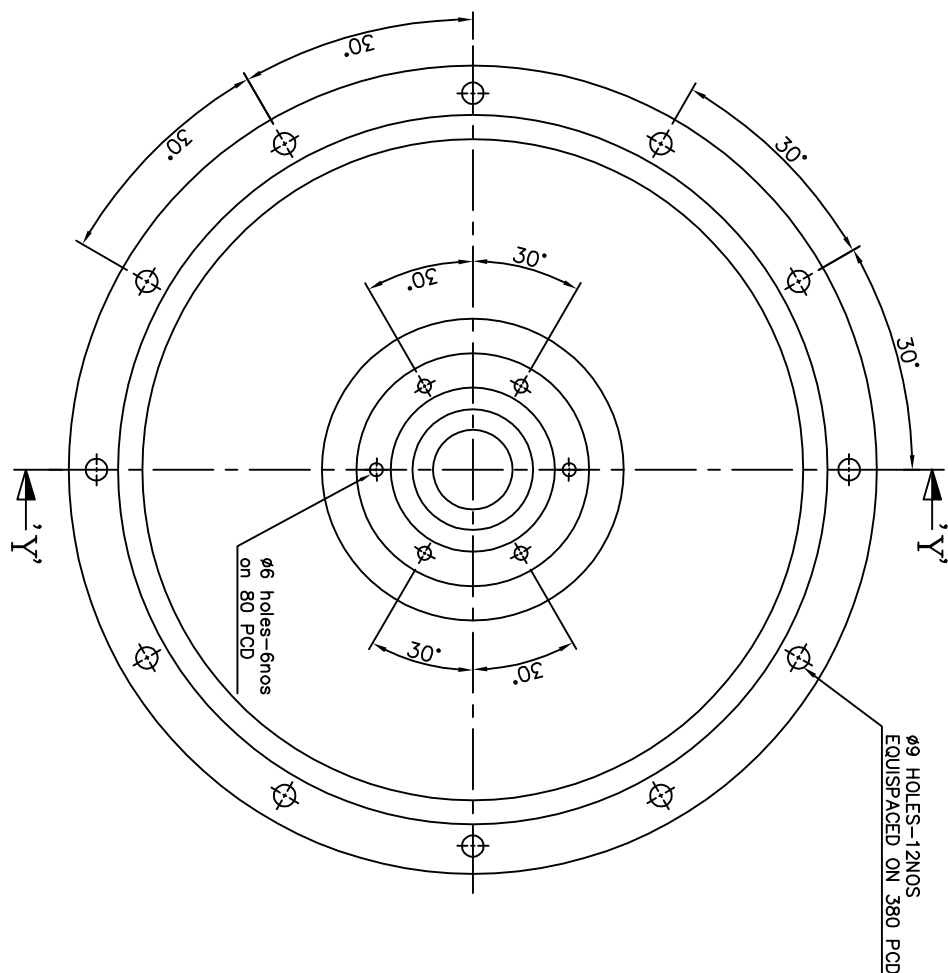
1. Tolerance will be ± 0.1 if not specified
2. Remove all sharp corners

SECTION - 'YY'

TYPE OF PRODUCT										High Pole Number PMM									
OR																			
NAME OF CUSTOMER/PROJECT																			
										BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division, Winkensinger HYDERABAD - 500 093									
DEPT.		EMC				SCALE		NTS		WEIGHT(KG)		16.2		APPROX.					
CODE		29																	
TITLE										DRAWING NO.									
DRIVE END COVER										LS17RD29004									
SHEET NO.					NO OF SHEETS					REV.					00				

DRG.NO.

(ALL DIMENSIONS ARE IN mm)



Technical Notes:

- 1.Tolerance will be ± 0.1 if not specified
- 2.Remove all sharp corners

Material: MS

TYPE OF PRODUCT									
OR									
NAME OF CUSTOMER /PROJECT									
High Pole Number PMM									
									
BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division, Vikasnagar HUDA/EAAD - 500 093									
DEPT.	EMC		SCALE	NTS	WEIGHT(Kg)	16.2	REF. TO ASSY DRG.	ITEM NO.	NO OF ITEMS
CODE	29		Approx.						
TITLE									
NON DRIVE END COVER									
DRAWING NO.						REV.			
LS17RDE29005						00			
SHEET NO.		NO OF SHEETS							

FIRST ANGLE PROJECTION

CONGRD

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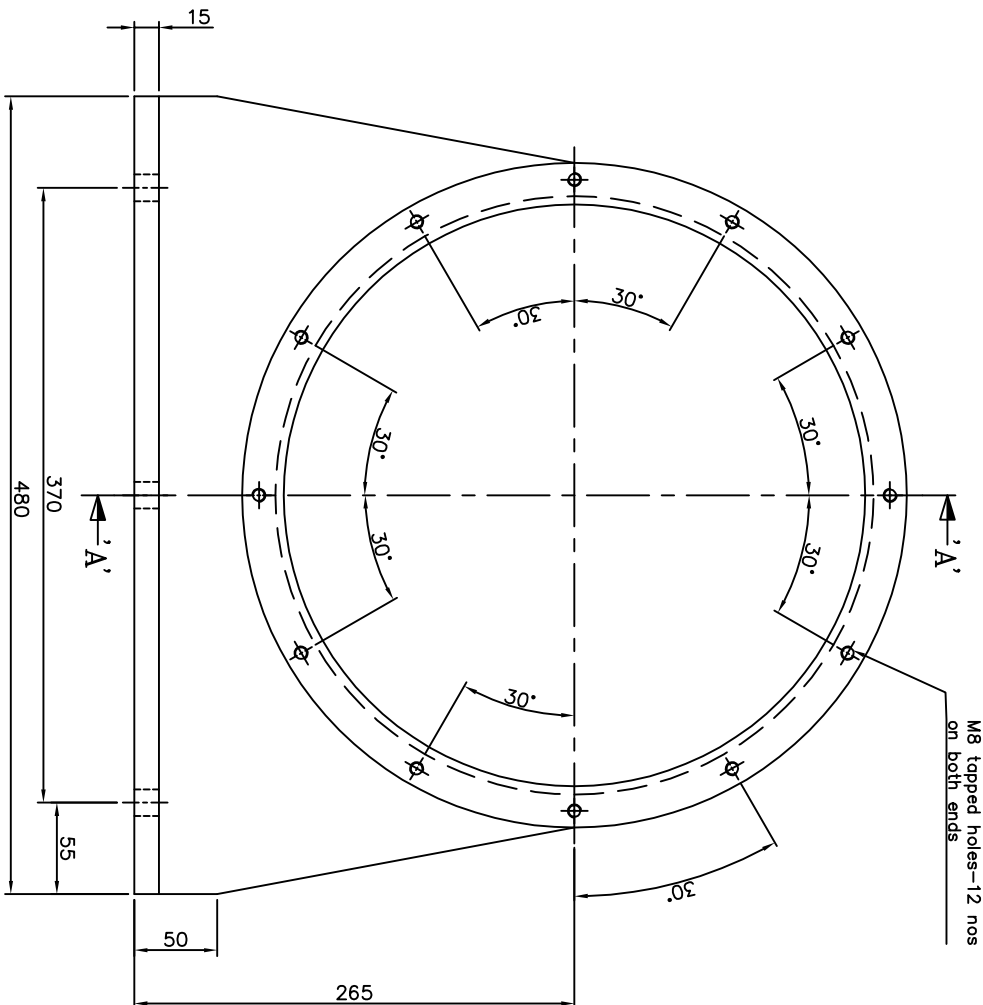
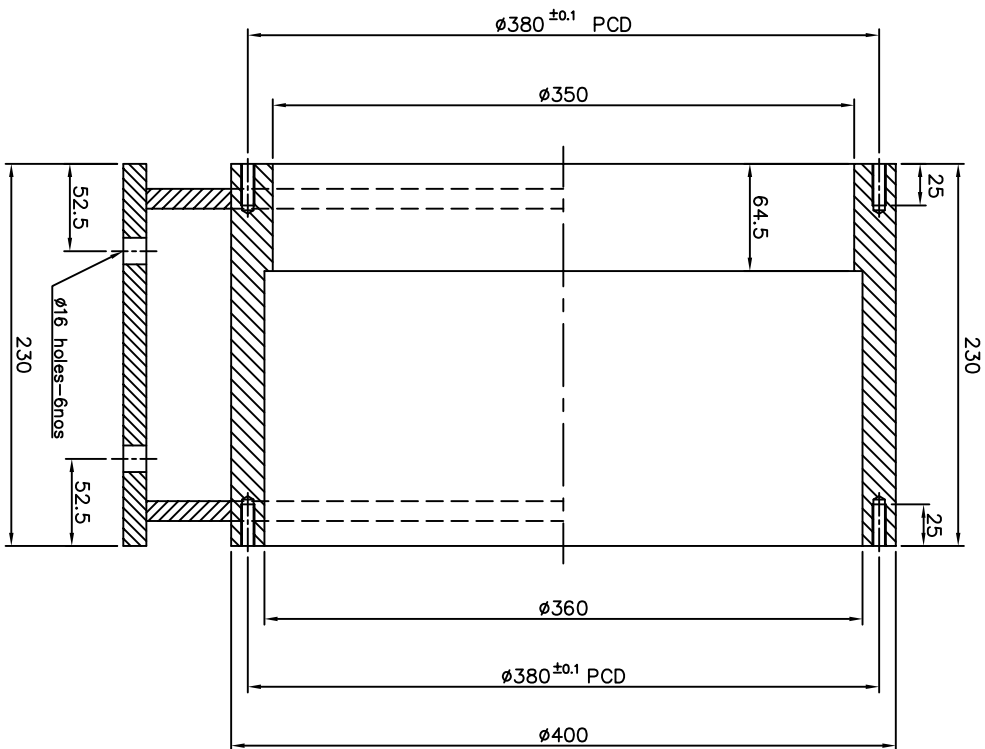
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8

(ALL DIMENSIONS ARE IN mm)



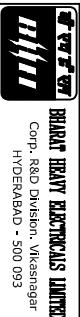
SECTION - 'AA'

Technical Notes:

1. Tolerance will be ± 0.1 if not specified
2. Remove all sharp corners

Material: MS

High Pole Number PMM



NAME OF CUSTOMER/PROJECT
Bharat Heavy Electricals Limited
Corp. R&D Division, Vikasnagar
HYDERABAD - 500 093

DEPT. EMC
CODE 29
SCALE NTS
WEIGHT (kg) 68

NAME T. Ramesh
C.D. Uday Kumar
REF. TO ASSY DRG.
T.M. NO.
NO. OF SHEETS

TITLE
FRAME

DRAWING NO. IS17RD29006
REV. 00

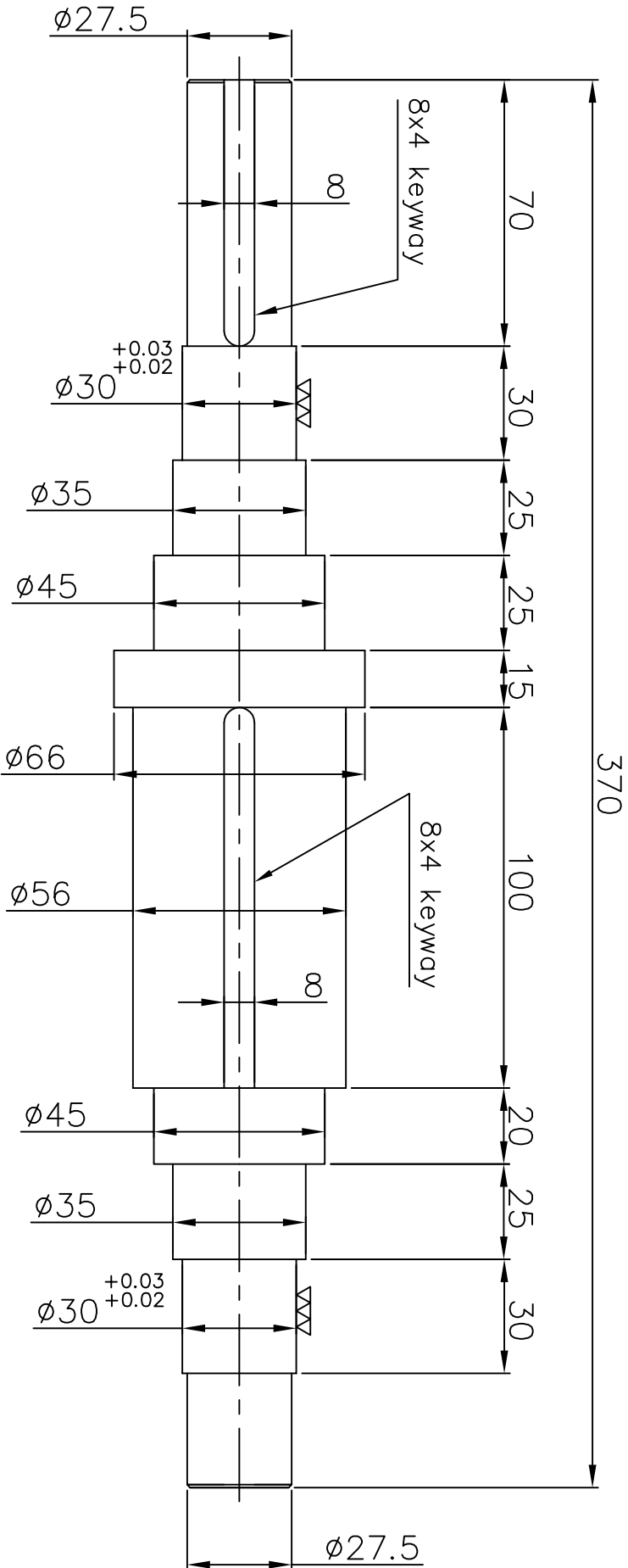
INVENTORY NO.

REF.DRG.NO.

COMP. FILE NAME

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.

ON DRG



Technical Notes:

- 1.Tolerance will be ± 0.1 if not specified
- 2.Remove all sharp corners
- 3.Required Quantity: 2nos

Material: EN8

INVENTORY NO.			REF.DRG.NO.			COMP. FILE NAME			THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.																												
REV. DATE ALTERED CHECKED APPD.			REV. DATE ALTERED CHECKED APPD.			TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT High Pole Number PMM Material: EN8 BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division, Vikasnagar HYDERABAD - 500 093 DRN. T. Ramesh CHD. Uday Kumar APPD. NAME SIGN. DATE NO. OF VAR.																															
																				DEPT. EMC			SCALE NTS			WEIGHT (KG)			REF. TO ASSY DRG.			ITEM NO.			NO. OF ITEMS		
																				CODE 29			TITLE SHAFT			DRAWING NO. LS17RD29007			REV. 00								
SHEET NO.			NO OF SHEETS			SIZE A3																															

INVENTORY NO.	SIGN. & DATE	REF. DRG. NO.	COMPUTER 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.			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width:5%;">REV.</td> <td rowspan="3" style="width:5%;">DATE</td> <td style="width:40%;">ALTERED</td> </tr> <tr> <td>CHECKED</td> </tr> <tr> <td>APPROVED</td> </tr> </table>			REV.	DATE	ALTERED	CHECKED	APPROVED	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width:5%;">REV.</td> <td rowspan="3" style="width:5%;">DATE</td> <td style="width:40%;">ALTERED</td> </tr> <tr> <td>CHECKED</td> </tr> <tr> <td>APPROVED</td> </tr> </table>			REV.	DATE	ALTERED	CHECKED	APPROVED	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="width:5%;">REV.</td> <td rowspan="3" style="width:5%;">DATE</td> <td style="width:40%;">ALTERED</td> </tr> <tr> <td>CHECKED</td> </tr> <tr> <td>APPROVED</td> </tr> </table>			REV.	DATE	ALTERED	CHECKED	APPROVED																																											
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REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.		BHARAT HEAVY ELECTRICALS LIMITED			NAME	SIGN	DATE	NO.OF VAR.																																																																	
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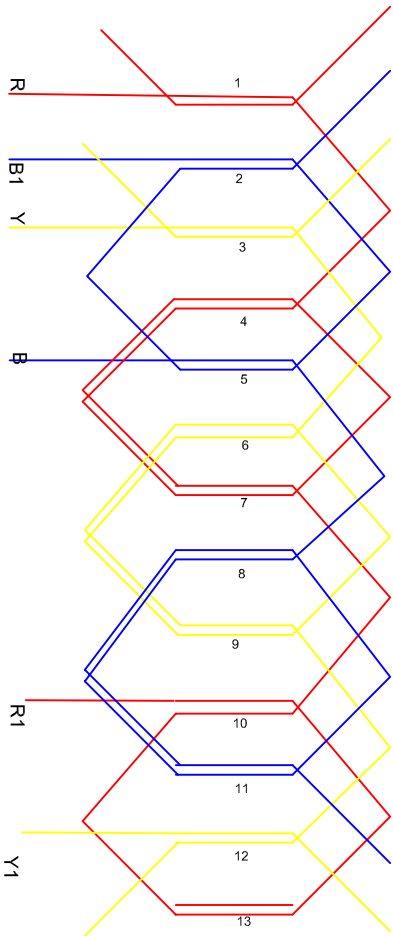
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		APPROVED				APPROVED				APPROVED	
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Material: MS Quantity: 2nos											
Technical Notes: - Tolerance will be ± 0.1 if not specified - Remove all sharp corners											
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT High Pole Number PMM											
INVENTORY NO.	SIGN. & DATE	REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.		BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division. Vikasnagar HYDERABAD - 500 093	DRN.	T.Ramesh	06.01.17	NO.OF VAR.			
					CKD.	Uday Kumar					
					APPD.						
					DEPT.	EMC		SCALE NTS	WEIGHT(K.G.)	REF.TO ASSY.DRG.	
CODE	29										
TITLE					DRAWING NO.			REV.			
ROTOR HUB-1 END PLATE					LS17RD29009						
					SHT.NO.		NO.OF SHT.				

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED				
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		APPROVED			APPROVED			APPROVED				
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Technical Notes: 1. Tolerance will be ± 0.1 if not specified 2. Remove all sharp corners Material: EN8 Quantity: 2nos												
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT High Pole Number PMM												
INVENTORY NO.	REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.	BHARAT HEAVY ELECTRICALS LIMITED Corp. R&D Division. Vikasnagar HYDERABAD - 500 093	DRN. T. Ramesh CKD. Uday Kumar APPD.	NAME	SIGN	DATE	NO. OF VAR.					
								DEPT. EMC	SCALE NTS WEIGHT (K.G.)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEM
								CODE 29				
								TITLE				
BEARING HOUSING		LS16RD29010		SHT. NO.		NO. OF SHT.						

DWG. NO.

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)



.....(48 Slots)

Technical Specification:-

- 1 No of Poles - 16
- 2 No of Slots - 48
- 3 Core length: 80 mm
- 4 No of parallel path - One
- 5 3-Phase single layer winding without coil to coil joints.
6. Only one neutral joint will be allowed 3 leads (R, Y, B) are to be brought out.
7. SWG - 18 Class - H copper wire to be used for winding. (To be supplied by Corp. R & D)
8. 3 Strands are to be taken in parallel with 160 turns per phase (20 turns per coil).
9. Winding pitch=(1-4) slots
10. Winding to be carried out at BHEL R&D

Note: This drawing contains information, confidential to BHEL. It is to be used solely for the purpose for which it is furnished. This drawing and such information is not to be reproduced, transmitted, disclosed or used otherwise in whole or part. Vendor has to return the drawing to BHEL along with quotation. If any party is not quoting, drawing has to be returned to BHEL immediately.



BHARAT HEAVY ELECTRICALS LIMITED
Corp. R&D Division, Vikasnagar
HYDERABAD - 500 093

DRN. _____
CHD. _____
SRD-HAR _____
APRD. _____

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT
High pole number PMM

REV. DATE ALTERED CHECKED APPD.

ZONE

DEPT.

CODE



SCALE

WEIGHT (KG)

REF. TO ASSY DRG.

ITEM NO.

NO. OF ITEMS

NAME

UDAV

SRODHAR

SRD-HAR

DATE

NO. OF VARS

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