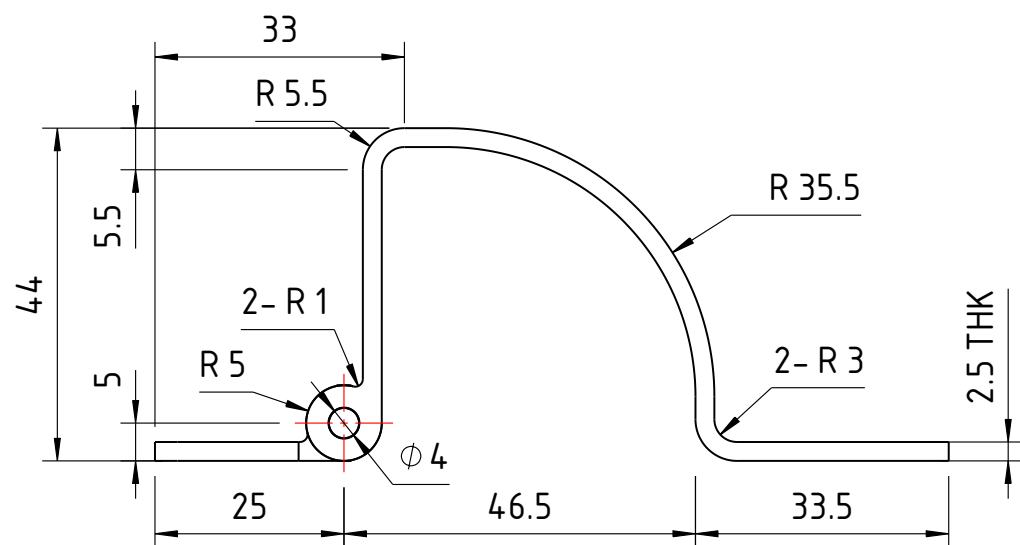


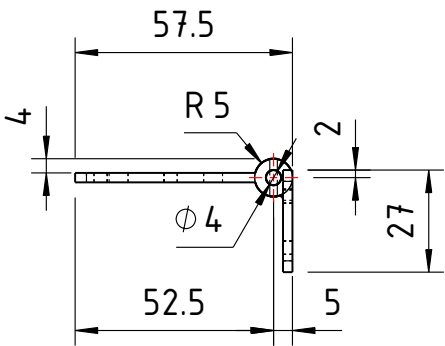
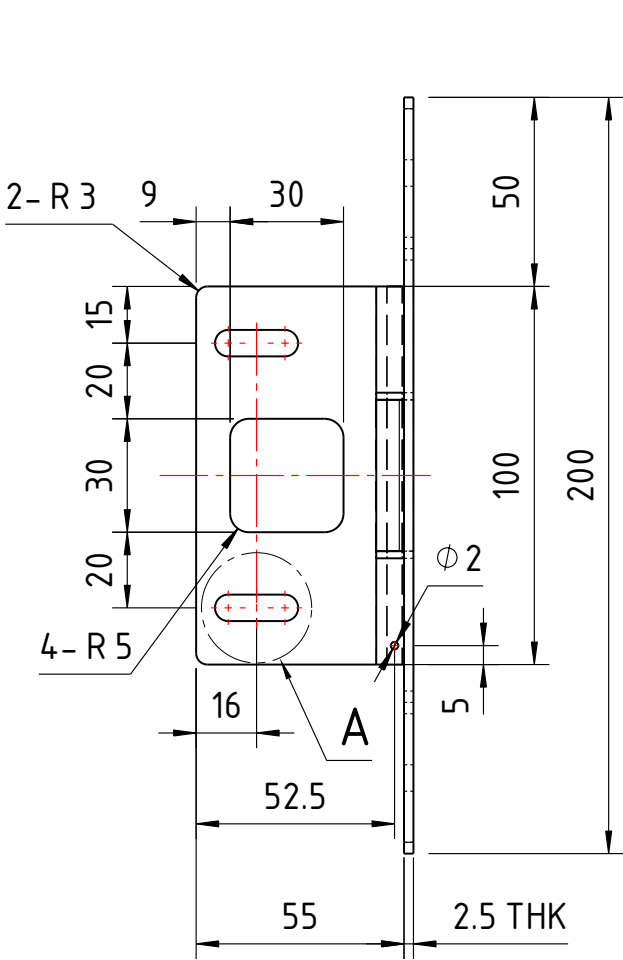
SURFACE
ROUGHNESS



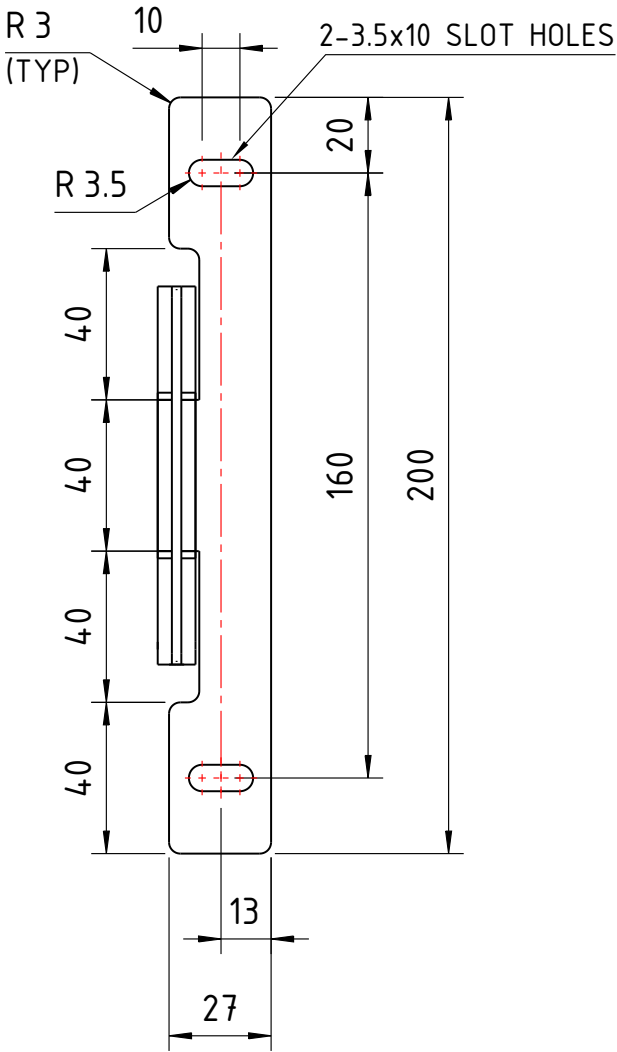
1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIIC / TD /083.
2. THE HINGES ASSEMBLY SHALL BE OF AL6063-T5.
3. THE HINGES SHALL BE FROM REPUTED SUPPLIERS NAMELY, SOUTHCO/COHAMA.
4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
5. HINGE ASSY SHALL BE SUPPLIED IN ASSEMBLED CONDITION.
6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.

Technical drawing of a rectangular plate. The overall dimensions are 44 (width) and 100 (height). A central rectangular feature is defined by dimensions 28 (width) and 40 (height). A small dimension of 2 is indicated for a specific part of the central feature.

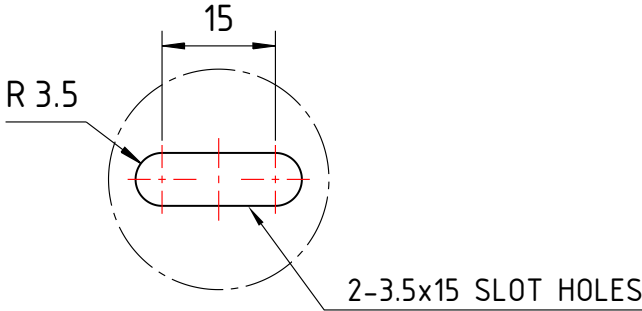
A3



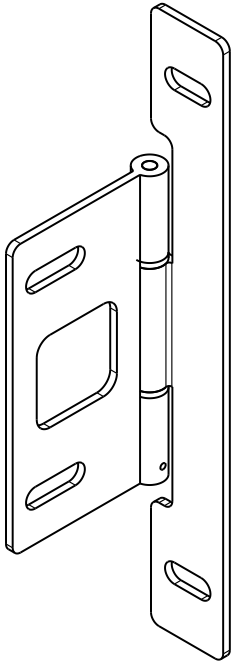
- NOTES:
1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIIC / TD /083.
 - 2.THE HINGES ASSEMBLY SHALL BE OF AL6063-T5.
 - 3.THE HINGES SHALL BE FROM REPUTED SUPPLERS NAMELY,SOUTHCO/COHAMA.
 4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
 5. HINGE ASSY SHALL BE SUPPLIED IN ASSEMBLED CONDITION.
 6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
 7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.







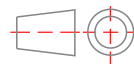


MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM	RANGE	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000
	TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1					GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2				
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920					VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.				
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3		WELDING PROCESS SHALL BE AS PER EN ISO-4063			STATUS:	PROTO/PRODUCTION			
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553		WELDING POSITIONS SHALL BE AS PER EN ISO 6947							
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817									
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3					INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5				

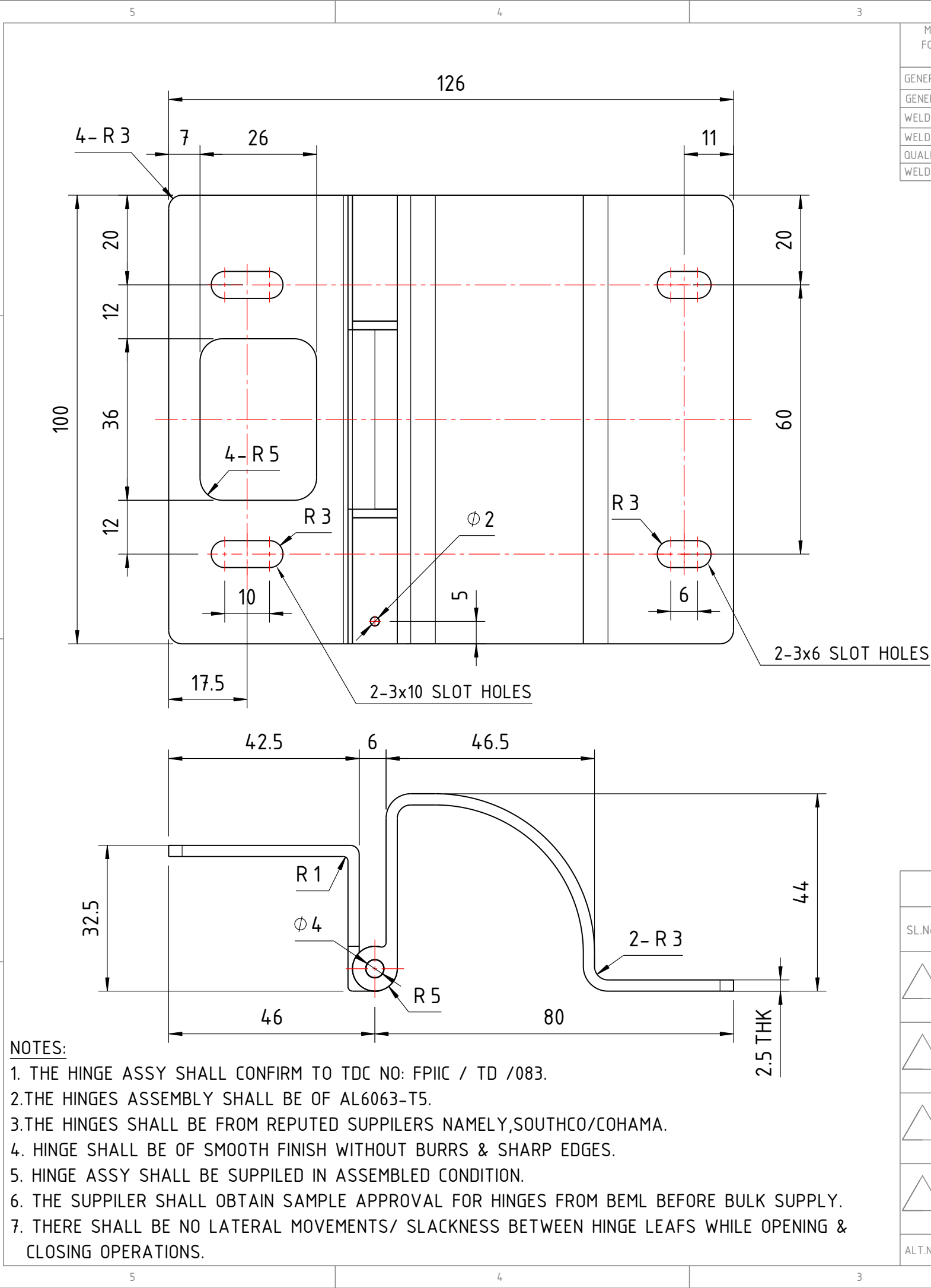


DETAIL-A
1:1



ISOMETRIC VIEW

SL.No.	QTY	PART / STOCK No.				DESCRIPTION	SIZE (mm)	COMPANY STD./I.S		Wt. (Kg)	
								MATERIAL			
						PRODUCT	TRAIN B28				
						REF DRG	---				
						MATERIAL	AL6063-T5				
						HEAT TREAT.	---	APPD	KRISHNA PRASAD	08.05.26	
						SURFACE TREAT.	---	REVD	KRISHNA PRASAD	08.05.26	
						TITLE		CHKD	SANTOSH KUMAR	08.05.26	
								DRWN	R ABINAYA	08.05.26	
								SCALE		SHEET	Wt.(kg)
								1:2	1 OF 1	0.08	
ALT.No.	ECN No./CHANGES	DATE	BY	CHKD	APPO		BANGALORE COMPLEX	DRG No.	843-20173	ALT	



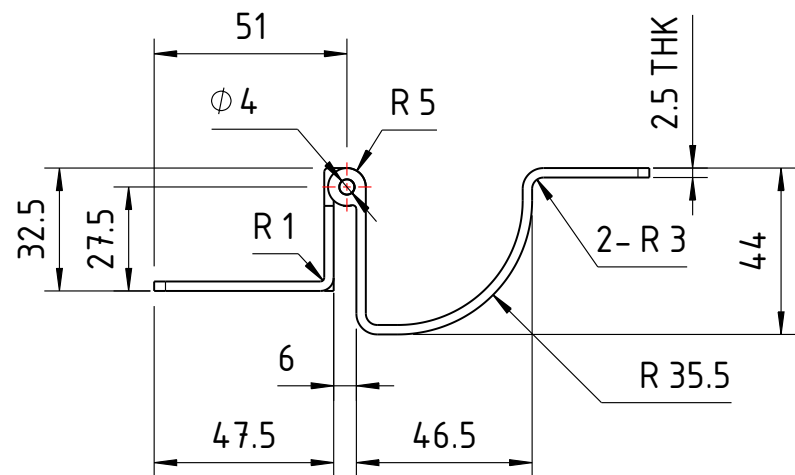
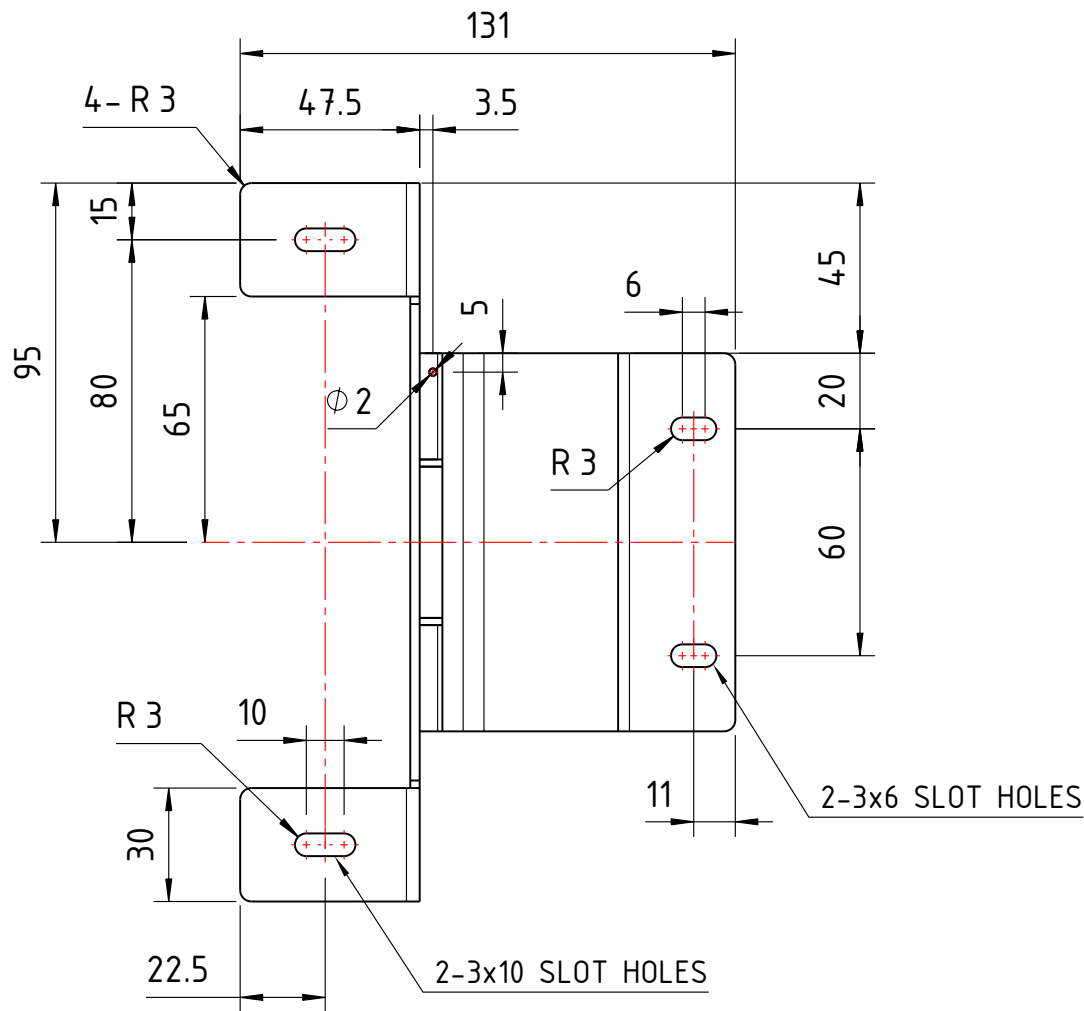
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM		RANGE	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000
		TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1						GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2				
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920						VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.				
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3			WELDING PROCESS SHALL BE AS PER EN ISO-4063			STATUS:		PROTO/PRODUCTION		
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553			WELDING POSITIONS SHALL BE AS PER EN ISO 6947							
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817										
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3						INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5				

ISOMETRIC VIEW

SL.No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE (mm)	COMPANY STD./I.S	Wt. (Kg)	
					MATERIAL		
			PRODUCT	TRAIN B28			
			REF DRG	---			
			MATERIAL	AL6063-T5			
			HEAT TREAT.	APPD	KRISHNA PRASAD	08.05.26	
			SURFACE TREAT.	REVD	KRISHNA PRASAD	08.05.26	
			TITLE	CHKD	SANTOSH KUMAR	08.05.26	
			HINGE TYPE -3	DRWN	R ABINAYA	08.05.26	
				SCALE		SHEET	Wt.(kg)
				1:1	1 OF 1	---	
ALT.No.	ECN No./CHANGES	DATE	BY	CHKD	APPD	DRG No.	
						843-20110	
						ALT	
						0	

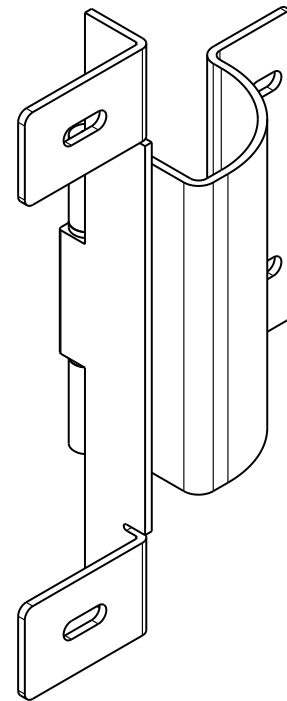
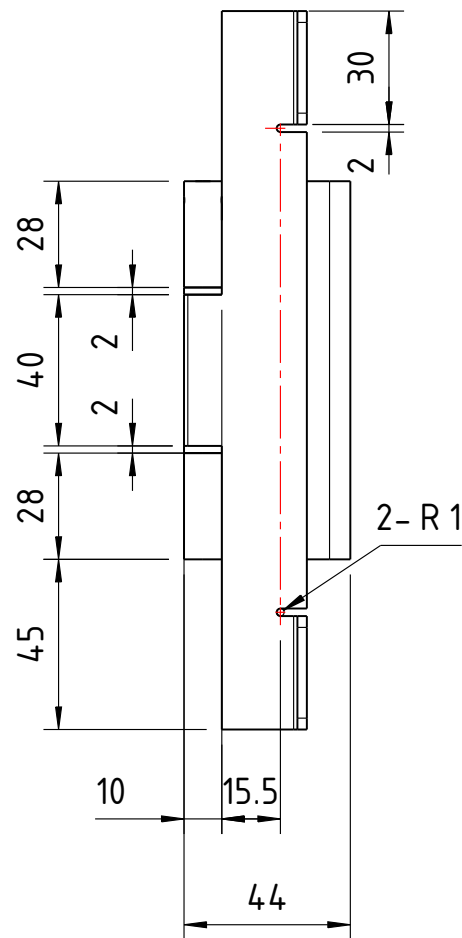
BANGALORE COMPLEX

		2				1				
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM	RANGE	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000	
	TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1					GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2					
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920					VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.					
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3		WELDING PROCESS SHALL BE AS PER EN ISO-4063				STATUS:	PROTO/PRODUCTION			
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553		WELDING POSITIONS SHALL BE AS PER EN ISO 6947								
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817										
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3				INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5						







NOTES:


1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIIC / TD /083.
2. THE HINGES ASSEMBLY SHALL BE OF AL6063-T5.
3. THE HINGES SHALL BE FROM REPUTED SUPPLIERS NAMELY, SOUTHCO/COHAMA.
4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
5. HINGE ASSY SHALL BE SUPPLIED IN ASSEMBLED CONDITION.
6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.


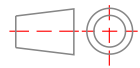




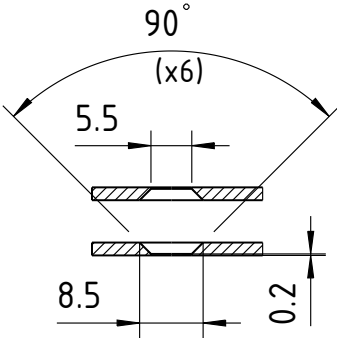
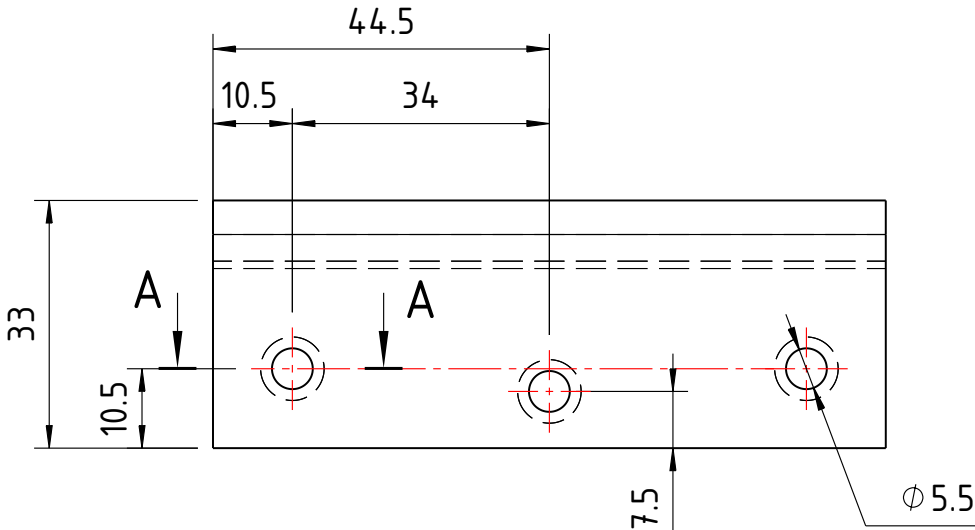
ISOMETRIC VIEW

SL.No.	QTY	PART / STOCK No.	DESCRIPTION		SIZE (mm)	COMPANY STD./I.S		Wt. (Kg)
						MATERIAL		
						PRODUCT		
						TRAIN B28		
						REF DRG		

						MATERIAL		
						AL6063-T5		
						HEAT TREAT.		

						SURFACE TREAT.		

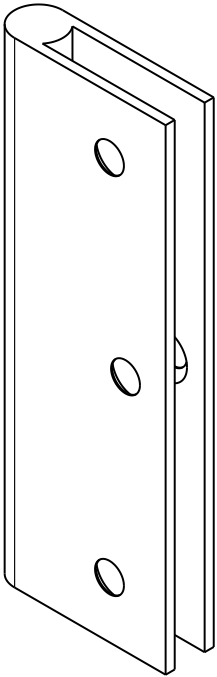
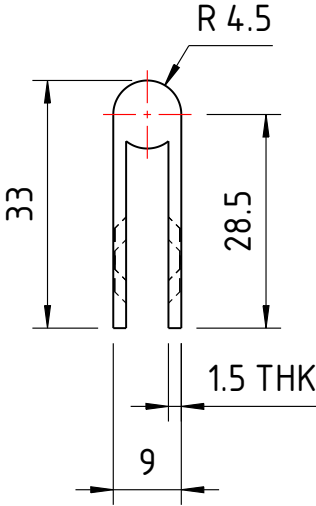
						TITLE		
						HINGE TYPE -4		
						CHKD	SANTOSH KUMAR	08.05.26
						DRWN	R ABINAYA	08.05.26
						SCALE		SHEET
						1:2		1 OF 1
						DRG No.		
						843-20124		
ALT.No.	ECN No./CHANGES	DATE	BY	CHKD	APPO	BANGALORE COMPLEX		ALT
								






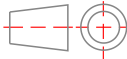

SECTION A-A
1:1

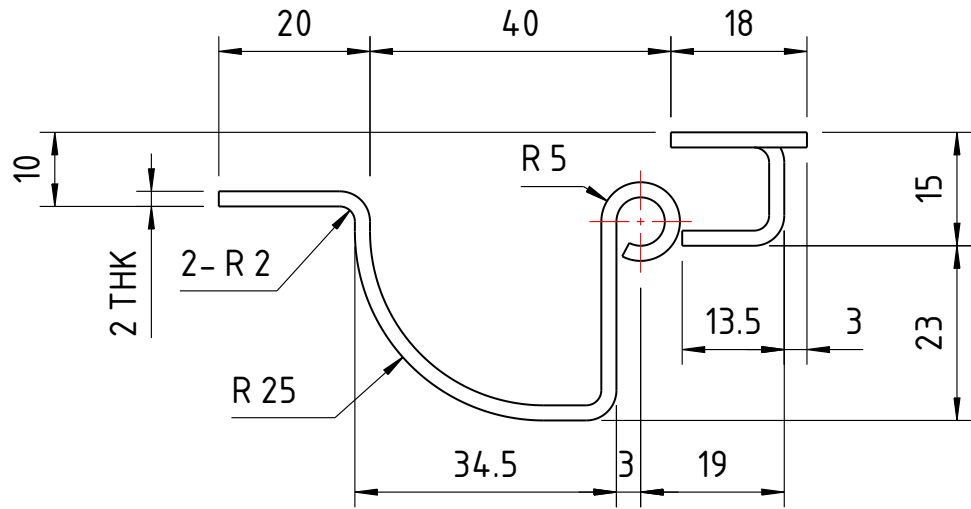
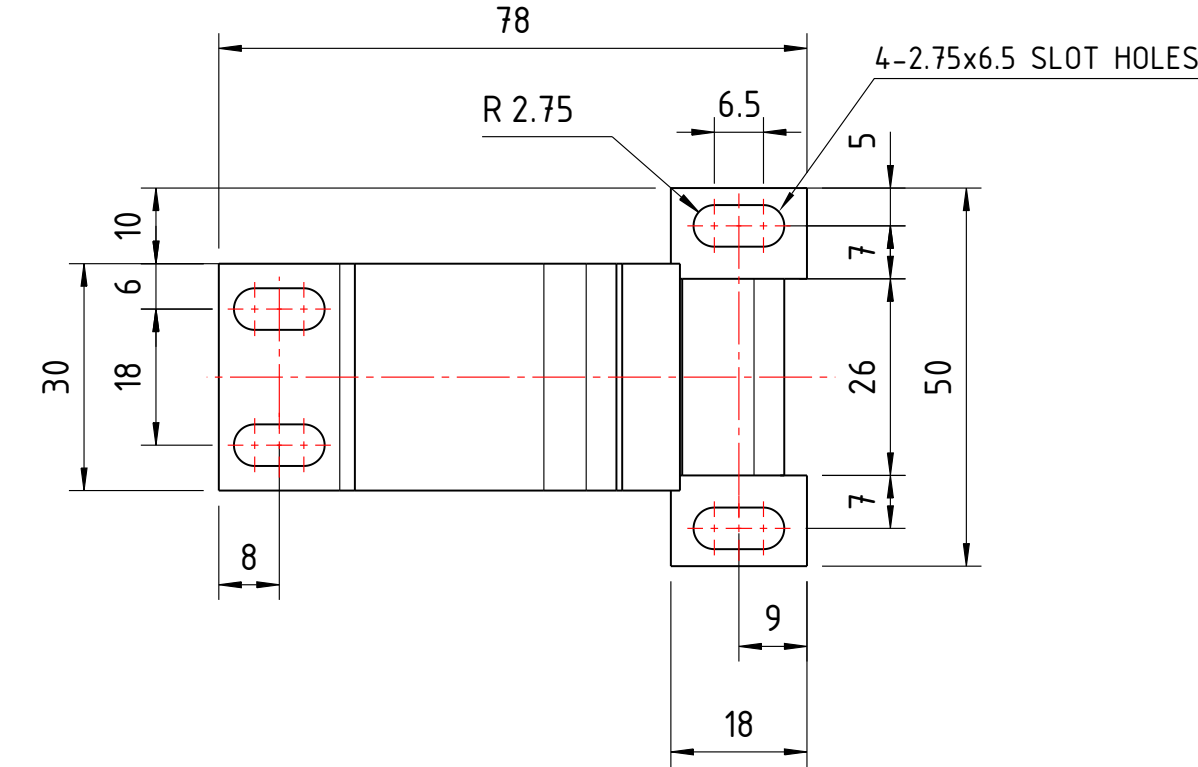
- NOTES:
- 1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIIC / TD /083.
 - 2.THE HINGES ASSEMBLY SHALL BE OF SUS304 WITH BUFF TO MIRROR FINISH.
 - 3.THE HINGES SHALL BE FROM REPUTED SUPPLERS NAMELY,SOUTHCO/COHAMA.
 - 4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
 - 5. HINGE ASSY SHALL BE SUPPIED IN ASSEMBLED CONDITION.
 - 6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
 - 7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.

		2					1			
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM	RANGE	0.5 – 3	3 – 6	6 – 30	30 – 120	120 – 400	400 – 1000	1000 – 2000	2000 – 4000	
	TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1					GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2					
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920					VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.					
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3			WELDING PROCESS SHALL BE AS PER EN ISO-4063				STATUS:	PROTO/PRODUCTION		
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553			WELDING POSITIONS SHALL BE AS PER EN ISO 6947							
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817										
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3				INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5						



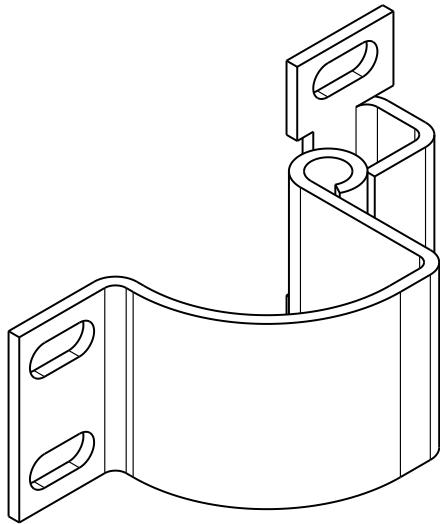
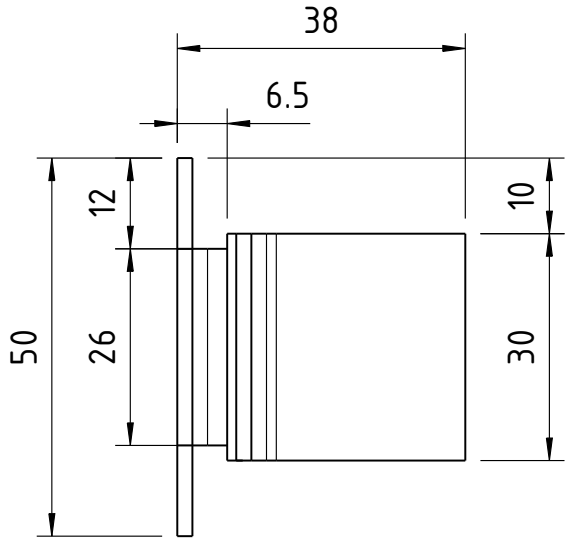
ISOMETRIC VIEW

SL.No.	QTY	PART / STOCK No.				DESCRIPTION	SIZE (mm)		COMPANY STD./I.S		Wt. (Kg)
									MATERIAL		
						PRODUCT	TRAIN B28				
						REF DRG	---				
						MATERIAL	SUS304				
						HEAT TREAT.	---	APPD	KRISHNA PRASAD	08.06.26	
						SURFACE TREAT.	---	REVD	KRISHNA PRASAD	08.06.26	
						TITLE	HINGE TYPE -5	CHKD	SANTOSH KUMAR	08.06.26	
								DRWN	R ABINAYA	08.06.26	
								SCALE		SHEET	Wt.(kg)
								1:1		1 OF 1	----
ALT.No.	ECN No./CHANGES				DATE	BY	CHKD	APPD	DRG No.		ALT
									843-20162		





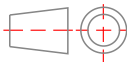




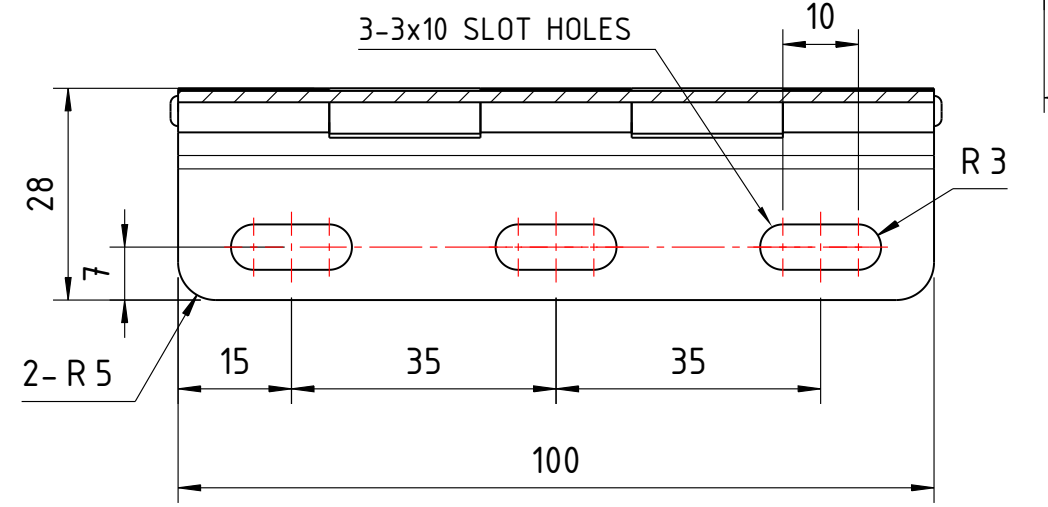
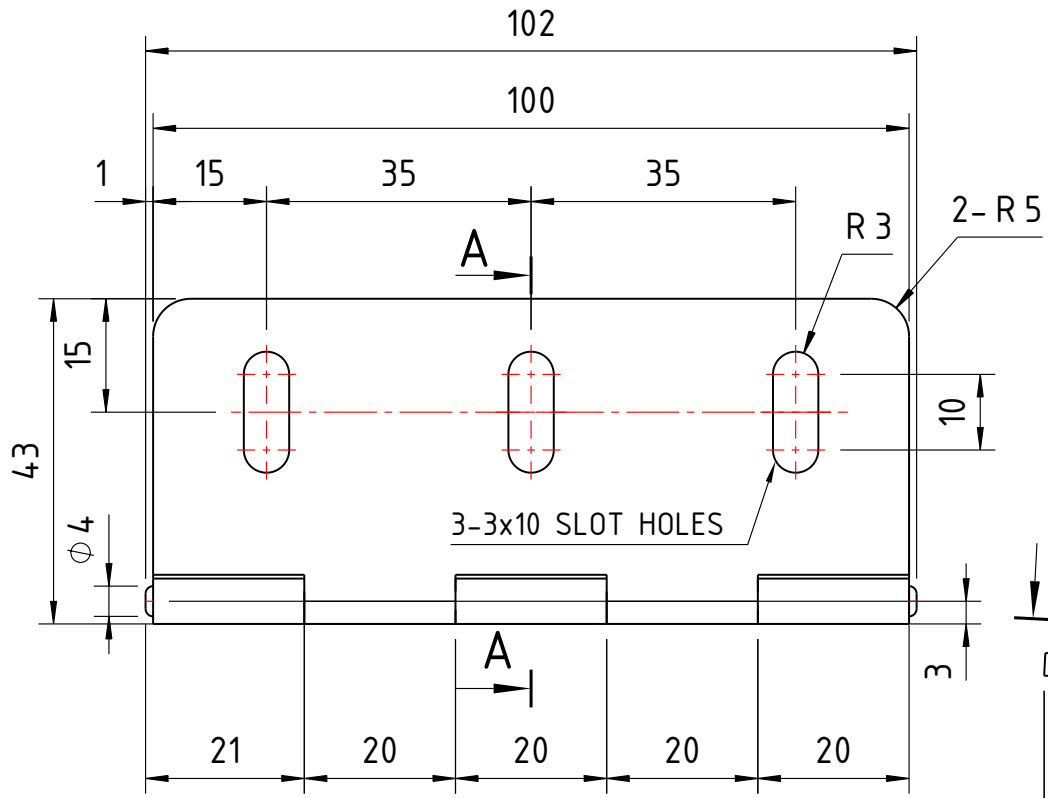
- NOTES:
1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIC / TD /083.
 - 2.THE HINGES ASSEMBLY SHALL BE OF SUS304 WITH BUFF TO MIRROR FINISH.
 - 3.THE HINGES SHALL BE FROM REPUTED SUPPLIERS NAMEDLY,SOUTHCO/COHAMA.
 4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
 5. HINGE ASSY SHALL BE SUPPLIED IN ASSEMBLED CONDITION.
 6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
 7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.

		2				1			
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM	RANGE	0.5 – 3	3 – 6	6 – 30	30 – 120	120 – 400	400 – 1000	1000 – 2000	2000 – 4000
	TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1					GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2				
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920					VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.				
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3		WELDING PROCESS SHALL BE AS PER EN ISO-4063			STATUS:		PROTO/PRODUCTION		
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553		WELDING POSITIONS SHALL BE AS PER EN ISO 6947							
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817									
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3				INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5					



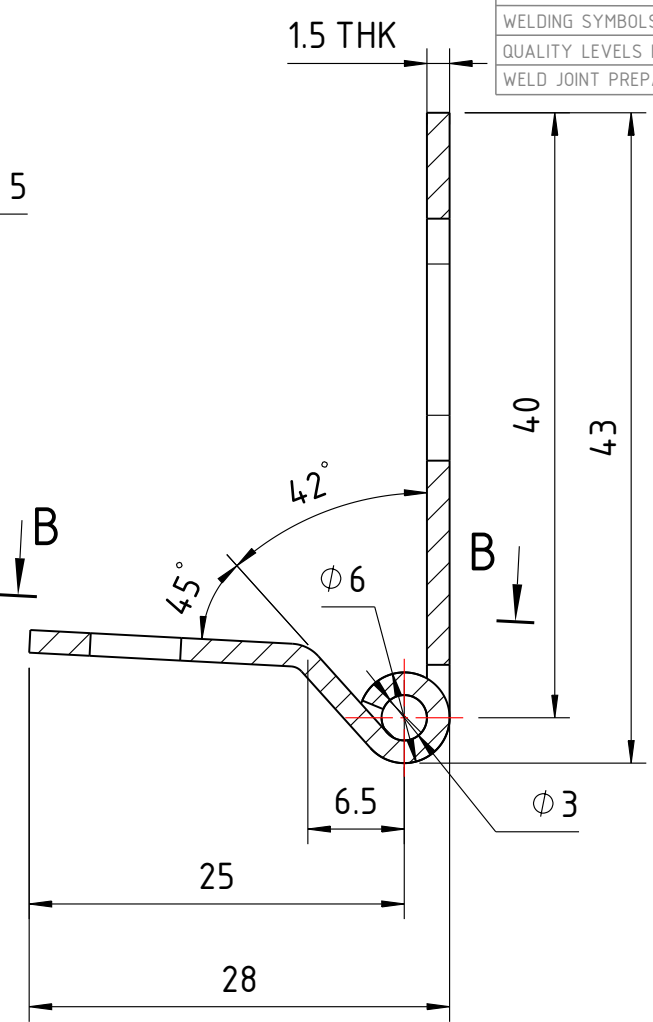
ISOMETRIC VIEW

SL.No.	QTY	PART / STOCK No.				DESCRIPTION		SIZE (mm)		COMPANY STD./I.S		Wt. (Kg)						
										MATERIAL								
						PRODUCT	TRAIN B28											
						REF DRG	---											
						MATERIAL	SUS304											
						HEAT TREAT.	---	APPD	KRISHNA PRASAD		08.05.26							
						SURFACE TREAT.	---	REVD	KRISHNA PRASAD		08.05.26							
						TITLE	HINGE TYPE -6	CHKD	SANTOSH KUMAR		08.05.26							
						DRWN		R ABINAYA		08.05.26								
						SCALE			SHEET	Wt.(kg)								
						1:1		1 OF 1		---								
ALT.No.	ECN No./CHANGES				DATE	BY	CHKD	APPD	BANGALORE COMPLEX				DRG No.	843-20111		ALT		
																		

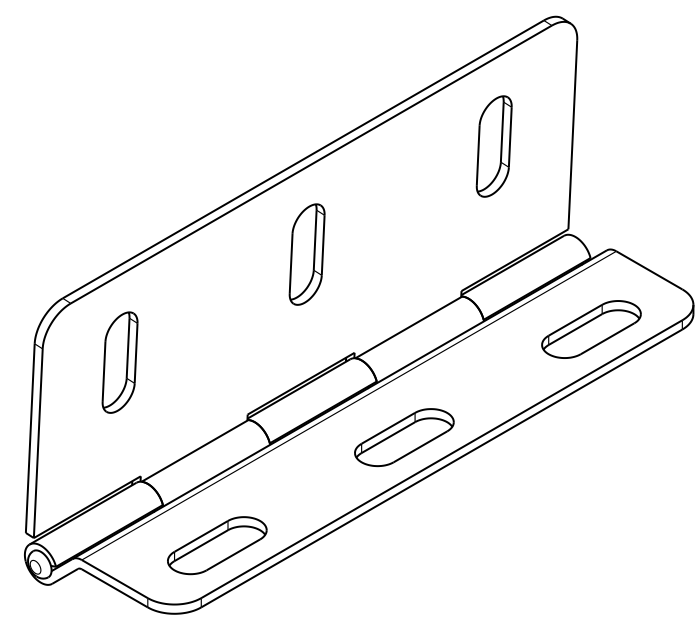


SECTION B-B

- NOTES:
1. THE HINGE ASSY SHALL CONFIRM TO TDC NO: FPIIC / TD /083.
 - 2.THE HINGES ASSEMBLY SHALL BE OF AL6063-T5.
 - 3.THE HINGES SHALL BE FROM REPUTED SUPPLIERS NAMED,SOUTHCO/COHAMA.
 4. HINGE SHALL BE OF SMOOTH FINISH WITHOUT BURRS & SHARP EDGES.
 5. HINGE ASSY SHALL BE SUPPLIED IN ASSEMBLED CONDITION.
 6. THE SUPPLIER SHALL OBTAIN SAMPLE APPROVAL FOR HINGES FROM BEML BEFORE BULK SUPPLY.
 7. THERE SHALL BE NO LATERAL MOVEMENTS/ SLACKNESS BETWEEN HINGE LEAFS WHILE OPENING & CLOSING OPERATIONS.



SECTION A-A
2:1



ISOMETRIC VIEW

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM		RANGE	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000
		TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1						GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2				
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920						VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302.				
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3			WELDING PROCESS SHALL BE AS PER EN ISO-4063			STATUS:		PROTO/PRODUCTION		
WELDING SYMBOLS SHALL BE AS PER EN ISO-2553			WELDING POSITIONS SHALL BE AS PER EN ISO 6947							
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817										
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3						INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5				

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