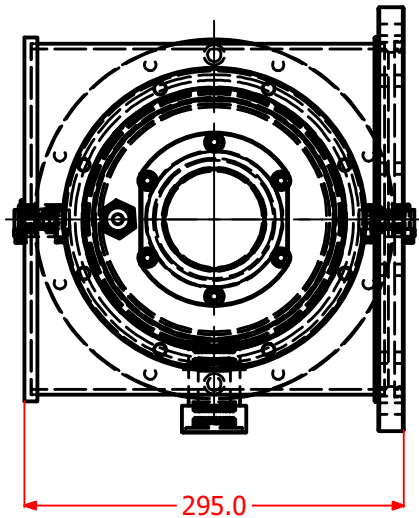
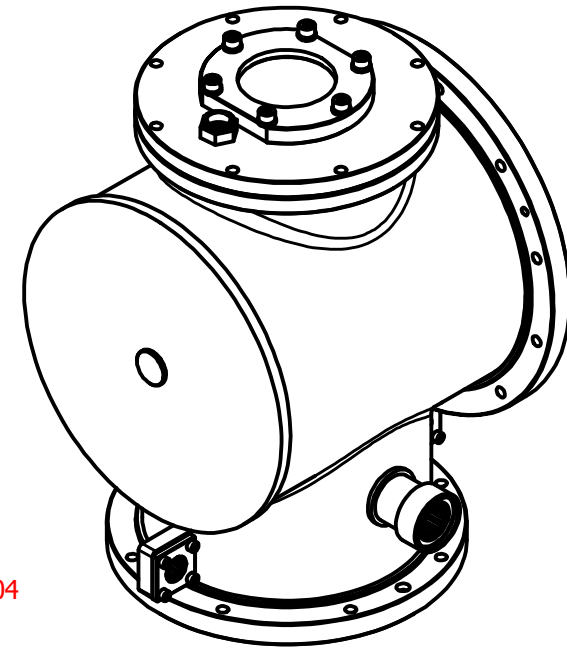
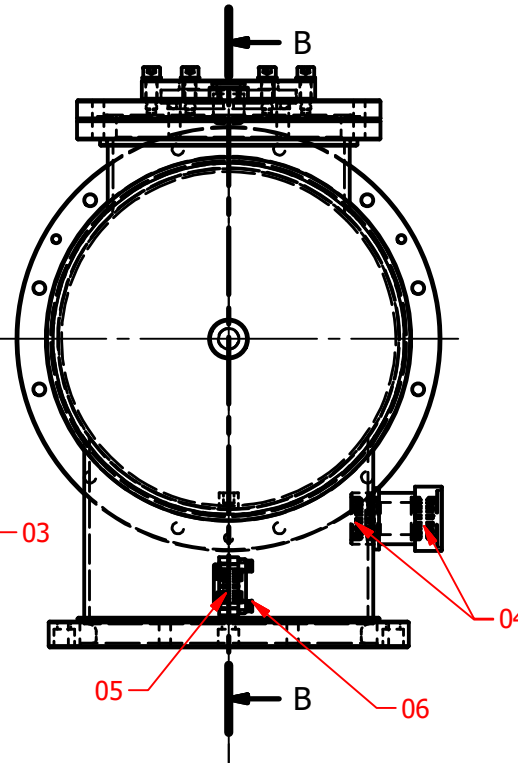
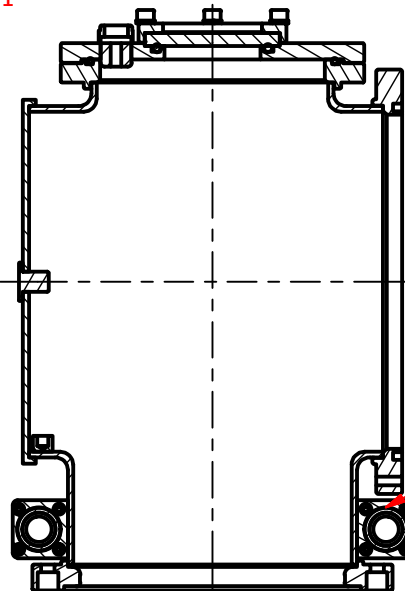
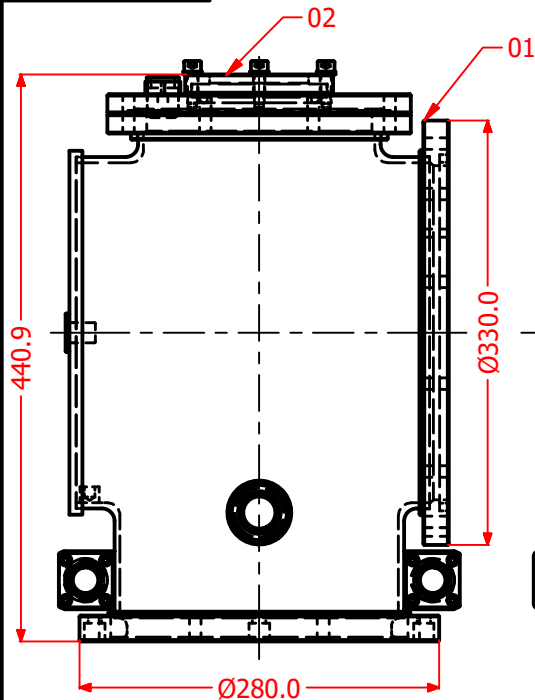


B-B (0.17 : 1)

(~3.2)

DRAWING NO.
BD2016DG050_2100

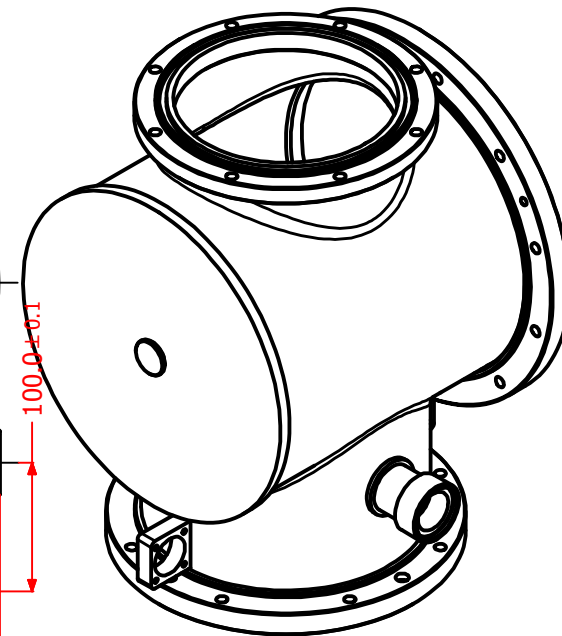
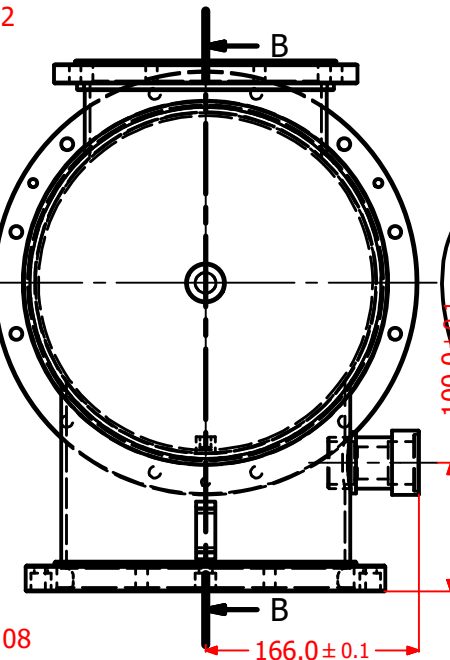
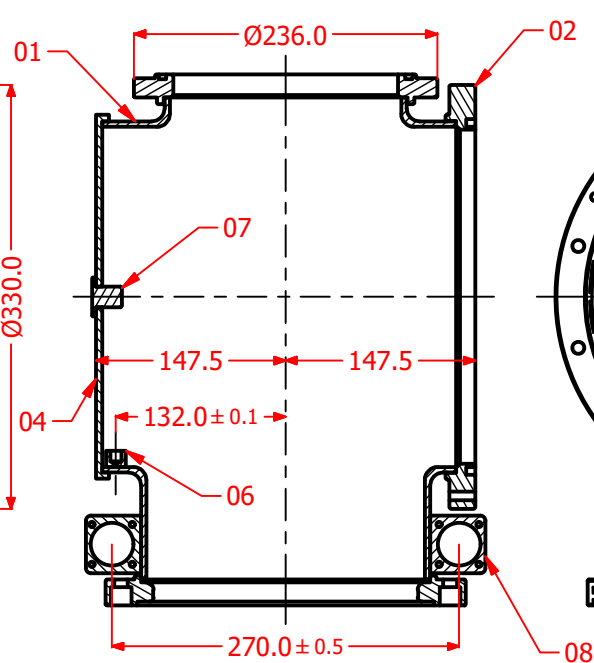
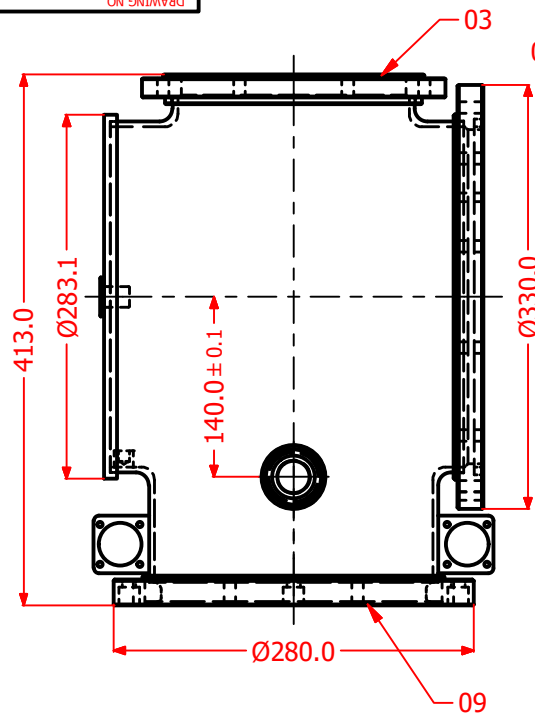


07	HARDWARE	MSX20 ALLEN HEAD BOLTS	S.S	0.005	04
06	O-RING 185	WIRE DIA 5.0 ID 185.0 MM	NEOPRENE	0.01	01
05	NEEDLE ROLLER BEARING -2	SKF MAKE HK 2012	S.S	0.01	01
04	NEEDLE ROLLER BEARING -1	SKF MAKE HK 2520	S.S	0.025	02
03	BEARING HOLDER	BD2016DG050_1101	S.S	0.11	02
02	TOP COVER ASSY	BD2016DG050_1120	S.S	5.05	01
01	BI-ENCLOSURE-R	BD2016DG050_2110	S.S	25.38	01

REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	A	UNIT	UNIT WT.	CS	ZONE
					VAR.	MATL. SPCN.			QTY.		

ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT				36KV BUS-SECTIONALIZER FOR GIS				
STATUS OF DRAWING				सं. प्र. स. प्र.  BHARAT HEAVY ELECTRICALS LTD. BHOPAL				DRN.	SNK	SIGN	DATE	NO. OF
DISTRIBUTION OF PRINTS								CKD.	MMR		07-Oct-16	VAR
R&D	SWE	QCK						APPD	NB		24-Jul-17	
1	1	1										
REV.	DATE	ALTERED		DEPT	UNTL. DIMS. GR.	SCALE	WEIGHT (KG.)	REF. TO. ASSY. DRG.		ITEM NO.	NO. OF	
		CHECKED		GSG		1 : 1	28.759 kg	BD2016DG050_2000				
		APPROVED		CODE								
				35								
ZONE				TITLE				DRAWING NO.		REV		
				BI-ENCLOSURE ASSY-R				BD2016DG050_2100				
						SHEET NO.		NO. OF SHEETS				

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

DRAWING NO.
BD2016DG050_2110**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 02,03,04 & 09 FLANGES W.R.T PIPE SHOULD BE MAINTAINED THROUGH WELDING/FIXTURE/MACHINING BY ± 0.05 DEGREES.
3. ITEMS 02, 03, 04, 05, 06, 07, 08 AND 09 ARE TIG WELDED FULLY FROM INSIDE AND STICH WELDED FROM OUTSIDE TO PIPE-2.
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 WELL 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 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 3 SUITABLE DUMMY FLANGES.
11. PLEASE REFER SPECIFICATIONS PSGSG2012-13-028 FOR FURTHER CLARIFICATIONS.

09	FLANGE-3	BD2016DG050_2113	S.S	4.174	01
08	SHAFT BRACKET	BD2016DG050_1118	S.S	0.12	02
07	SUPPORT STUD	BD2016DG050_1117	S.S	0.08	01
06	EARTH STUD	BD2016DG050_1116	S.S	0.02	01
05	RFT-R	BD2016DG050_2112	S.S	0.42	01
04	BLANK COVER	BD2016DG050_1114	S.S	2.69	01
03	FLANGE-2	BD2016DG050_1113	S.S	2.52	01
02	FLANGE-1	BD2016DG050_1112	S.S	4.62	02
01	PIPE-2	BD2016DG050_2111	S.S	8.745	01

REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	A	UNIT	UNIT WT.	CS	ZONE
					VAR.	MATL. SPCN.			QTY.		

		01	PIPE-2	BD2016DG050_2111	S.S			8.745
								01
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT. NO.	MATL. CODE	UNIT WT.
						VAR.	MATL. SP CN.	QTY.

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

R&D

SW

QCK

1

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1

TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT

36kV BUS-SECTIONALIZER FOR GIS

Bharat Heavy Electricals Ltd.

Bhopal

Bharat Heavy Electricals Ltd.

Bhopal

Bharat Heavy Electricals Ltd.

Bhopal

Bharat Heavy Electricals Ltd.

Bhopal

Bharat Heavy Electricals Ltd.

Bhopal

Bharat Heavy Electricals Ltd.

Bhopal

DRN.

SNK

MMR

NB

APPD

REF. TO. ASSY. DRG.

ITEM NO.

NO. OF SHEETS

SHEET NO.

NO. OF SHEETS

NO. OF SHEETS

NO. OF SHEETS

SIGN

DATE

07-Oct-16

24-Jul-17

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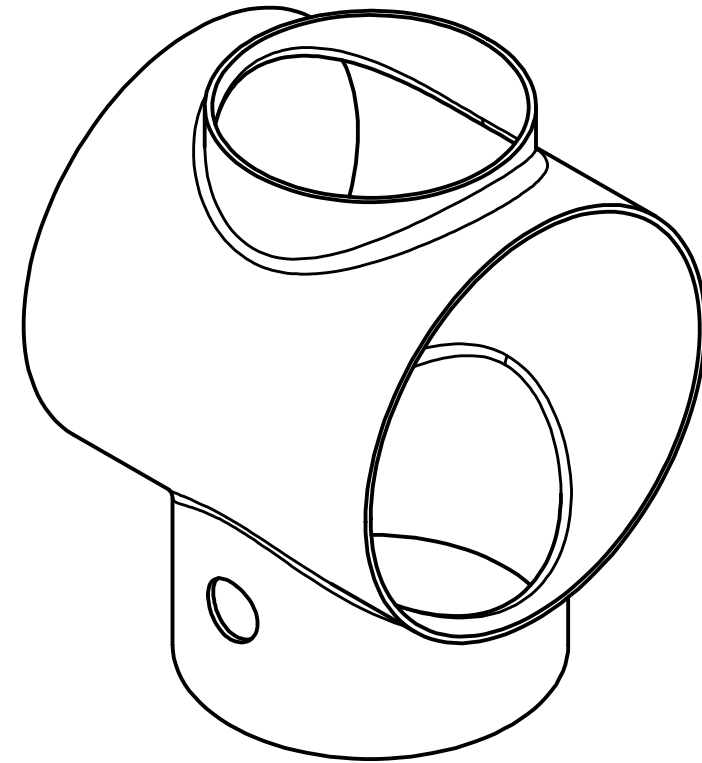
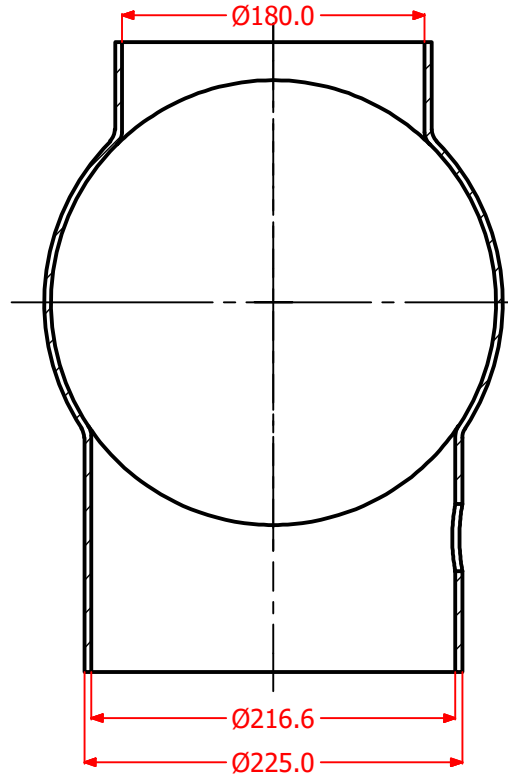
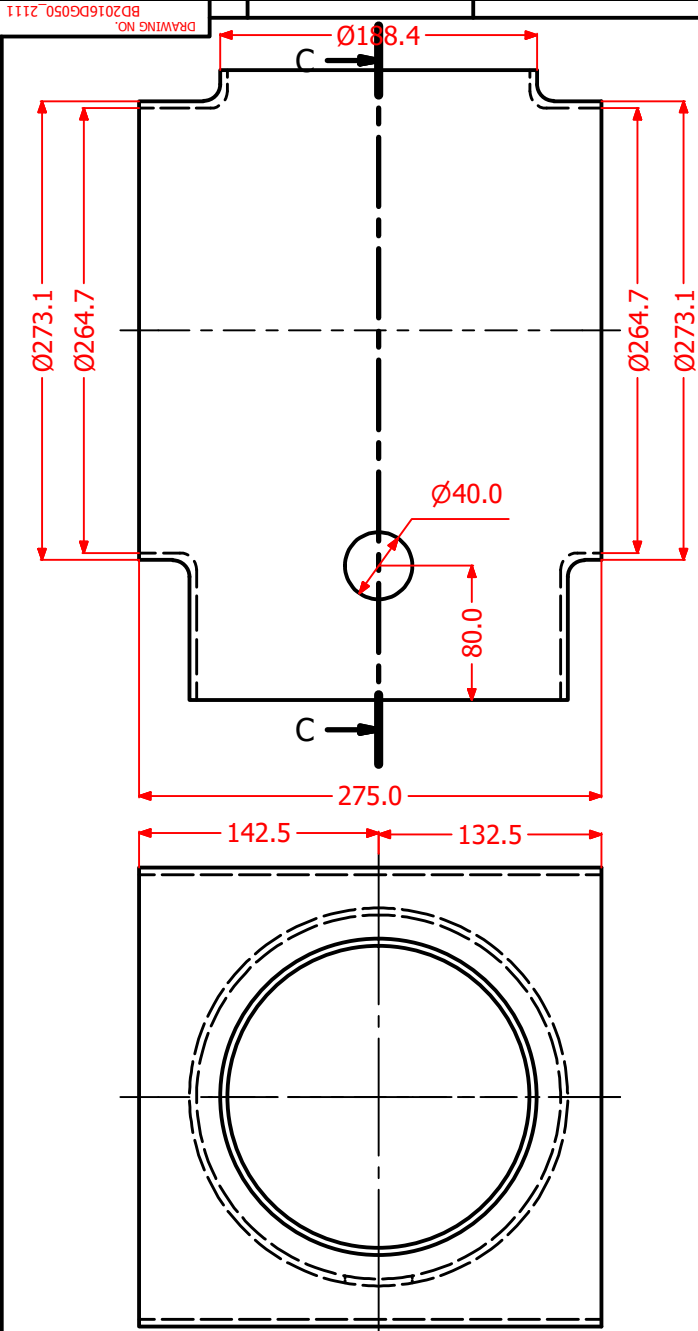
ZONE

FIRST ANGLE PROJECTION

C-C (1 : 4.5)

(ALL DIMENSIONS ARE IN mm)

(~3.2)



		01	TUBE		DIA 273.1 X 275MM	LEN	Stainless Steel, Austenitic		8.745 kg		
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITT. NO.	MATL. CODE	CT. A	UNIT WT.	CS	ZONE
						VAR.	MATL. SPCN.		QTY.		

ADDITIONAL INFORMATION

TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT
36kV BUS-SECTIONALIZER FOR GIS

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

R&D	SWE	QCX
1	1	1

BHARAT HEAVY ELECTRICALS LTD. BHOPAL

DRN.	SNK	SIGN	DATE	NO. OF VAR
CKD.	MMR		16-May-12	
APPD	NB		24-Jul-17	

REV.	DATE	ALTERED
		CHECKED
		APPROVED

DEPT	GSG
CODE	35

UNTOL. DIMS. GR.



SCALE 1 : 1

WEIGHT (KG.) 8.745 kg

REF. TO. ASSY. DRG.	ITEM NO.	NO. OF ITEM
BD2016DG050_2110		

REV.	DATE	ALTERED
		CHECKED
		APPROVED

TITLE
PIPE-2

DRAWING NO.	REV
BD2016DG050_2111	
SHEET NO.	NO. OF SHEETS

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

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

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

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

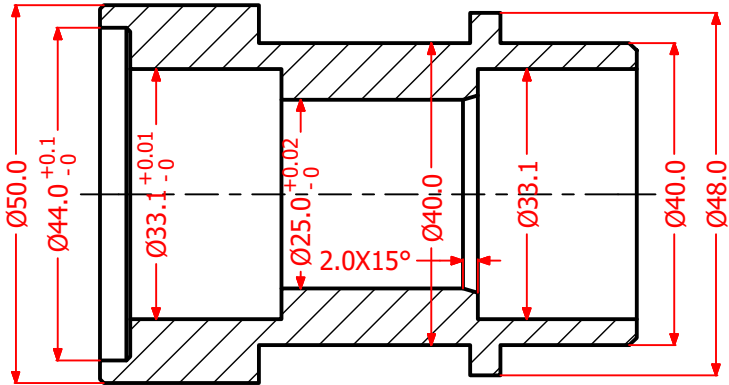
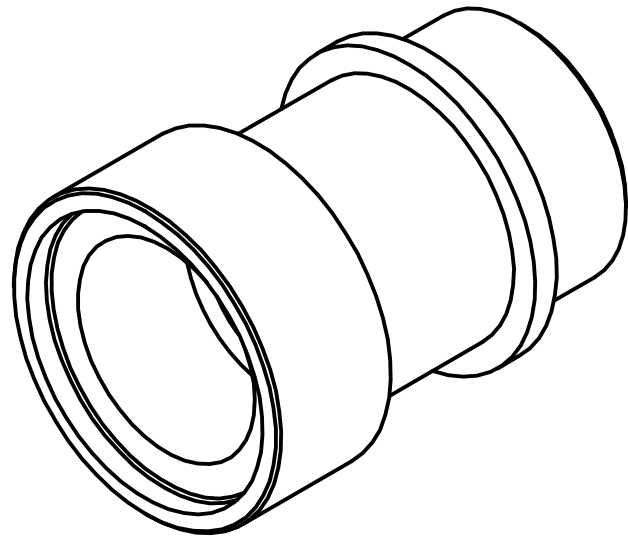
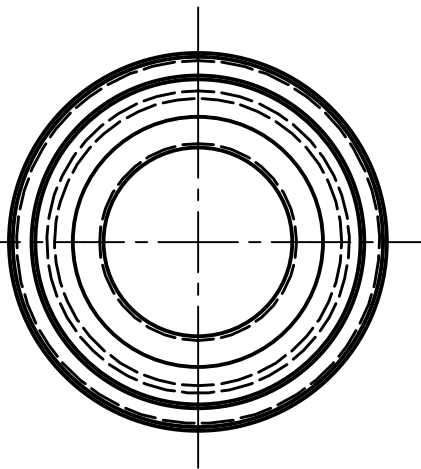
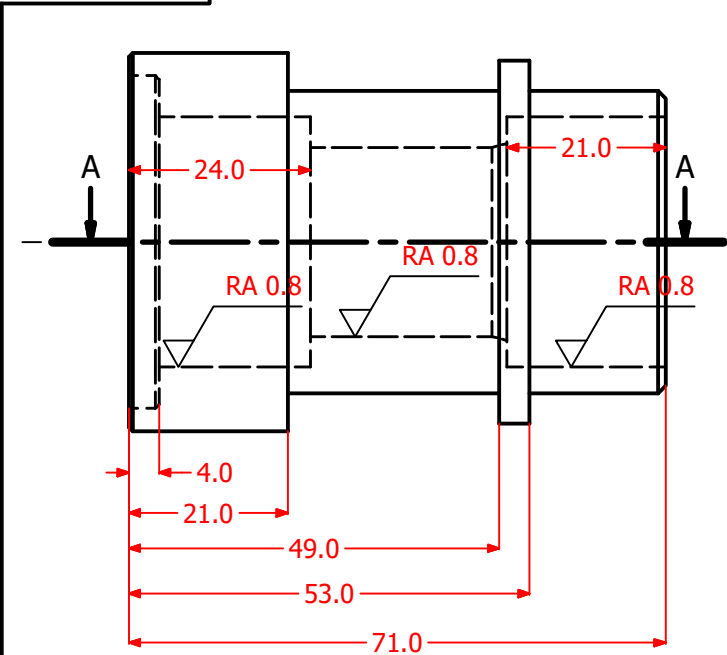
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REF. DRG. NO.

SIGN. & DATE

INVENTORY NO.

(~3.2)



NOTE :

1. FINISHED (FINAL) DIMENSIONS ARE GIVEN IN THIS DRG. HOWEVER THE SUPPLIER SHOULD PROVIDE NECESSARY MACHINING. ALLOWANCES AS FINAL MACHINING. IS TO BE DONE AFTER WELDING TO ACHIEVE DESIRED ACCURACY.
2. ALL SHARP CORNERS ARE CHAMFERED TO 0.8X45°

01		ROD		DIA 50 X71MM LEN		Stainless Steel, Austenitic		0.418 kg	
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	UNIT	UNIT WT.	ZONE
					VAR.	MATL. SPCN.	QTY.		
ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT					
STATUS OF DRAWING				36KV BUS-SECTIONALIZER FOR GIS					
DISTRIBUTION OF PRINTS				BHARAT HEAVY ELECTRICALS LTD. BHOPAL					
R&D	SWE	QCK		DRN.	SNK	SIGN	DATE	NO. OF	
1	1	1		CKD.	MMR		26-Aug-13	VAR	
				APPD	NB		24-Jul-17		
DEPT	GSG	UNTL	DIMS. GR.	SCALE	WEIGHT (KG.)	REF. TO. ASSY. DRG.		ITEM NO.	NO. OF ITEM
35				1 : 1	0.418 kg	BD2016DG050_2110			
TITLE				RFT-R		DRAWING NO.		REV	
						BD2016DG050_2112			
						SHEET NO.		NO. OF SHEETS	

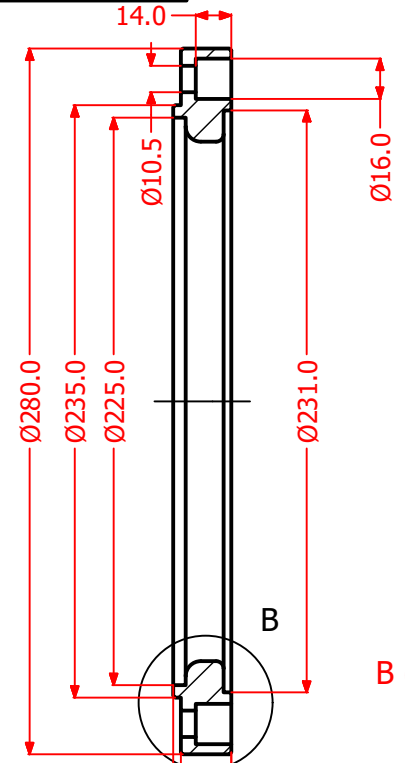
A-A (1 : 1)

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

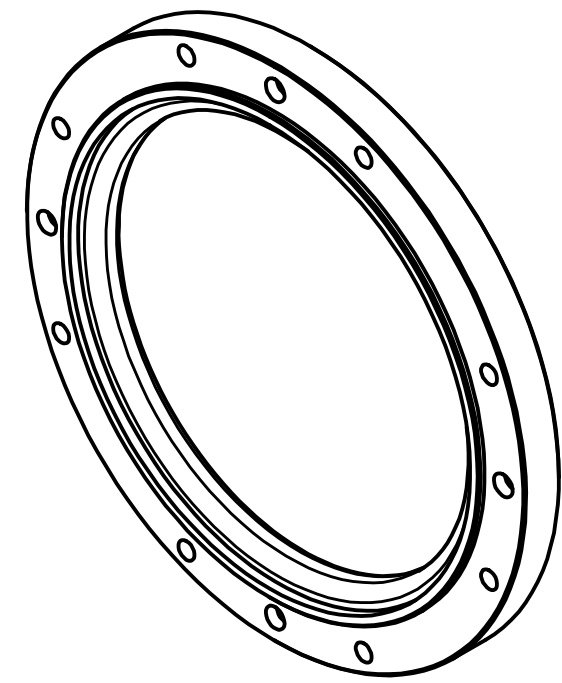
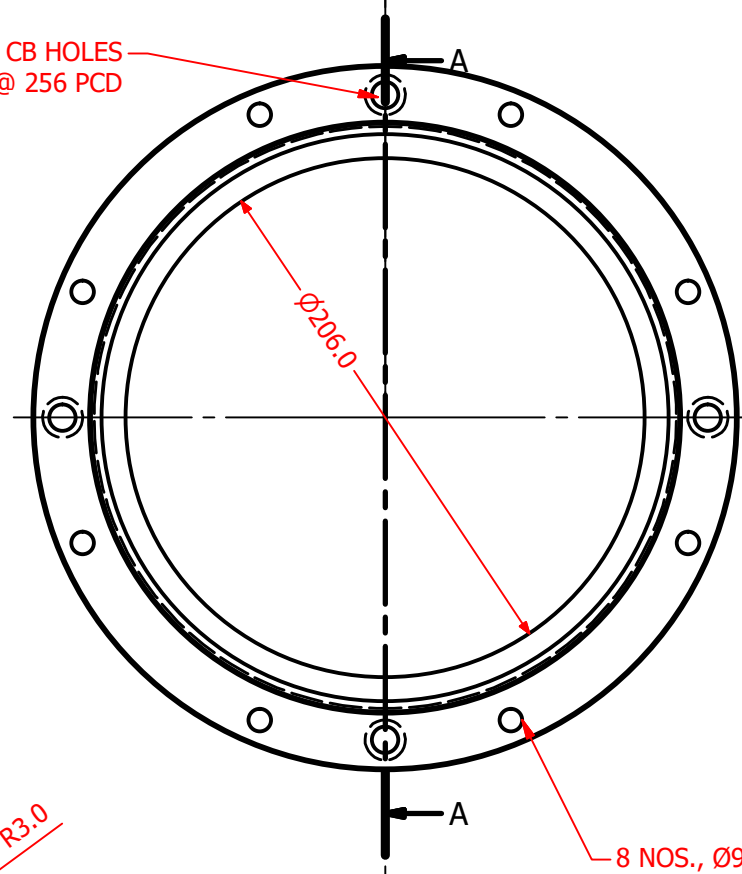
FAST ANGLE PROJECTION
AA (1:3)

(ALL DIMENSIONS ARE IN mm)

(~3.2)

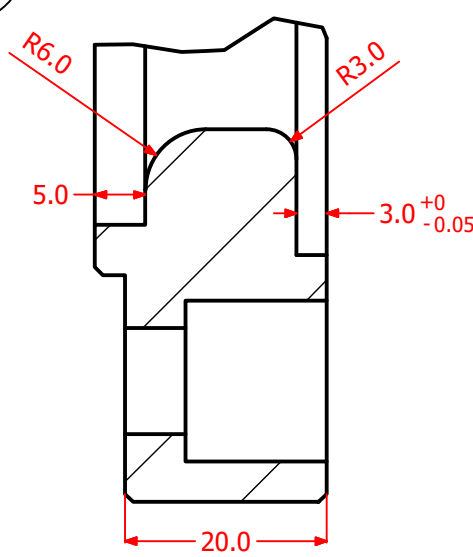


3 NOS., Ø16 CB HOLES
@ 256 PCD



8 NOS., Ø9.0 CLEAR
HOLES @ 260 PCD

B (2 : 1.5)



NOTE : ALL SHARP CORNERS ARE CHAMFERED 0.8 X 45°

01		BLANK	DIA 280 X 23MM THK		Stainless Steel, Austenitic		4.067 kg	
REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	UNIT WT.	
					VAR.	MATL. SPCN.	QTY.	
ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT				
STATUS OF DRAWING				36kV BUS-SECTIONALIZER FOR GIS				
DISTRIBUTION OF PRINTS				BHARAT HEAVY ELECTRICALS LTD. BHOPAL				
R&D	SWE	QCX		DRN.	SNK	SIGN	DATE	
1	1	1		CKD.	MMR		12-Oct-16	
				APPD	NB		24-Jul-17	
DEPT	GSG	UNTL	DIMS. GR.	SCALE	WEIGHT (KG.)	REF. TO. ASSY. DRG.	ITEM NO.	
35				1 : 1	4.067 kg	BD2016DG050_2110	NO. OF ITEM	
TITLE				DRAWING NO.				
Flange-3				BD2016DG050_2113				
				SHEET NO.				
				NO. OF SHEETS				

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

INVENTORY NO. SIGN. & DATE REF. DRG. NO.

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DRAWING NO. BD2016DG050_2113