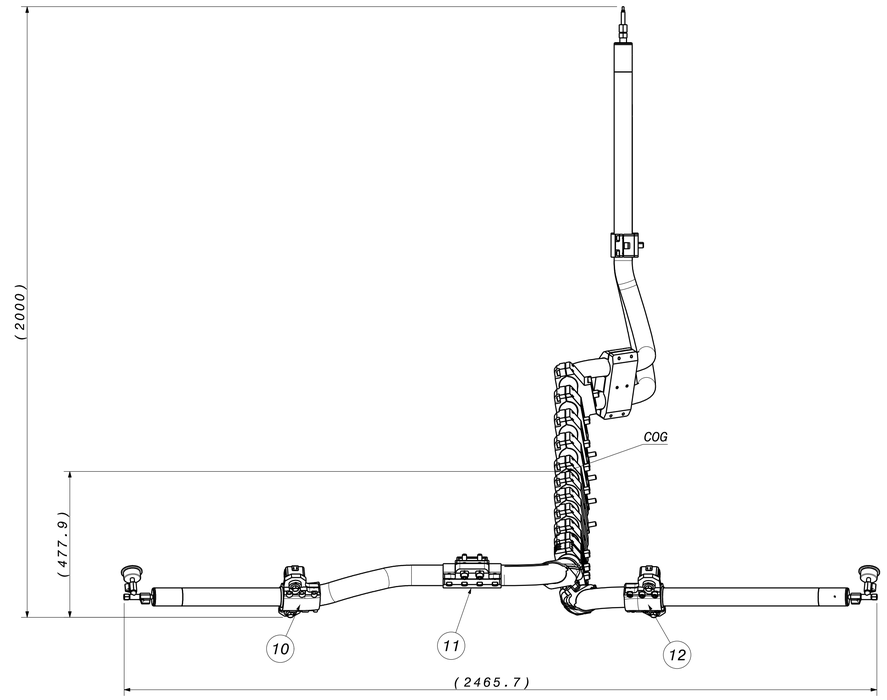
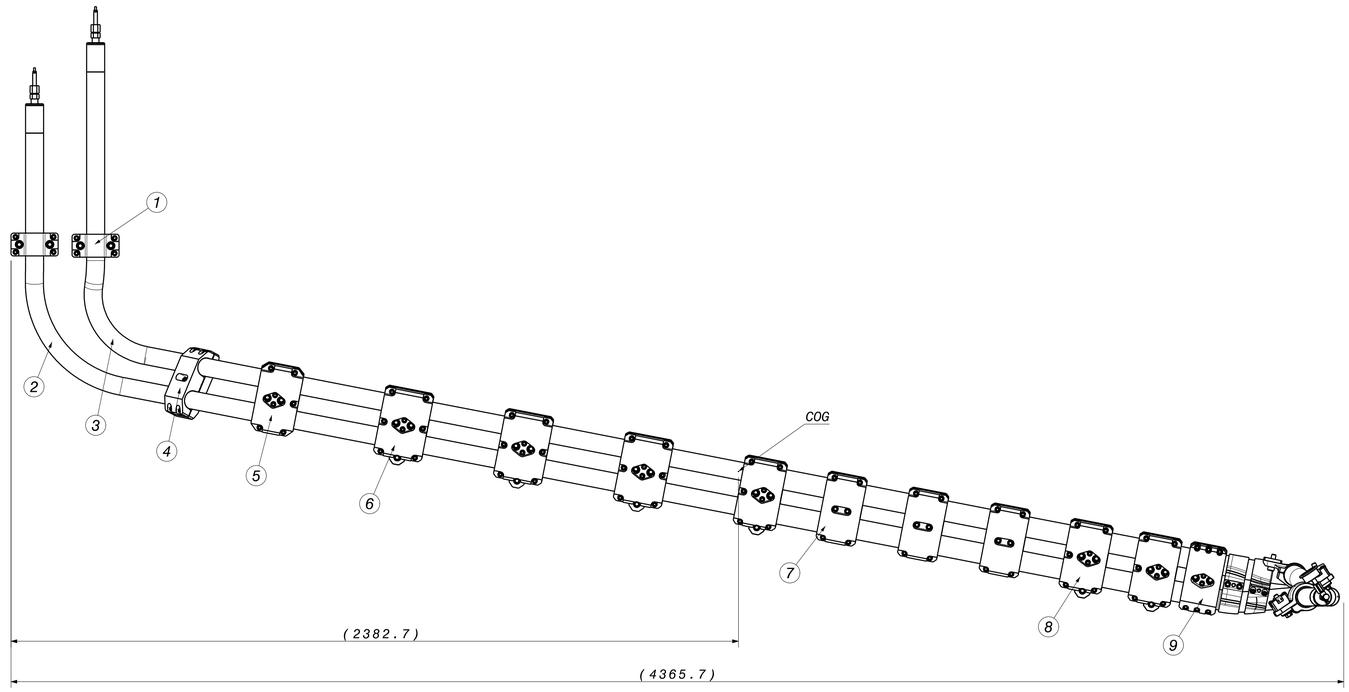
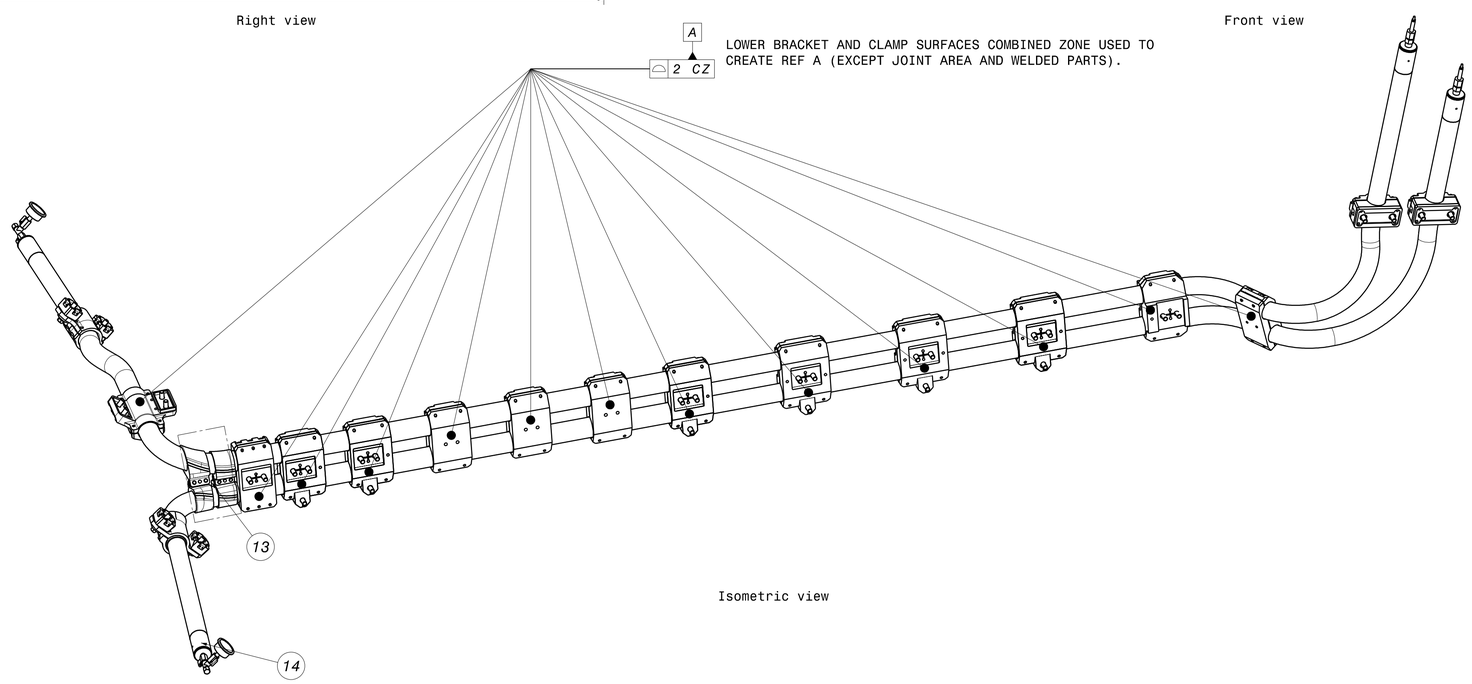


Right view



Front view



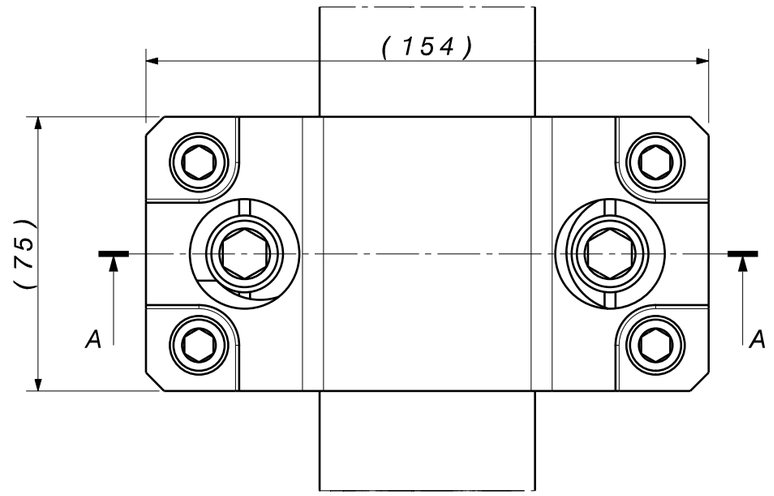
Isometric view

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR.
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K,UNSPECIFIED PROFILE TOLERANCE: 4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.DURING INSTALLATION, A LASER TRACKER IS USED TO ASSIST IN POSITIONING, AND AFTER INSTALLATION, THE INSTALLATION POSITION IS VERIFIED.
6.ACCORDING TO THE RAILS PROVIDED BY ITER, IVC_BRACKET_JOINT_02_UVF#WP#XE724J HAD ALREADY TRANSLATED 7.4MM ALONG THE CONDUCTOR AXIALLY AWAY FROM THE END,IVC_BRACKET_05_UVF#WP#SMFFVW AND IVC_BRACKET_JOINT_01_UVF#WP#XDZUBQ HAD ALREADY TRANSLATED 6.2 MM ALONG THE CONDUCTOR AXIALLY AWAY FROM THE END,IVC_BRACKET_JOINT_UF#WP#Y7L63H HAD ALREADY TRANSLATED 2MM ALONG THE CONDUCTOR AXIALLY AWAY FROM THE END.

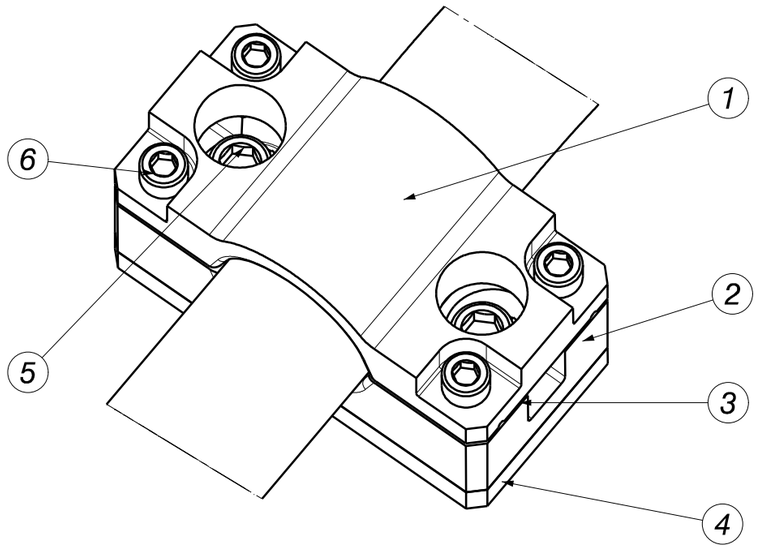
ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
14	SCC/IED01.00	IVC_CONDUCTOR_SEALING	2	/	/
13	SCC/IED05.13	IVC_CONDUCTOR_TOP&BOTTOM_UVF_ASSY	1	/	0.38
12	SCC/IED05.12	IVC_BRACKET_JOINT_02_UVF#WP#XE724J	1	/	6.334
11	SCC/IED05.11	IVC_BRACKET_05_UVF#WP#SMFFVW	1	/	6.851
10	SCC/IED05.10	IVC_BRACKET_JOINT_01_UVF#WP#XDZUBQ	1	/	6.843
9	SCC/IED05.09	IVC_BRACKET_04_UVF#WP#SH4GR8	1	/	8.358
8	SCC/IED05.08	IVC_BRACKET_03_UVF#WP#SH4GSK	3	/	30.321
7	SCC/IED05.07	IVC_CLAMP_02_UVF#WP#SH4GT3	3	/	30.24
6	SCC/IED05.06	IVC_BRACKET_02_UVF#WP#XC9L23	3	/	42.06
5	SCC/IED05.05	IVC_BRACKET_01_UVF#WP#SMF65U	1	/	15.603
4	SCC/IED05.04	IVC_CLAMP_01_UVF#WP#XDZFAV	1	/	9.015
3	SCC/IED05.03	IVC_CONDUCTOR_TOP_UVF#WP#3DMQPV	1	/	98.258
2	SCC/IED05.02	IVC_CONDUCTOR_BOTTOM_UVF_ASSY#WP#XTU2A3	1	/	88.443
1	SCC/IED05.01	IVC_BRACKET_JOINT_UF#WP#Y7L63H	2	/	9.578

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.				
APPROVED BY: Yu WU					
REVIEWED BY: Houxiang HAN					
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK				
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9				
SHEET SIZE: 841x594 / SCALE: /	SHEET NAME: /		MATERIAL: /		
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05	QUANTITY: 1	NO.OF SHTS: 1	SHEET: 74	TIME: 05-06-2025 / REVISION: V1.3

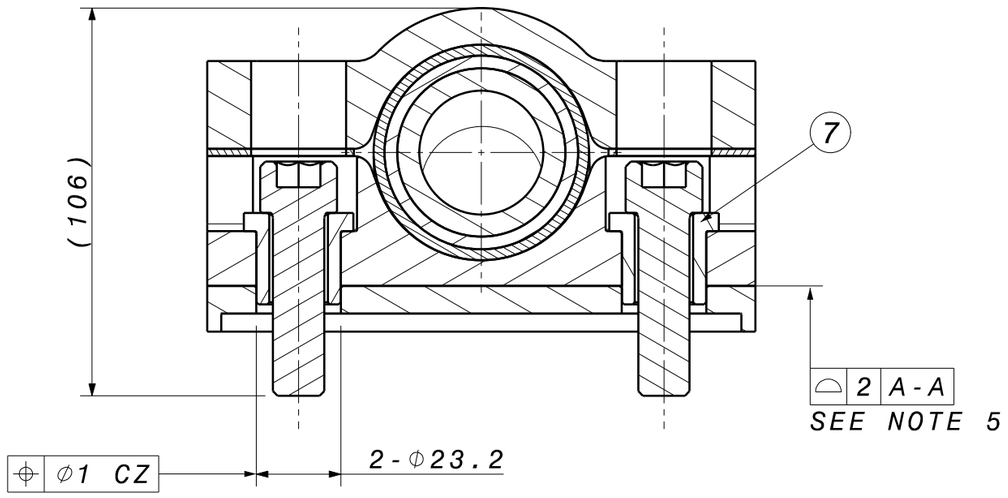
ASIPP
Applied Superconducting Engineering and Technology Division



Front view



Isometric view



Section view A-A

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.LOWER BRACKET AND CLAMP SURFACES COMBINED ZONE USED TO CREATE REF A (EXCEPT JOINT AREA AND WELDED PARTS),SEE SHEET NUMBER SCC/IED05.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
7	SCC/IED05.01.05	ELM_SLEEVE_JOINT#YED9CR	2	Inconel 718	0.11
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X30 #YT3ZH3	4	Inconel 718	0.132
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X50 #XTVKQ8	2	Inconel 718	0.19
4	SCC/IED05.01.04	SHIM_BRACKET_JOINT_UF#2CQJ4J	1	Inconel 718	0.843
3	SCC/IED05.01.03	BRACKET_JOINT_UF_SHIM_01	2	316L	0.08
2	SCC/IED05.01.02	LOWER_BRACKET_JOINT_UF#SG5M99	1	Inconel 625	2.063
1	SCC/IED05.01.01	UPPER_BRACKET_JOINT_UF#SG5MB2	1	Inconel 625	1.371

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_BRACKET_JOINT_UF#WP#Y7L63H

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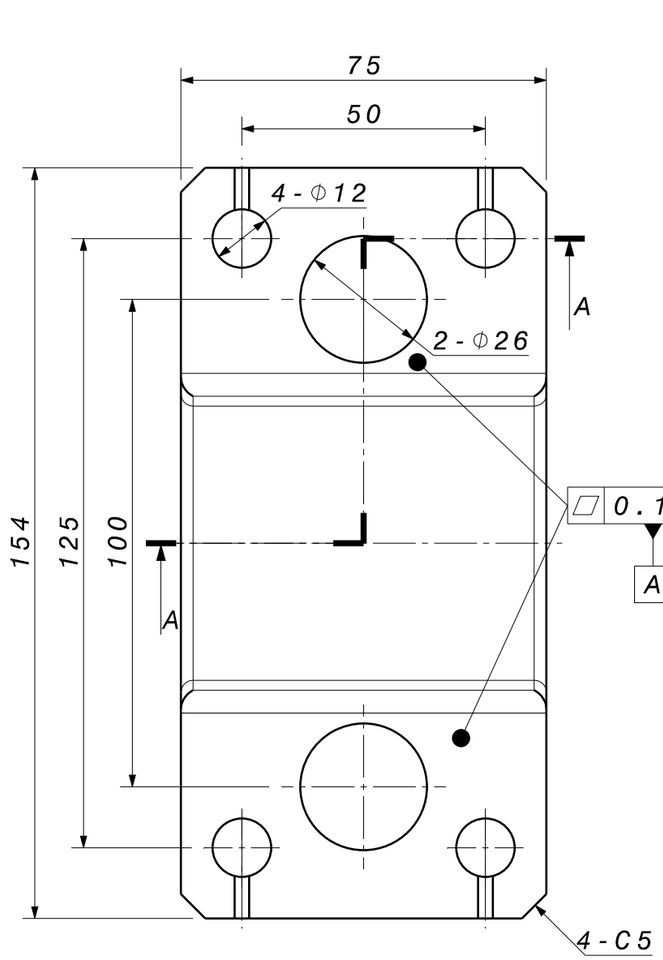
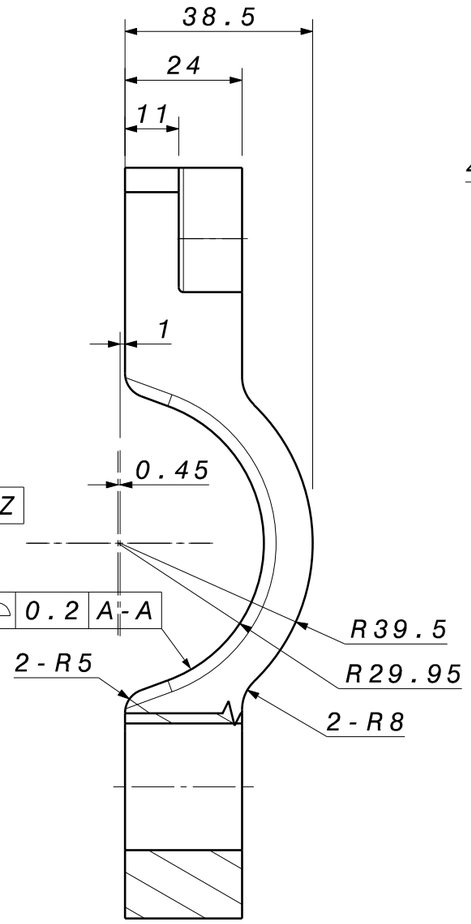
MATERIAL: /

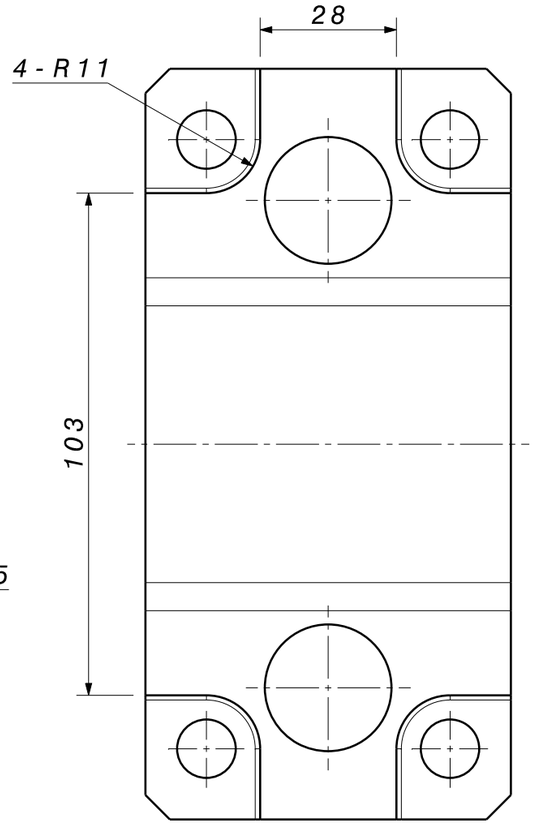
SHEET NUMBER	QUANTITY	NO.OF SHTS	SHEET	TIME	REVISION
SCC/IED05.01	2	2	74	05-06-2025	V1.3



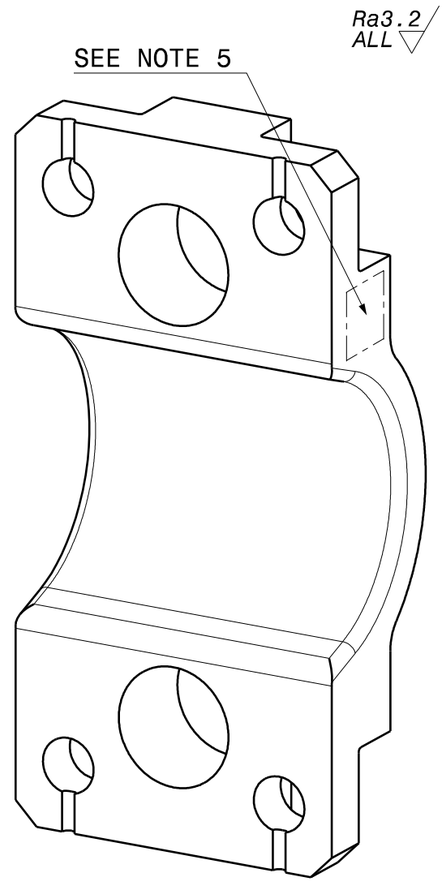
Left view



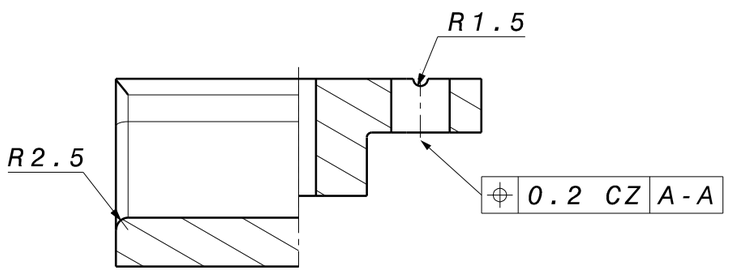
Front view



Right view



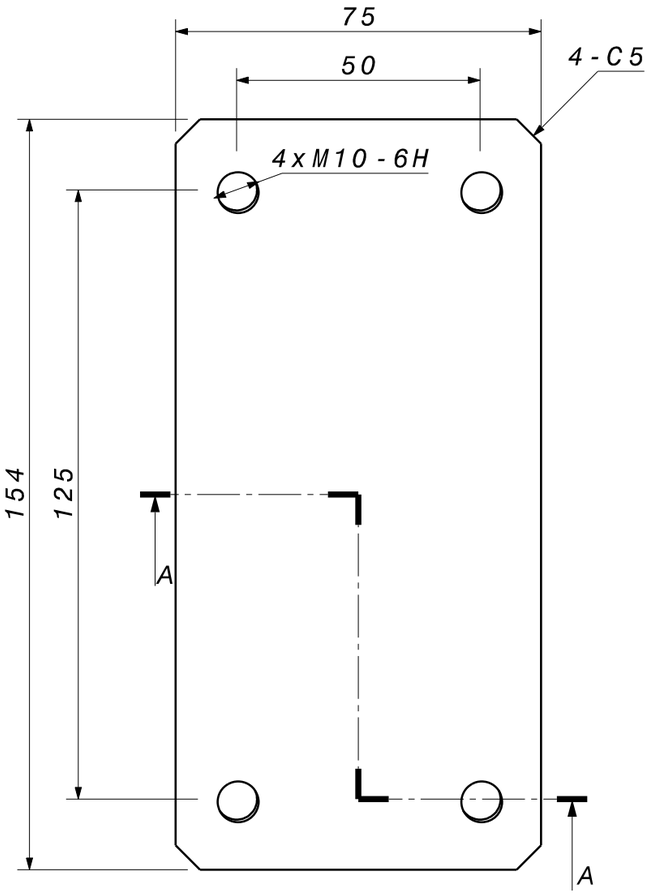
Isometric view



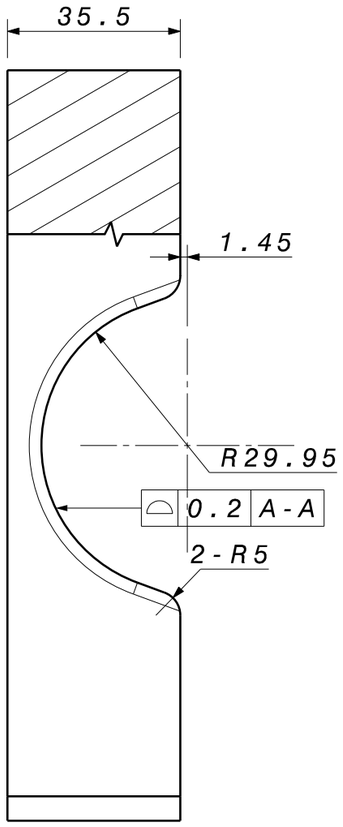
Section view A-A

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

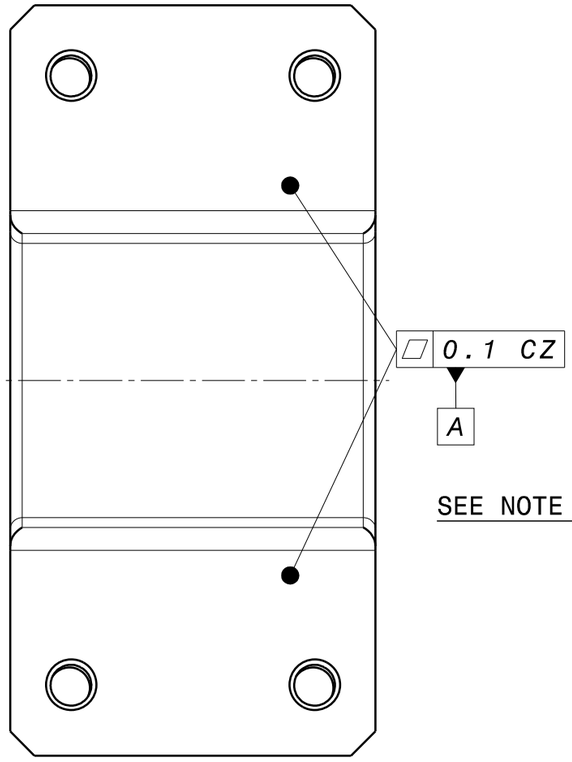
RELEASED BY Liangliang GENG	PROJECT NAME CONFIDENTIAL UNLESS AUTHORISED The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP	
APPROVED BY Yu WU							
REVIEWED BY Houxiang HAN						*Applied Superconducting Engineering and Technology Division*	
REPONSIBLE ENGINEER Jing JIN	WHERE TO BE USED UPPER_VS_FEEDER_FOAK						
DESIGNER Zhiyu WANG	DRAWING NAME UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE 420x297 / SCALE /	SHEET NAME UPPER_BRACKET_JOINT_UF#SG5MB2				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER SCC/IED05.01.01	QUANTITY 2	NO.OF SHTS 3	SHEET 74	TIME 05-06-2025	REVISION V1.3	



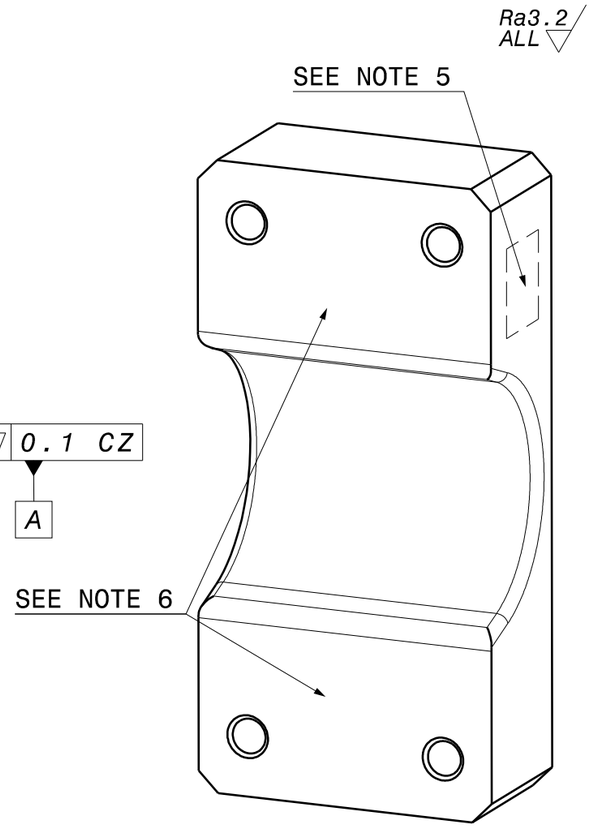
Left view



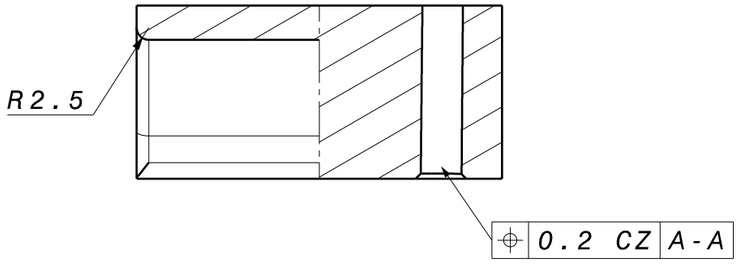
Front view



Right view



Isometric view

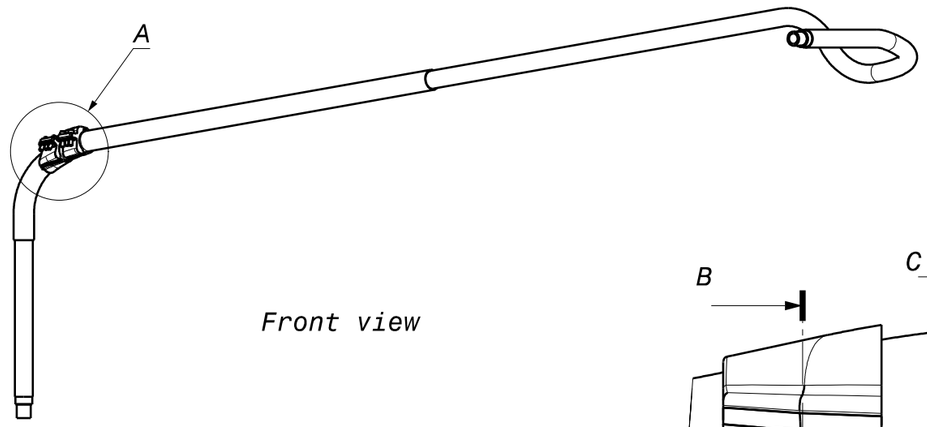


Section view A-A

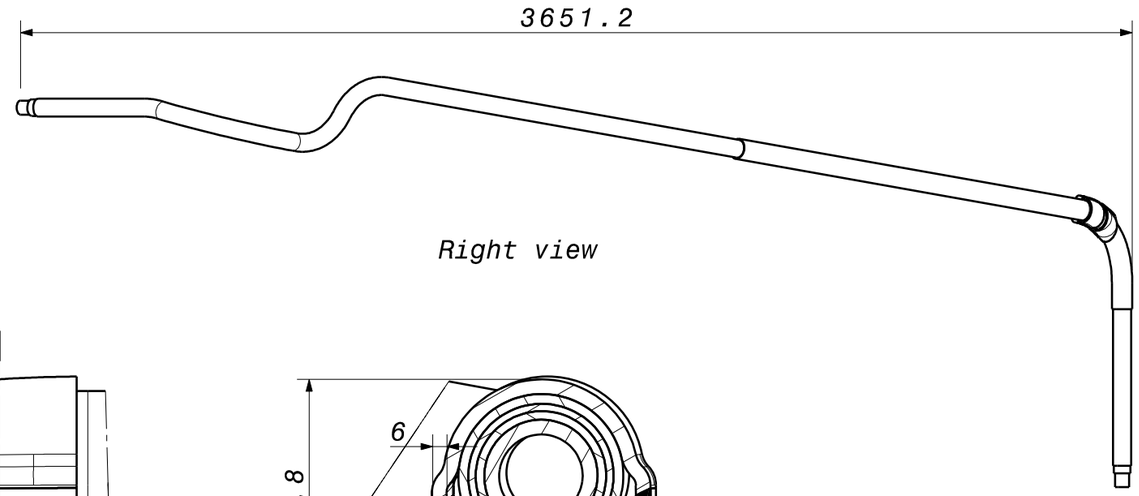
Note:

1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

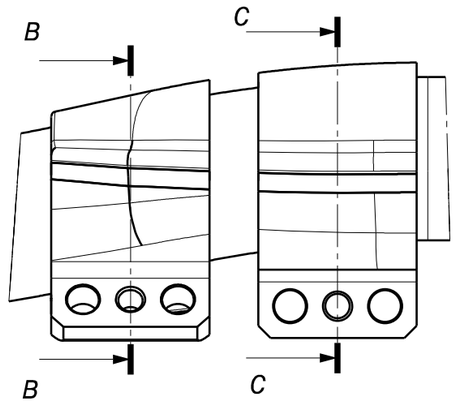
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						*Applied Superconducting Engineering and Technology Division*
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: *420x297* / SCALE: /	SHEET NAME: LOWER_BRACKET_JOINT_UF#SG5M99_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.01.02	QUANTITY: 2	NO.OF SHTS: 4	SHEET: 74	TIME: 05-06-2025	REVISION: *V1.3*	

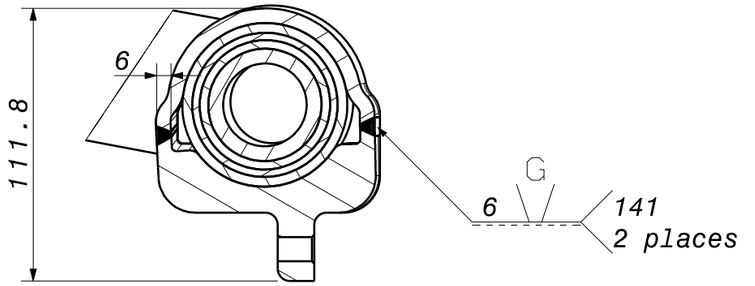


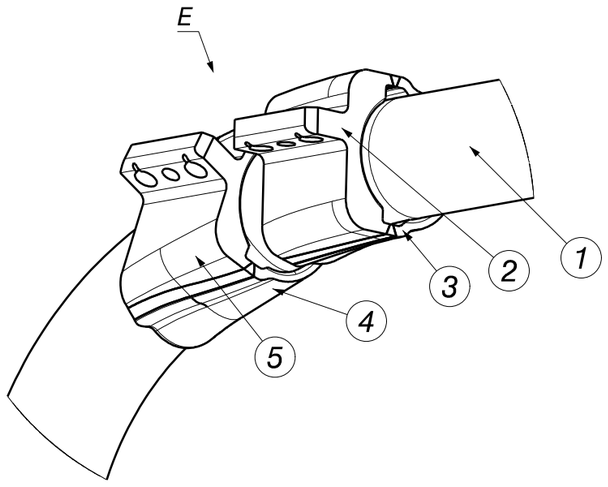
Front view



Right view

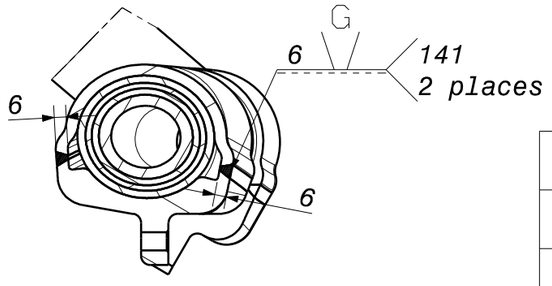






Detail A

Auxiliary view E



Section view B-B

Section view C-C

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
5	SCC/IED05.02.05	LWR_CLAMP_B_BOTTOM_UVF#2BG4XC	1	Inconel 625	0.947
4	SCC/IED05.02.04	UPR_CLAMP_B_BOTTOM_UVF#YT4AKZ	1	Inconel 625	0.512
3	SCC/IED05.02.03	UPR_CLAMP_A_BOTTOM_UVF#YT4AFK	1	Inconel 625	0.447
2	SCC/IED05.02.02	LWR_CLAMP_A_BOTTOM_UVF#2BG4TE	1	Inconel 625	1.125
1	SCC/IED05.02.01	IVC_CONDUCTOR_BOTTOM_UVF#WP#3DMQQE	1	/	85.412

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.DURING WELDING, A LASER TRACKER IS UTILIZED TO ASSIST IN POSITIONING, AND AFTER WELDING, THE INSTALLATION POSITION IS REINSPECTED.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE INNER GROOVE SURFACE, TWO THREAD HOLES AND ONE THROUGH HOLE OF THE BRACKET WILL BE REVERSE-PROCESSED.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED				
APPROVED BY: Yu WU	The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.				
REVIEWED BY: Houxiang HAN					
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK				
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9				
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: IVC_CONDUCTOR_BOTTOM_UVF_ASSY#WP#XTU2A3			MATERIAL: /	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.02	QUANTITY: 1	NO.OF SHTS: 8	SHEET: 74	TIME: 05-06-2025 / REVISION: V1.3

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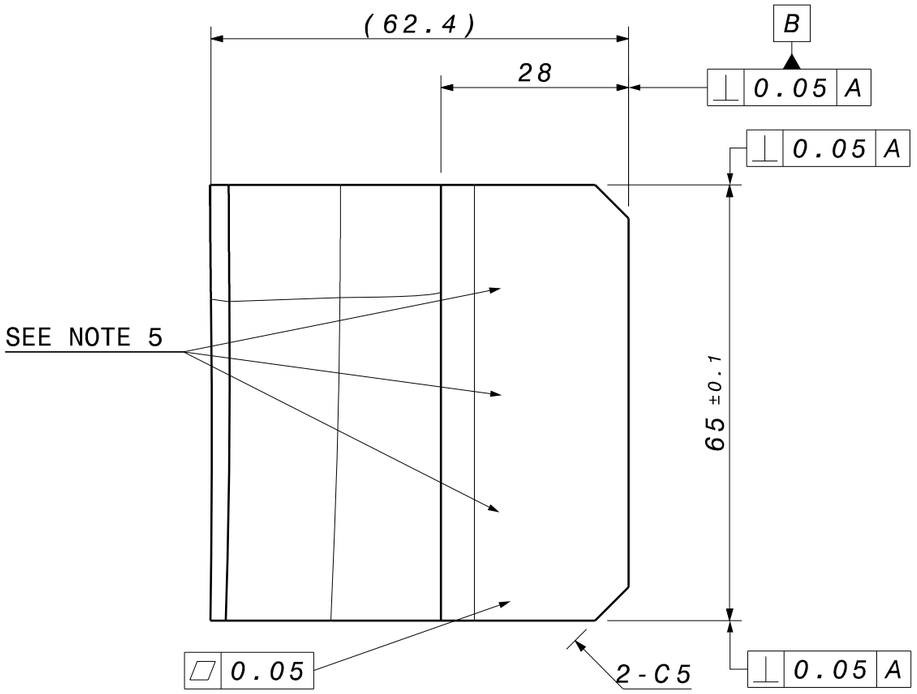
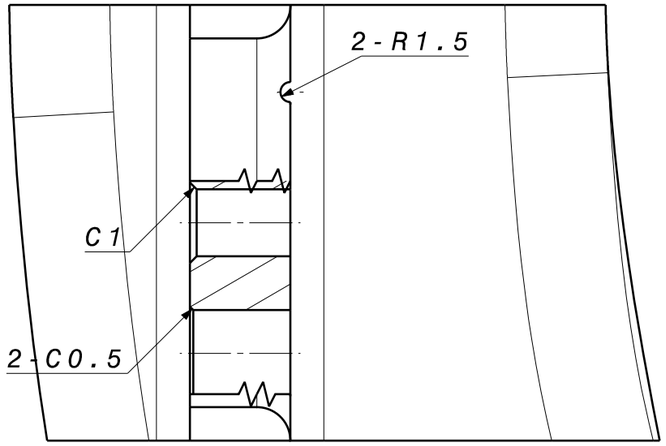
Applied Superconducting Engineering and Technology Division

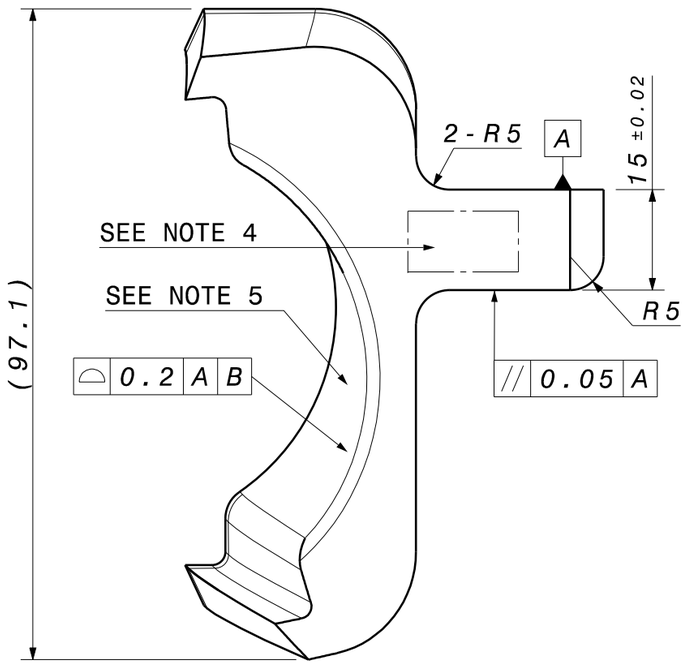


Front view

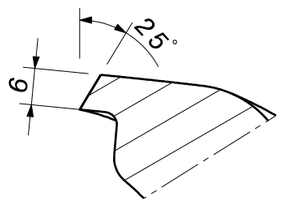


Right view

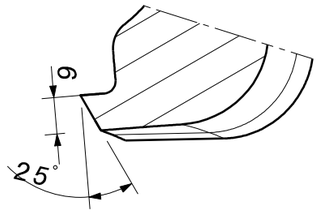
Ra3.2
ALL



Bottom view



Groove View 1

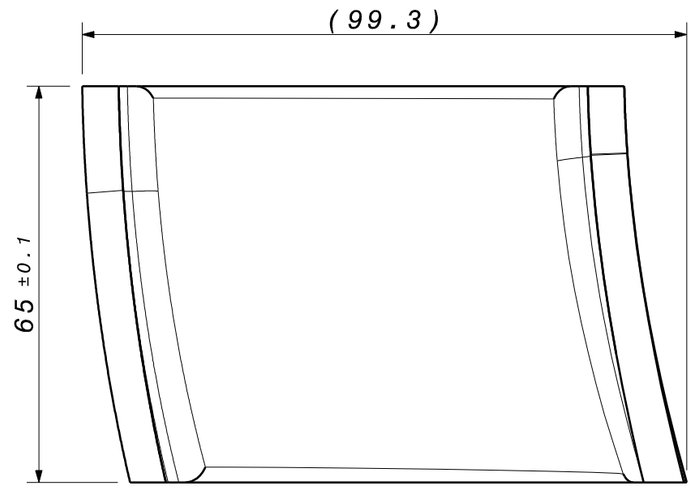


Groove View 2

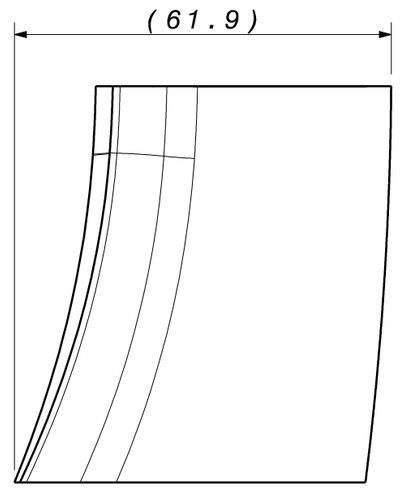
Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							Applied Superconducting Engineering and Technology Division
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LWR_CLAMP_A_BOTTOM__UVF#2BG4TE_PROCESSING_DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.02.02	QUANTITY: 1	NO.OF SHTS: 10	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	

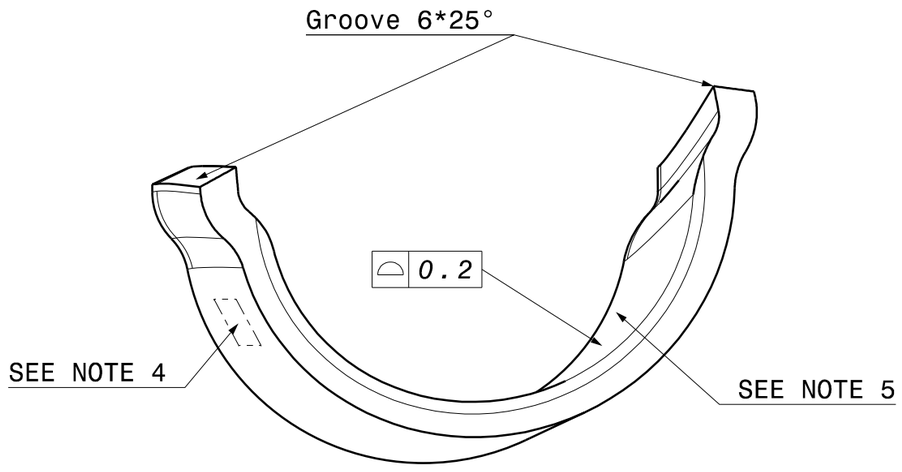
Ra3.2
ALL



Front view



Right view

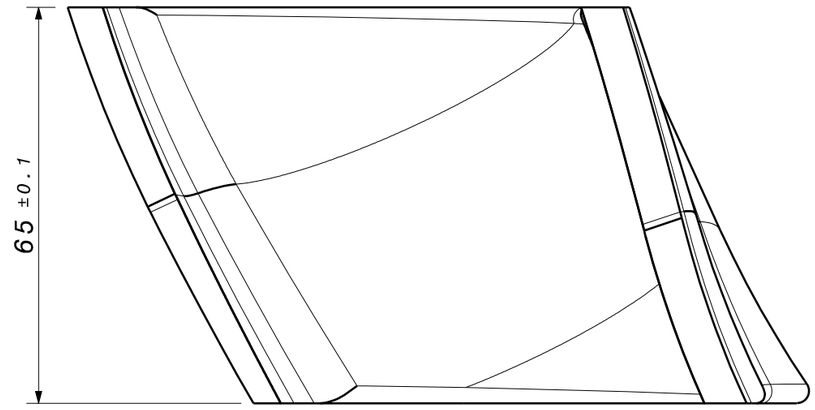


Bottom view

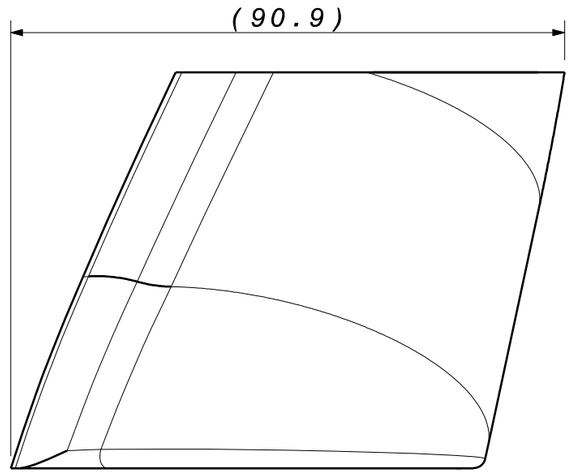
Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.	ASIPP	
APPROVED BY: Yu WU			
REVIEWED BY: Houxiang HAN			
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK	Applied Superconducting Engineering and Technology Division	
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9		
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: CLAMP_A_BOTTOM_UVF#YT4AFK_PROCESSING_DRAWING	MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.02.03	QUANTITY: 1	NO.OF SHTS: 11 / SHEET: 74 / TIME: 05-06-2025 / REVISION: V1.3

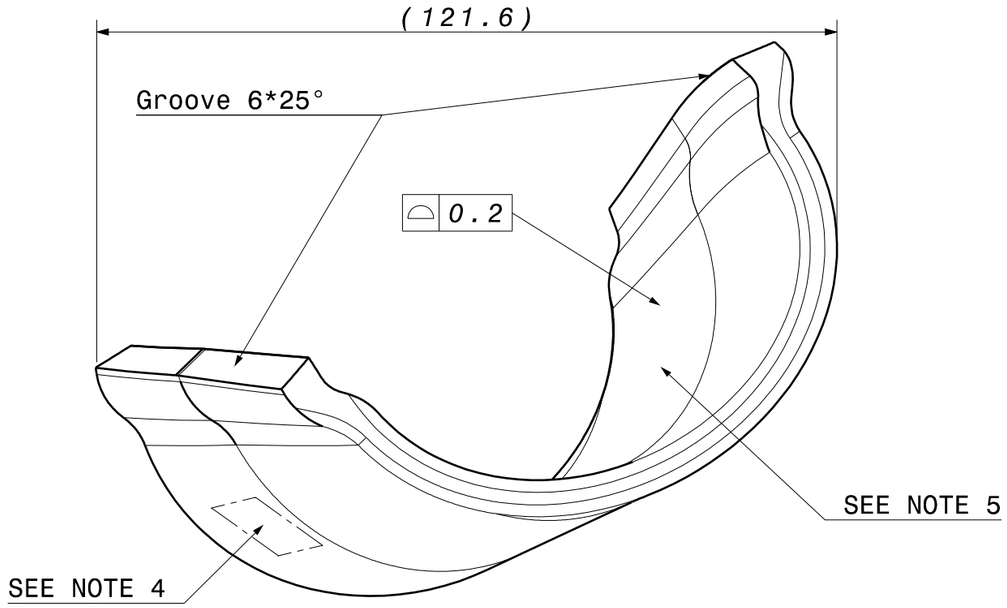
Ra3.2
ALL



Front view



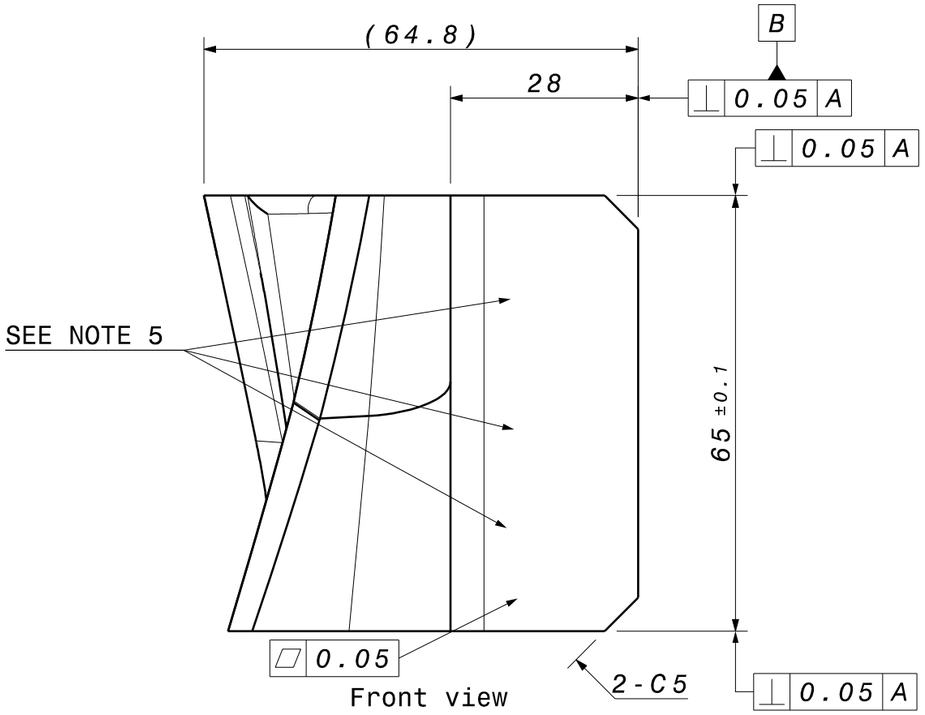
Right view



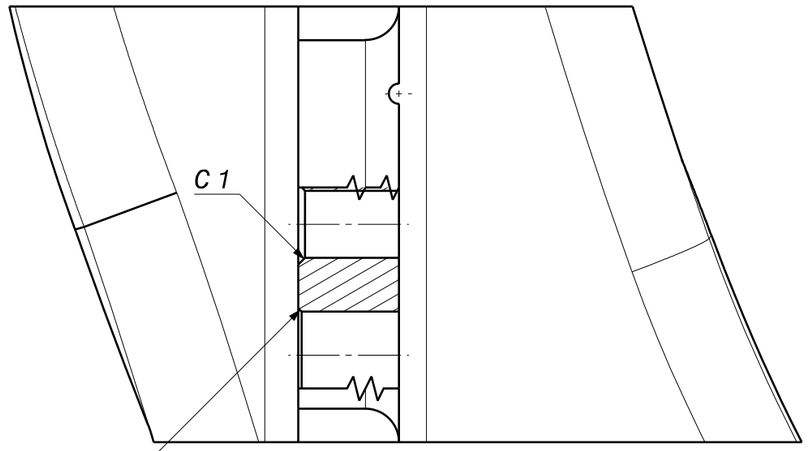
Bottom view

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.				ASIPP	
APPROVED BY: Yu WU						
REVIEWED BY: Houxiang HAN						
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK				Applied Superconducting Engineering and Technology Division	
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9					
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPR_CLAMP_B_BOTTOM_UVF#YT4AKZ_PROCESSING_DRAWING				MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.02.04	QUANTITY: 1	NO.OF SHTS: 12	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3

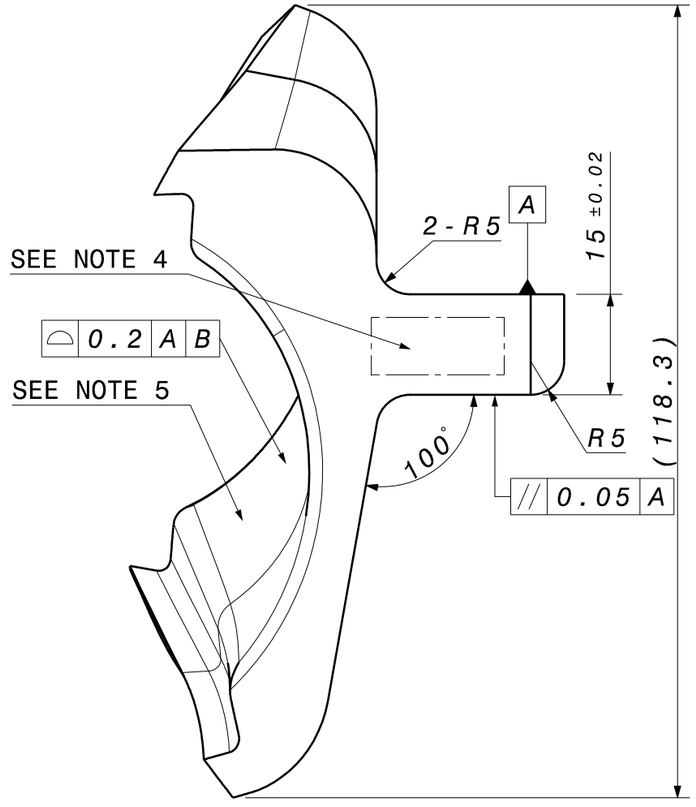


Front view

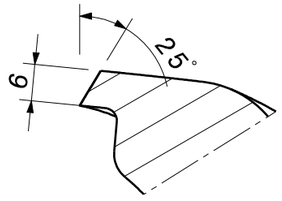


Right view

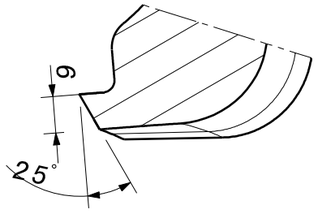
Ra3.2
ALL



Bottom view



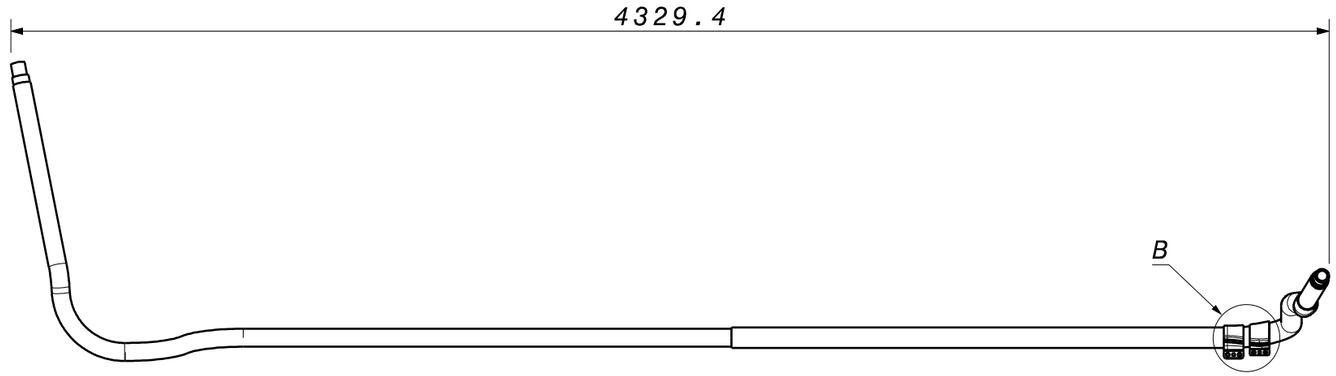
Groove View 1



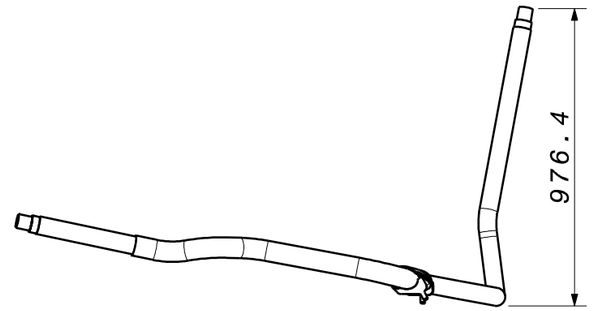
Groove View 2

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5. AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LWR_CLAMP_B_BOTTOM_UVF#2BG4XC_PROCESSING_DRAWING				MATERIAL	Inconel 718	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.02.05	QUANTITY: 1	NO.OF SHTS: 13	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	

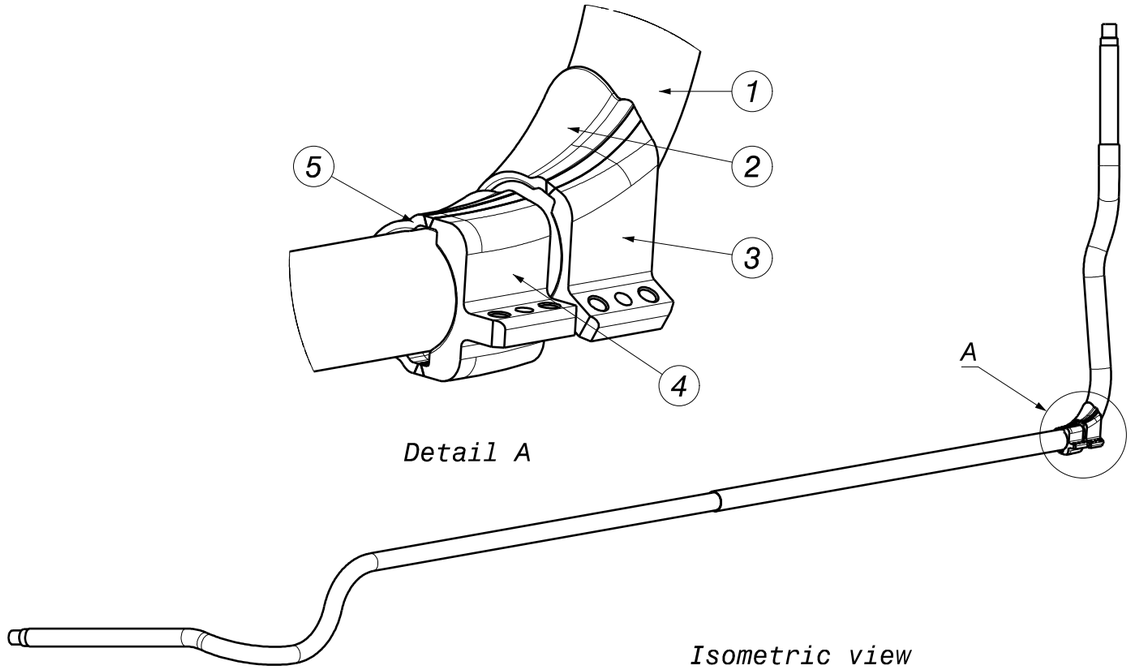


Front view

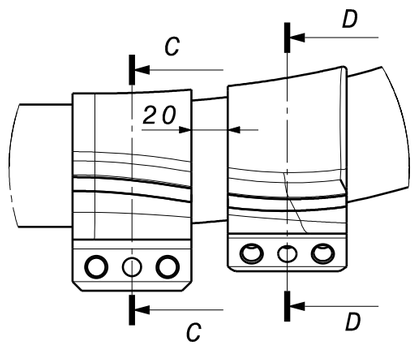


Right view

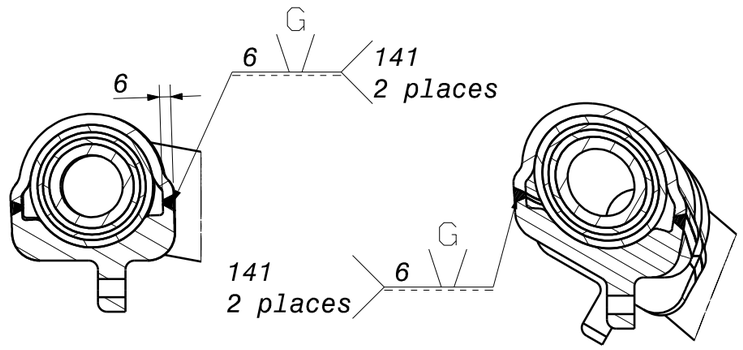
Detail A



Isometric view



Detail B



Section view C-C

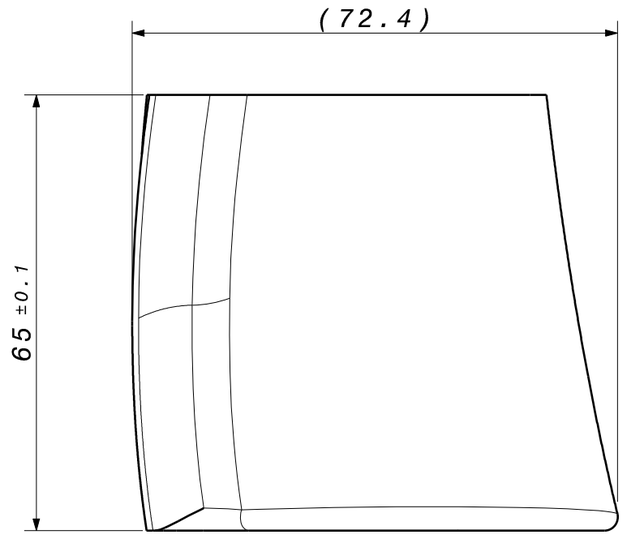
Section view D-D

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
5	SCC/IED05.03.05	UPR_CLAMP_A_TOP_UVF#XC9M4A	1	Inconel 625	0.443
4	SCC/IED05.03.04	LWR_CLAMP_A_TOP_UVF#2BG4R7	1	Inconel 625	1.004
3	SCC/IED05.03.03	LWR_CLAMP_B_TOP_UVF#2BG4VD	1	Inconel 625	1.159
2	SCC/IED05.03.02	UPR_CLAMP_B_TOP_UVF#YT4AHJ	1	Inconel 625	0.546
1	SCC/IED05.03.01	IVC_CONDUCTOR_TOP_UVF#WP#3DMQPV	1	/	95.106

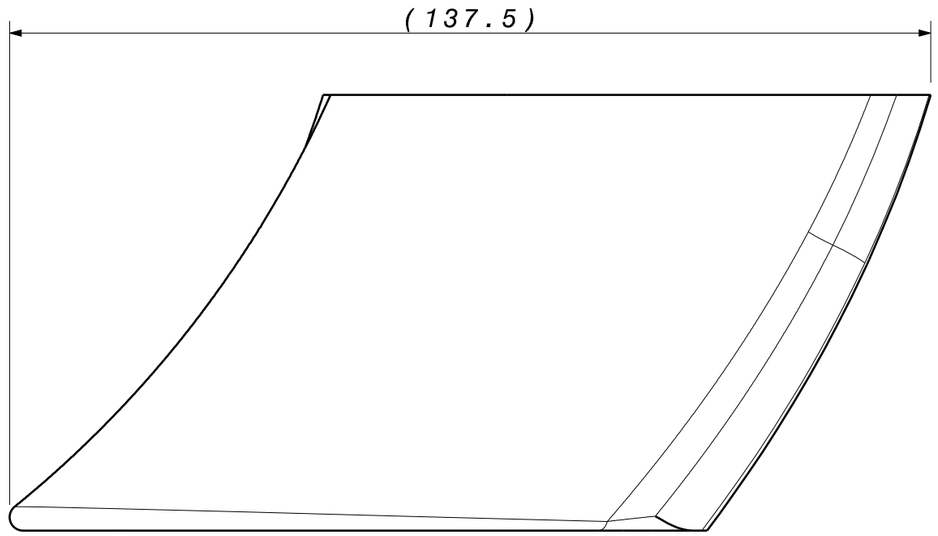
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.DURING WELDING, A LASER TRACKER IS UTILIZED TO ASSIST IN POSITIONING, AND AFTER WELDING, THE INSTALLATION POSITION IS REINSPECTED.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE INNER GROOVE SURFACE, TWO THREAD HOLES AND ONE THROUGH HOLE OF THE BRACKET WILL BE REVERSE-PROCESSED.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP
APPROVED BY: Yu WU						Applied Superconducting Engineering and Technology Division
REVIEWED BY: Houxiang HAN						
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK					
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9					
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: IVC_CONDUCTOR_TOP_UVF_ASSY#WP#XTU29Q			MATERIAL: /		
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.03	QUANTITY: 1	NO.OF SHTS: 14	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3

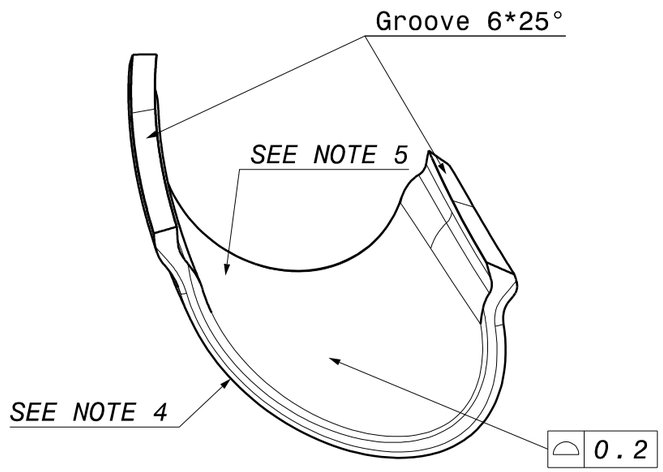
Ra3.2
ALL



Front view



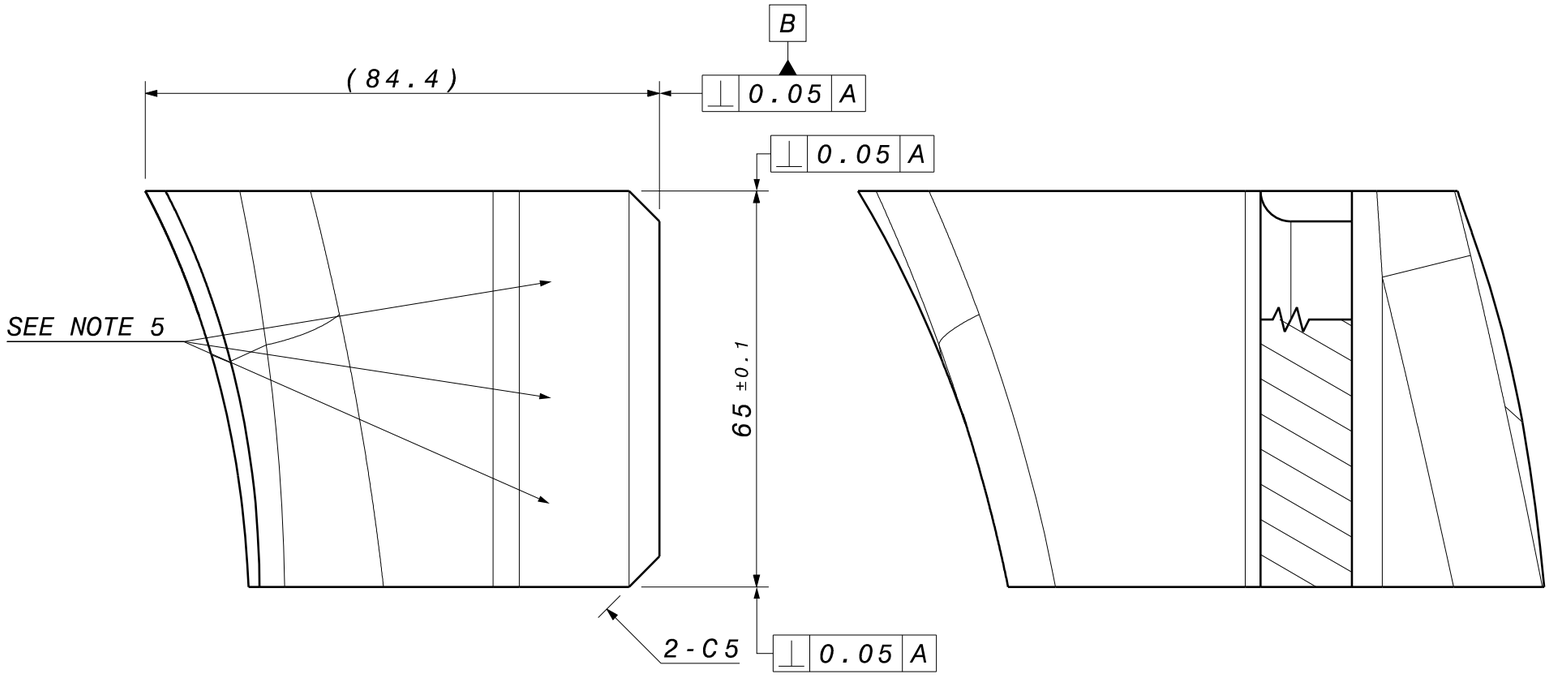
Right view



Isometric view

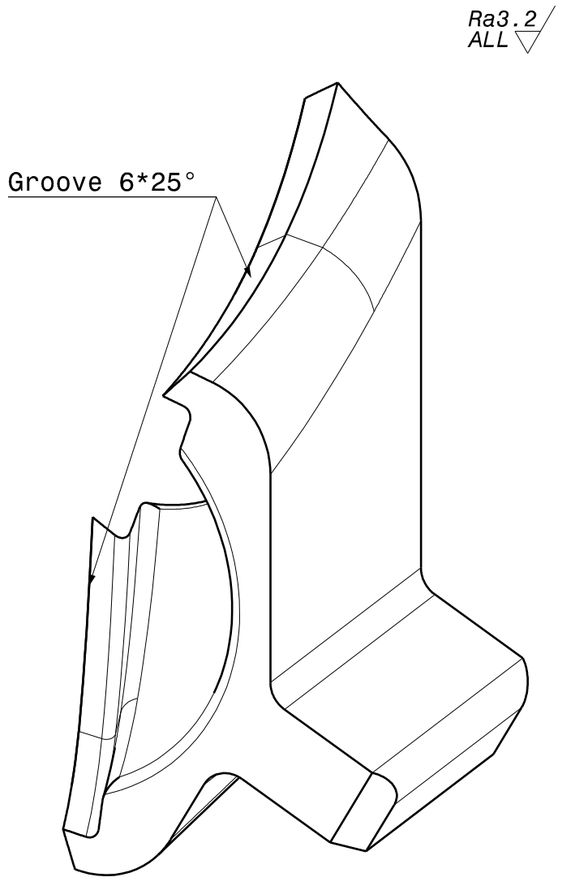
Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPR_CLAMP_B_TOP_UVF#YT4AHJ_PROCESSING DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.03.02	QUANTITY: 1	NO.OF SHTS: 16	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	

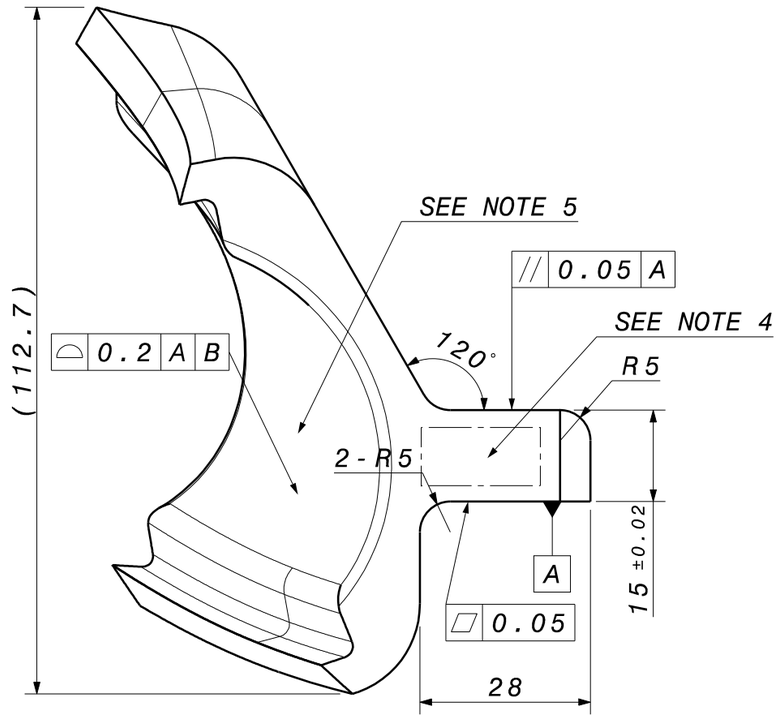


Front view

Right view



Isometric view



Bottom view

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5. AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED.

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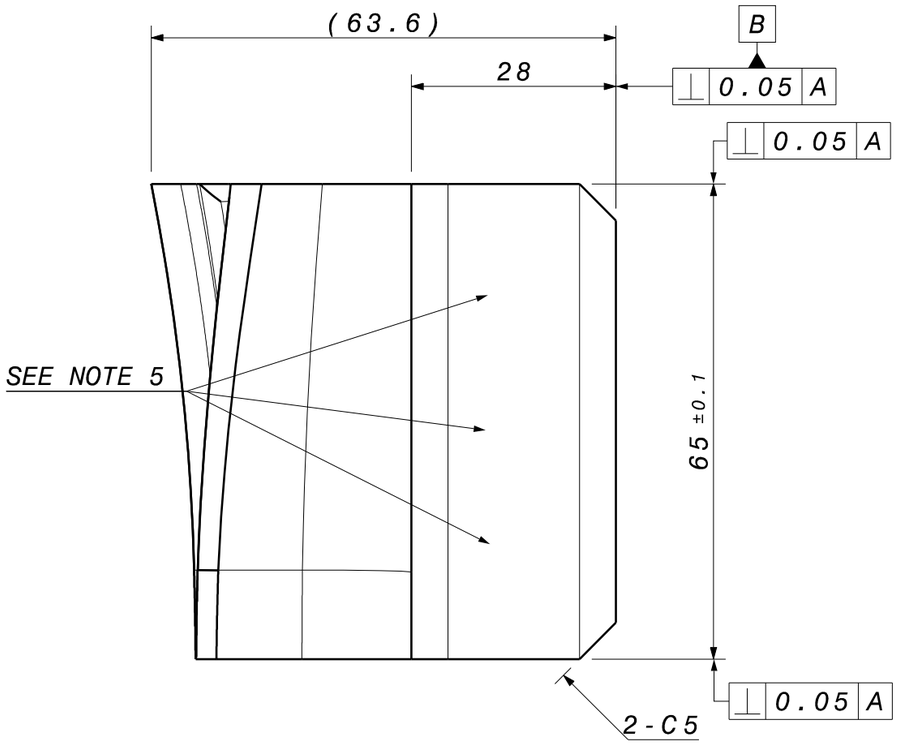
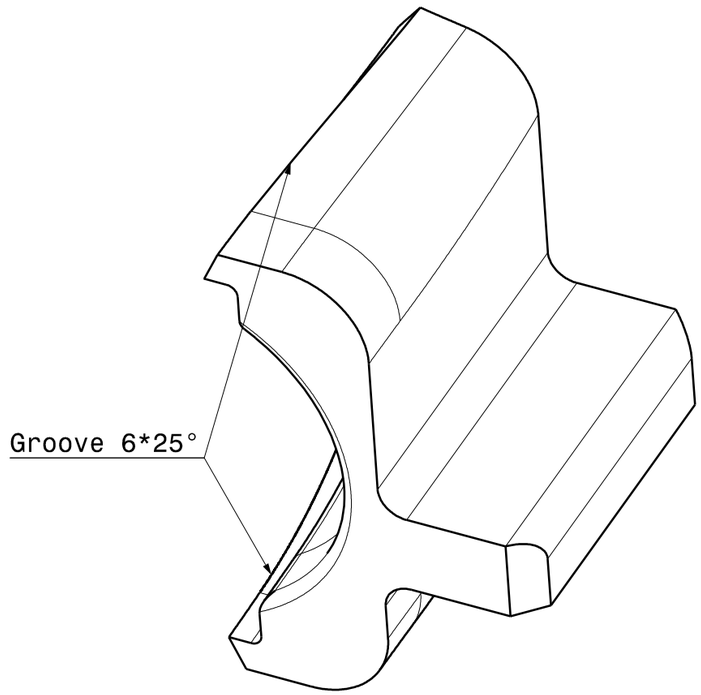
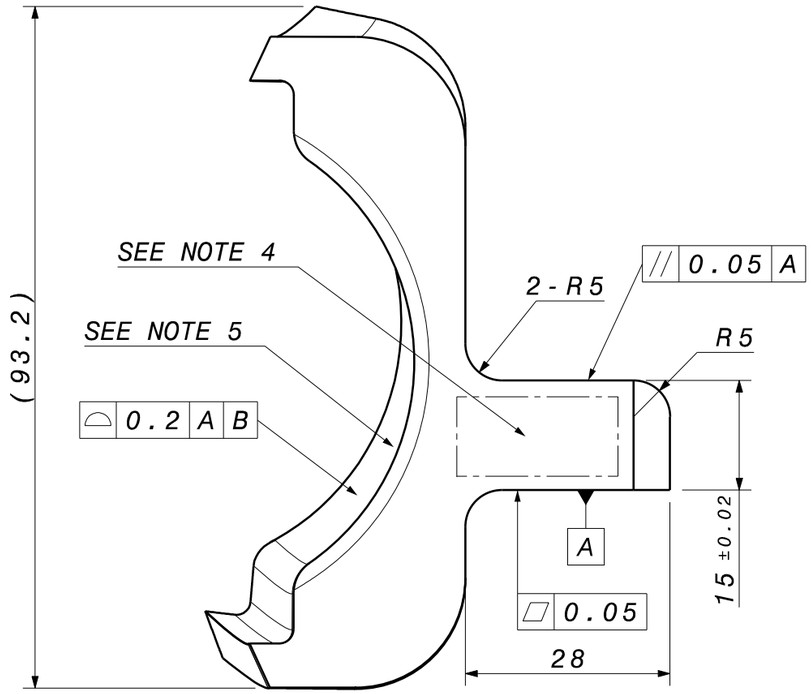
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LWR_CLAMP_B_TOP_UVF#2BG4VD_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.03.03	QUANTITY: 1	NO.OF SHTS: 17	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view



Bottom view

Ra3.2
ALL

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
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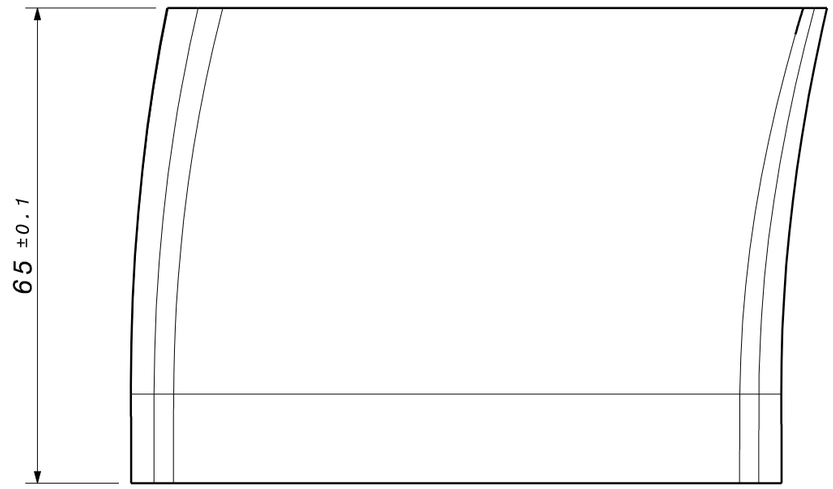
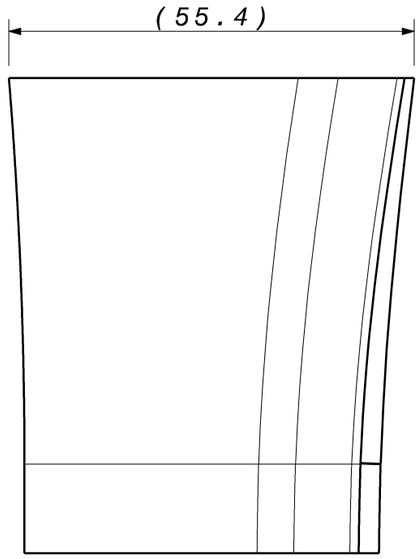
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP	
APPROVED BY: Yu WU						Applied Superconducting Engineering and Technology Division	
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LWR_CLAMP_A_TOP_UVF#2BG4R7_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.03.04	QUANTITY: 1	NO.OF SHTS: 18	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	

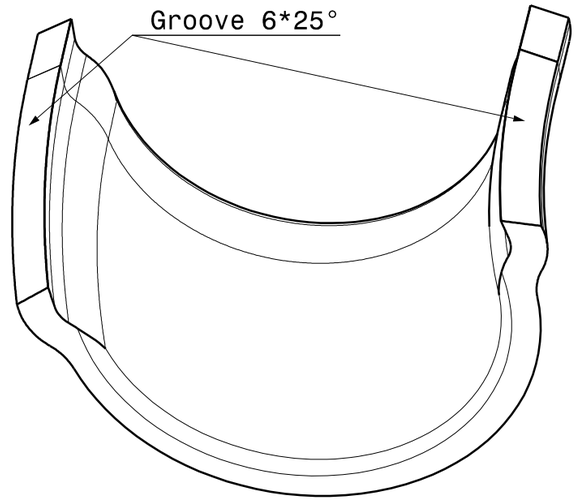
Ra3.2
ALL



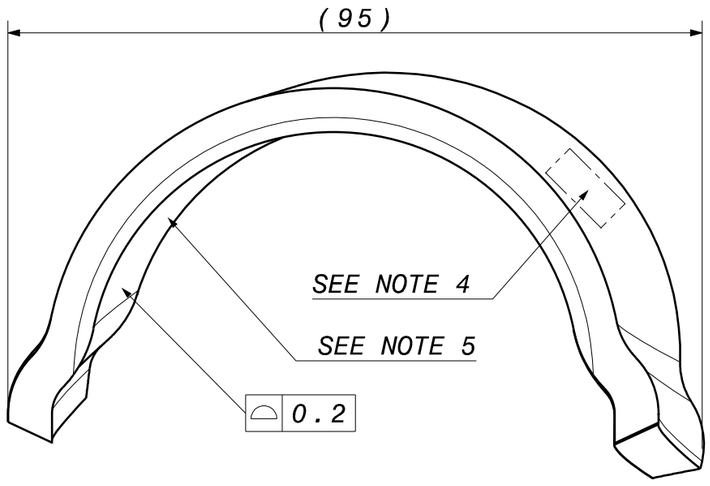
Front view



Right view



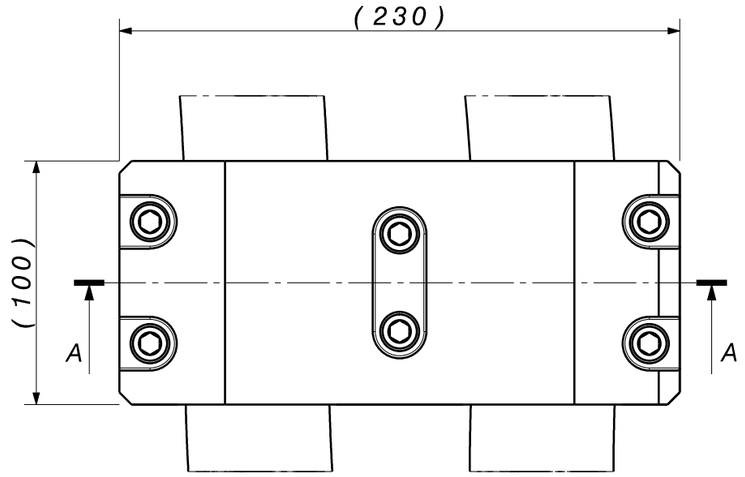
Isometric view



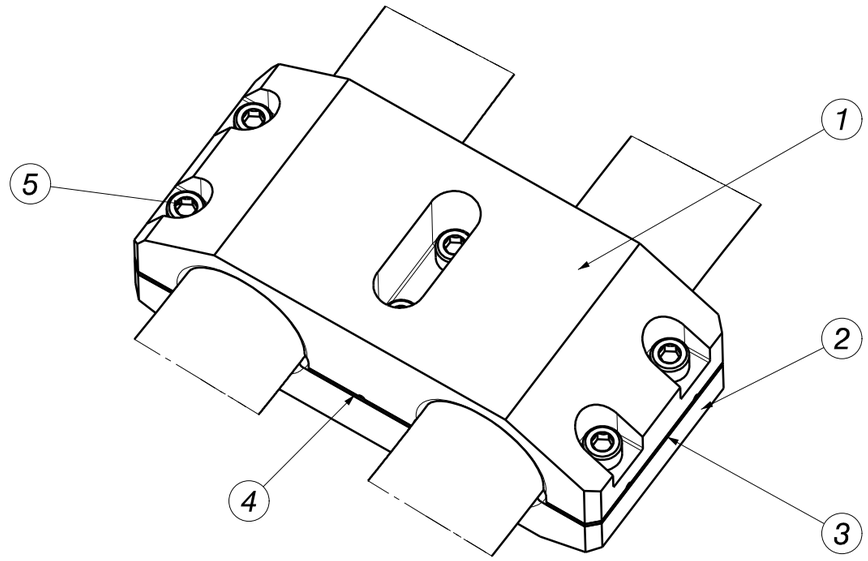
Bottom view

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
4.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
5.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

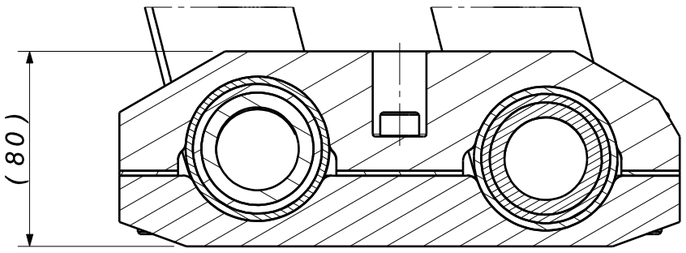
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP
APPROVED BY: Yu WU						
REVIEWED BY: Houxiang HAN						
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK					Applied Superconducting Engineering and Technology Division
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9					
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPR_CLAMP_A_TOP_UVF#XC9M4A_PROCESSING_DRAWING				MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.03.05	QUANTITY: 1	NO.OF SHTS: 19	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3



Front view



Isometric view



Section view A-A

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	6	Inconel 718	0.24
4	SCC/IED05.04.04	CLAMP_01_UVF_SHIM_02	1	316L	0.084
3	SCC/IED05.04.03	CLAMP_01_UVF_SHIM_01	2	316L	0.072
2	SCC/IED05.04.02	LOWER_CLAMP_01_UVF#XDZF6X	1	Inconel 625	3.992
1	SCC/IED05.04.01	UPPER_CLAMP_01_UVF#XDZF8W	1	Inconel 625	4.627

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

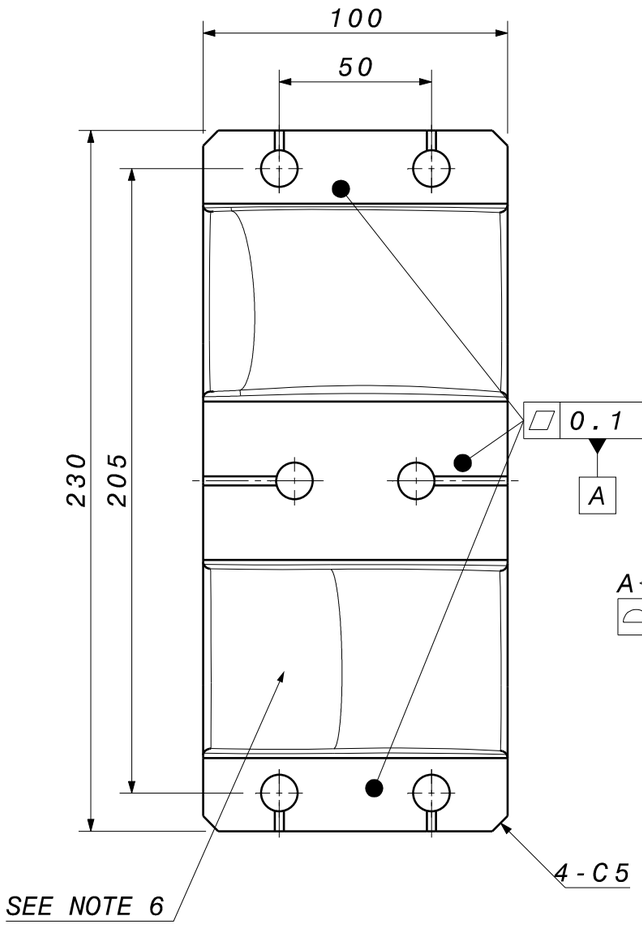
PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_CLAMP_01_UVF#WP#XDZFAV

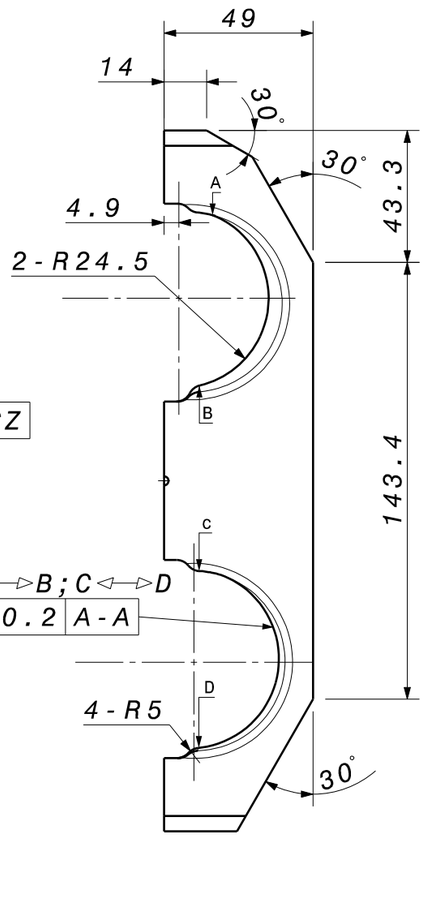
ASIPP
Applied Superconducting Engineering and Technology Division

MATERIAL: /

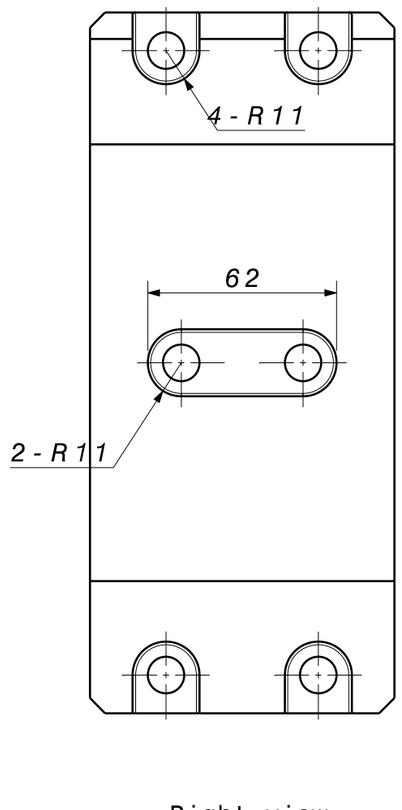
SHEET NUMBER	QUANTITY	NO.OF SHTS	SHEET	TIME	REVISION
SCC/IED05.04	1	20	74	05-06-2025	V1.3



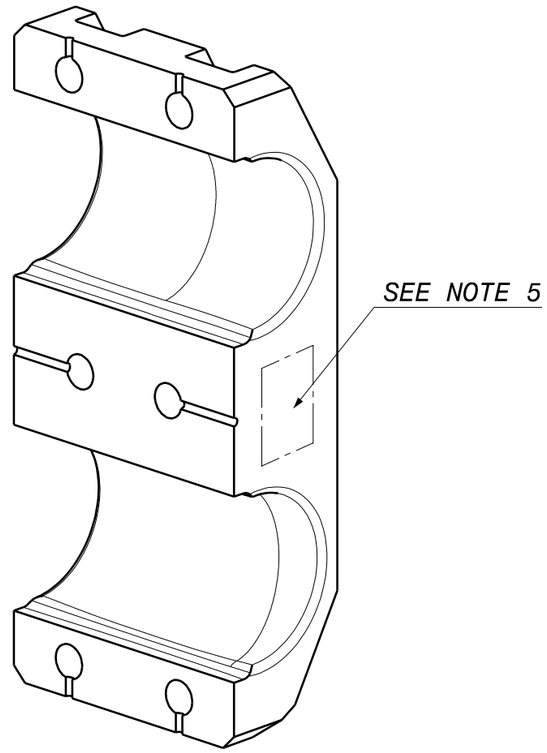
Left view



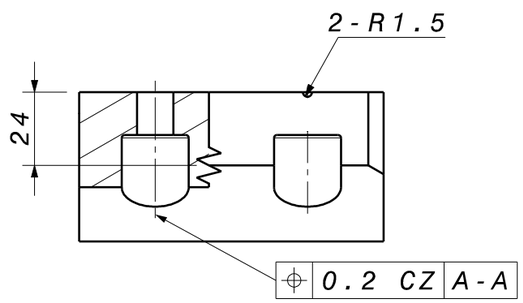
Front view



Right view



Isometric view

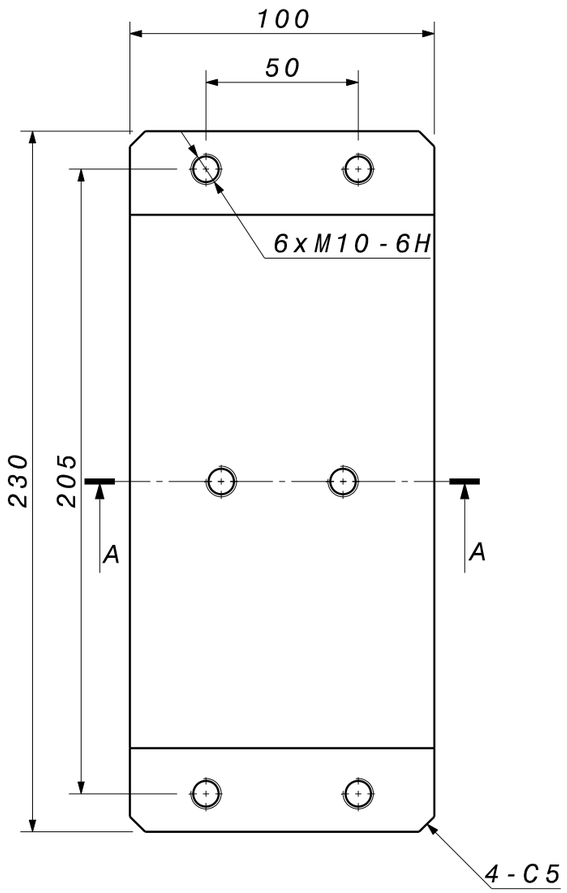


Auxiliary view B

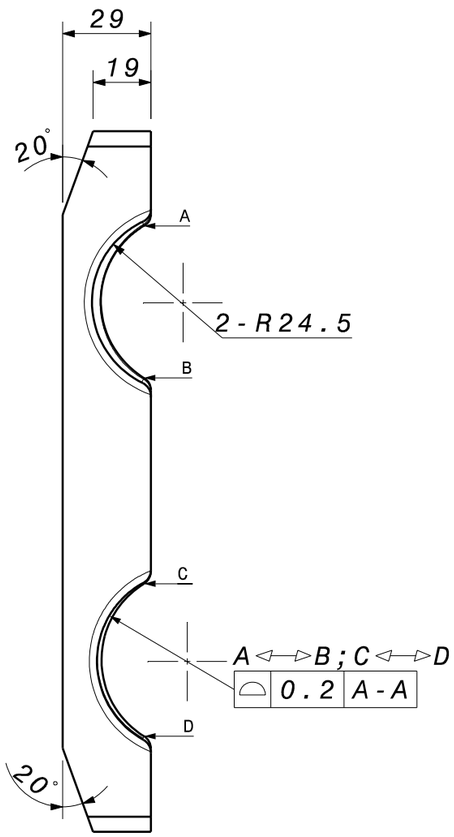
Ra3.2
ALL

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE INNER GROOVE SURFACE OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

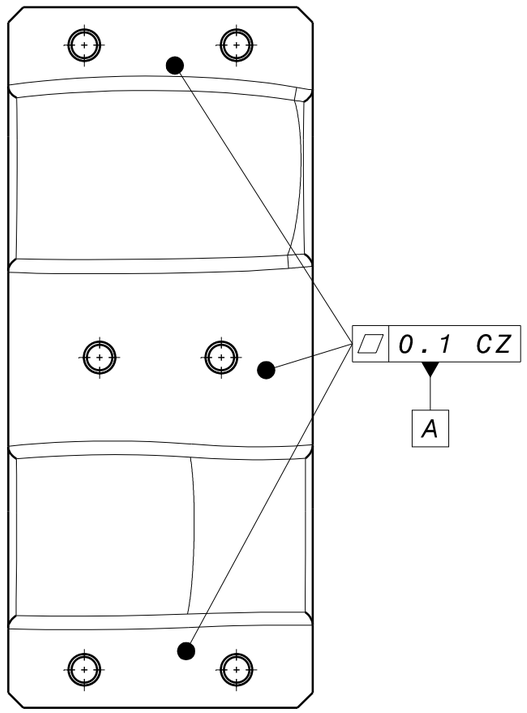
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED	ASIPP					
APPROVED BY: Yu WU	The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK	Applied Superconducting Engineering and Technology Division					
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_CLAMP_01_UVF#XDZF8W_PROCESSING_DRAWING	MATERIAL: Inconel 625					
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.04.01	QUANTITY: 1	NO.OF SHTS: 21	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



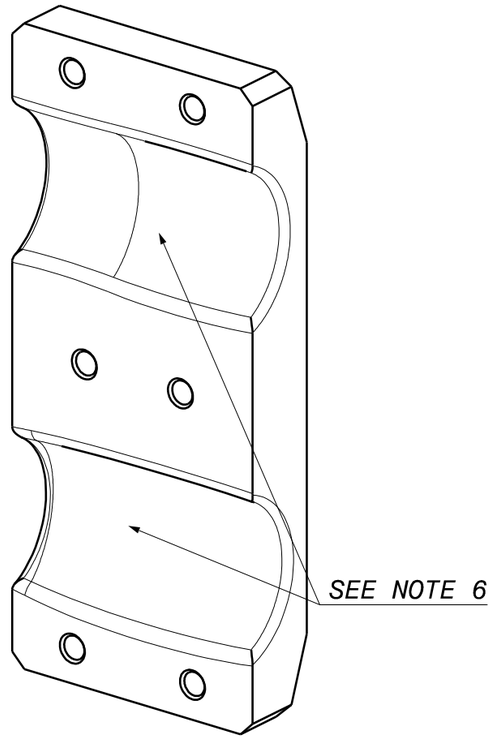
Left view



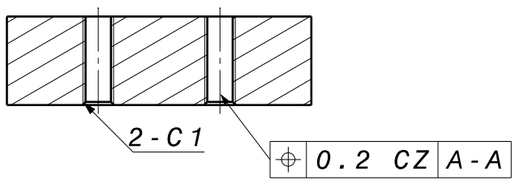
Front view



Right view



Isometric view

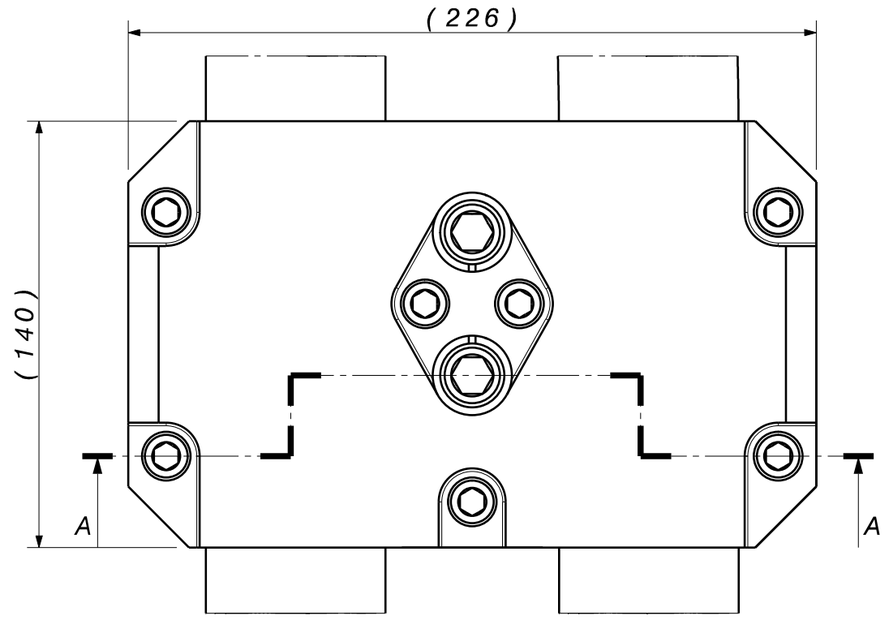


Section view A-A

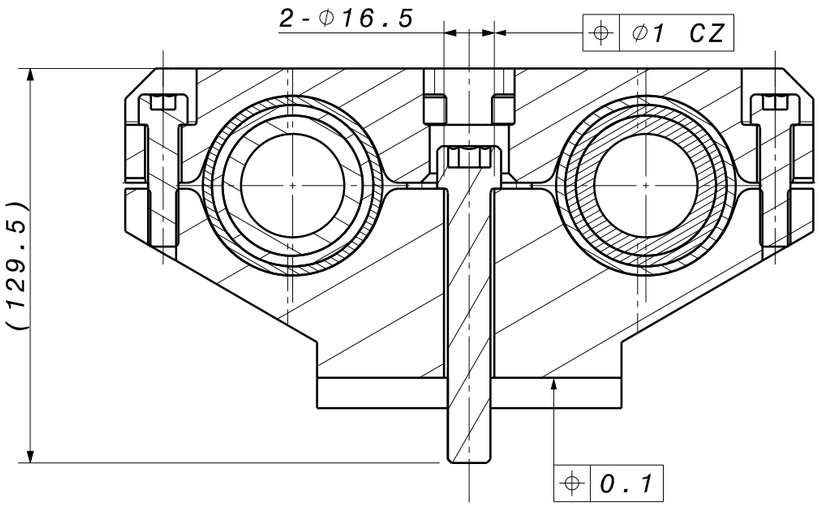
Ra3.2
ALL

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

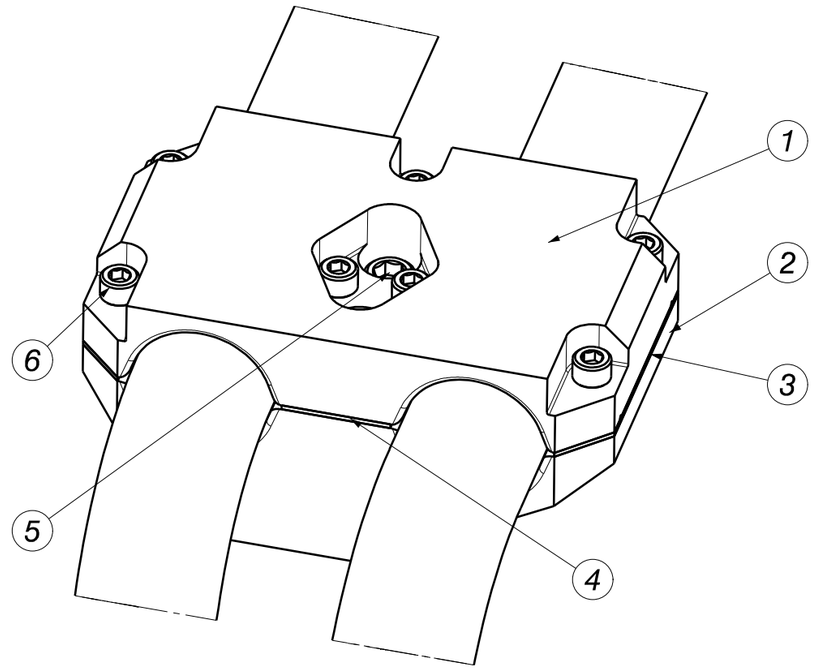
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_CLAMP_01_UVF#XDZF6X_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.04.02	QUANTITY: 1	NO.OF SHTS: 22	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Section view A-A

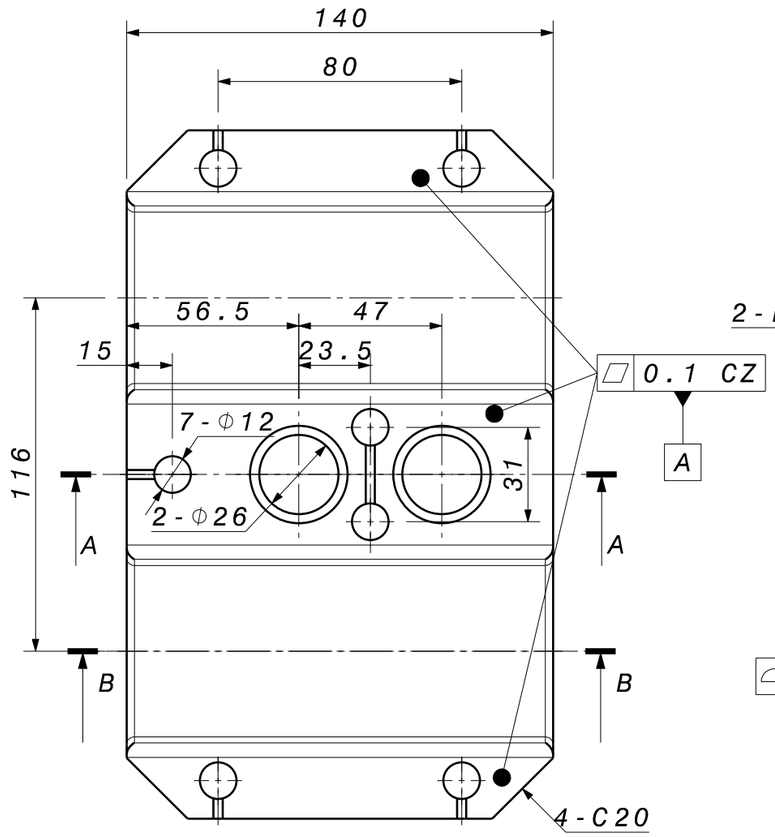


Isometric view

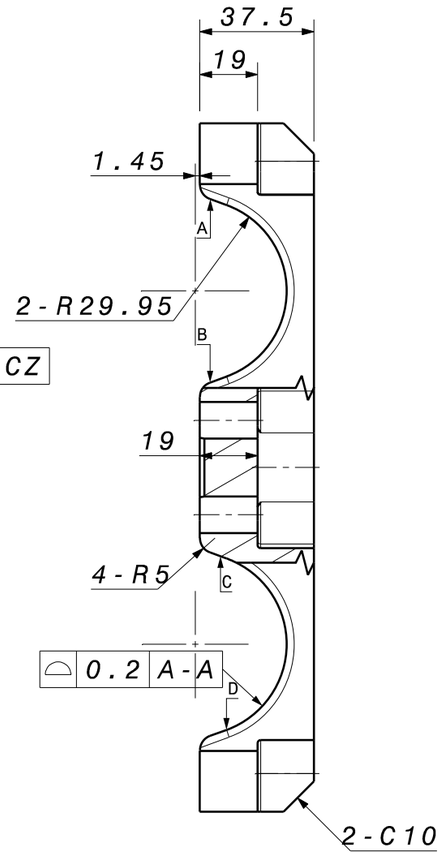
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	7	Inconel 718	0.28
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X90 #YANB2Q	2	Inconel 718	0.292
4	SCC/IED05.05.04	BRACKET_01_UVF_SHIM_02	1	316L	0.086
3	SCC/IED05.05.03	BRACKET_01_UVF_SHIM_01	2	316L	0.74
2	SCC/IED05.05.02	LOWER_BRACKET_01_UVF#SMF63V	1	Inconel 625	8.899
1	SCC/IED05.05.01	UPPER_BRACKET_01_UVF#U2EXQH	1	Inconel 625	5.306

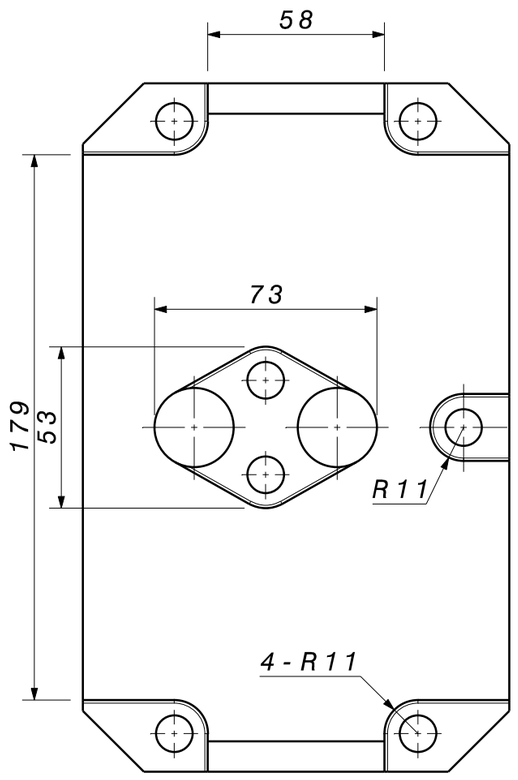
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP
APPROVED BY: Yu WU						
REVIEWED BY: Houxiang HAN						Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK					
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9					
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: IVC_BRACKET_01_UVF#WP#SMF65U				MATERIAL: /	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.05	QUANTITY: 1	NO.OF SHTS: 25	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3



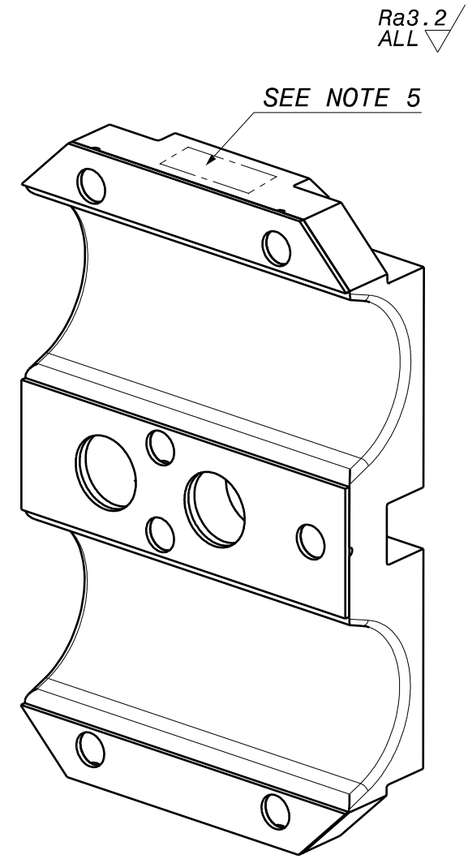
Left view



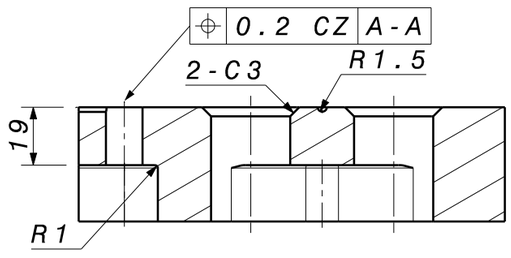
Front view



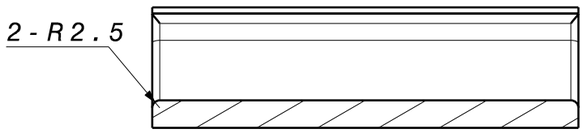
Right view



Isometric view



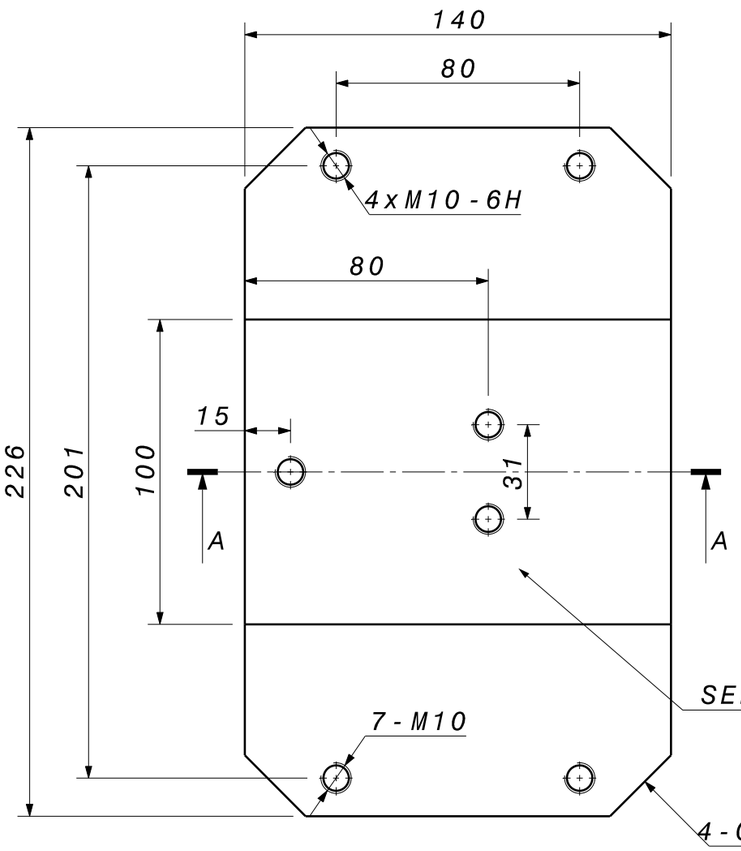
Section view A-A



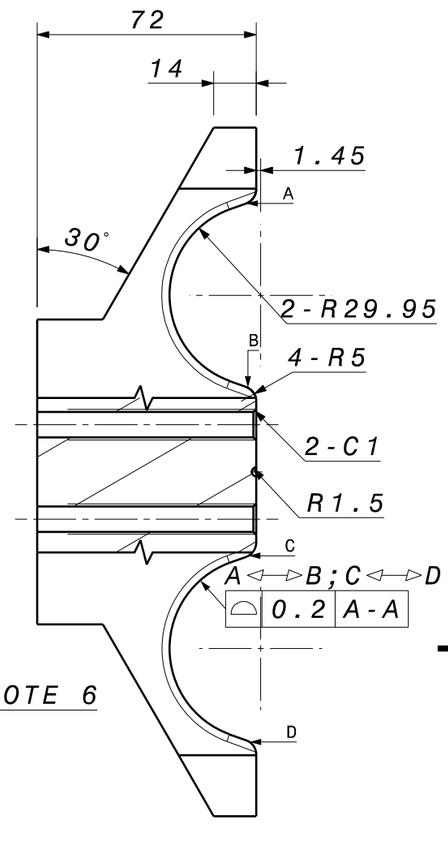
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

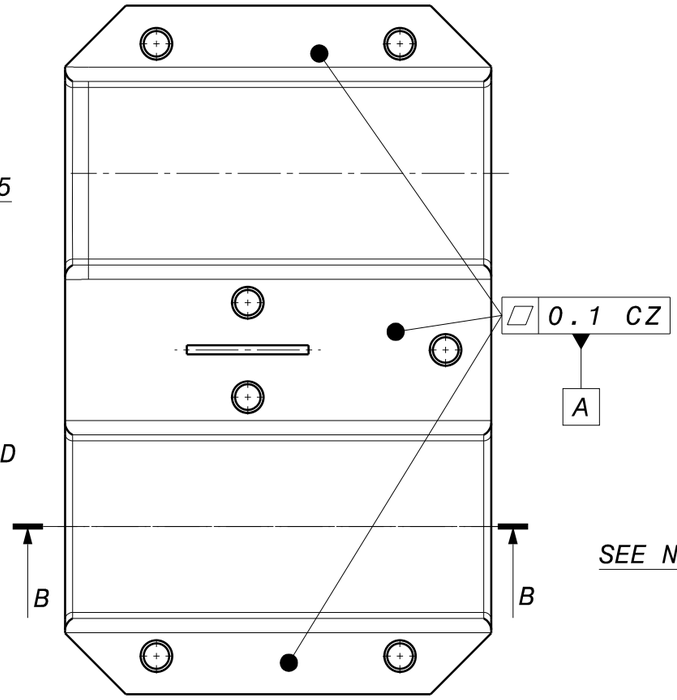
RELEASED BY Liangliang GENG	PROJECT NAME CONFIDENTIAL UNLESS AUTHORISED	ASIPP					
APPROVED BY Yu WU	The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						
REVIEWED BY Houxiang HAN							
REPONSIBLE ENGINEER Jing JIN	WHERE TO BE USED UPPER_VS_FEEDER_FOAK	Applied Superconducting Engineering and Technology Division					
DESIGNER Zhiyu WANG	DRAWING NAME UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE 420x297 / SCALE	SHEET NAME UPPER_BRACKET_01_UVF#U2EXQH	MATERIAL	Inconel 625				
THIRD ANGLE PROJECTION	SHEET NUMBER SCC/IED05.05.01	QUANTITY 1	NO.OF SHTS 26	SHEET 74	TIME 05-06-2025	REVISION V1.3	



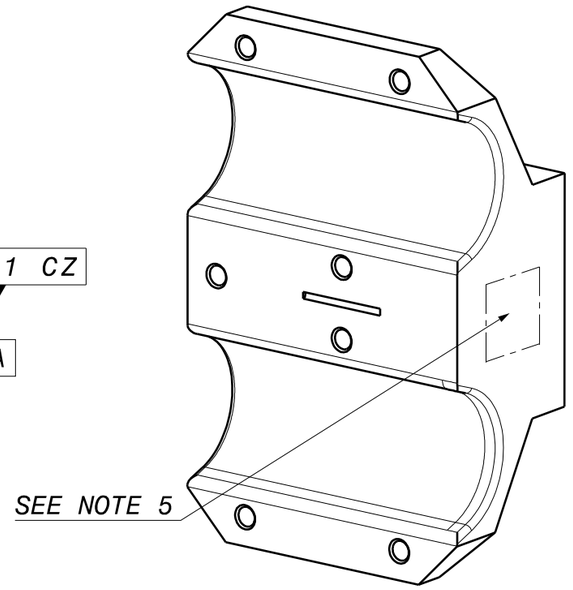
Left view



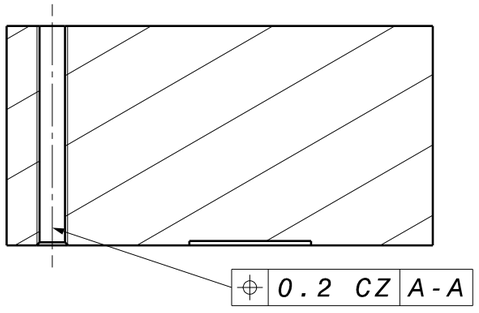
Front view



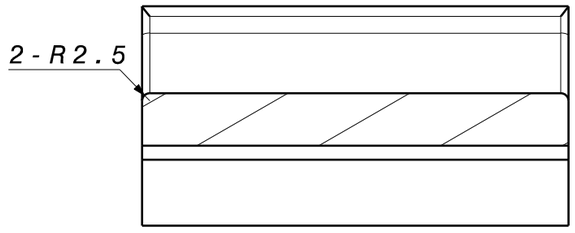
Right view



Isometric view



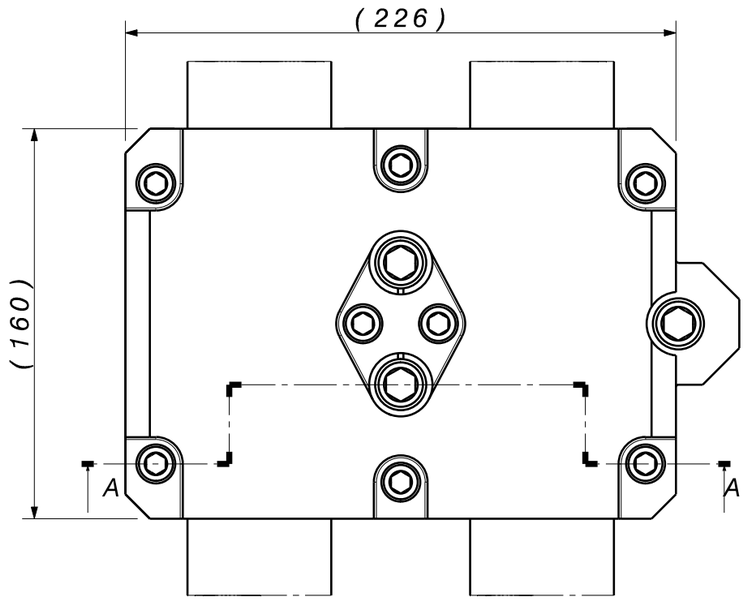
Section view A-A



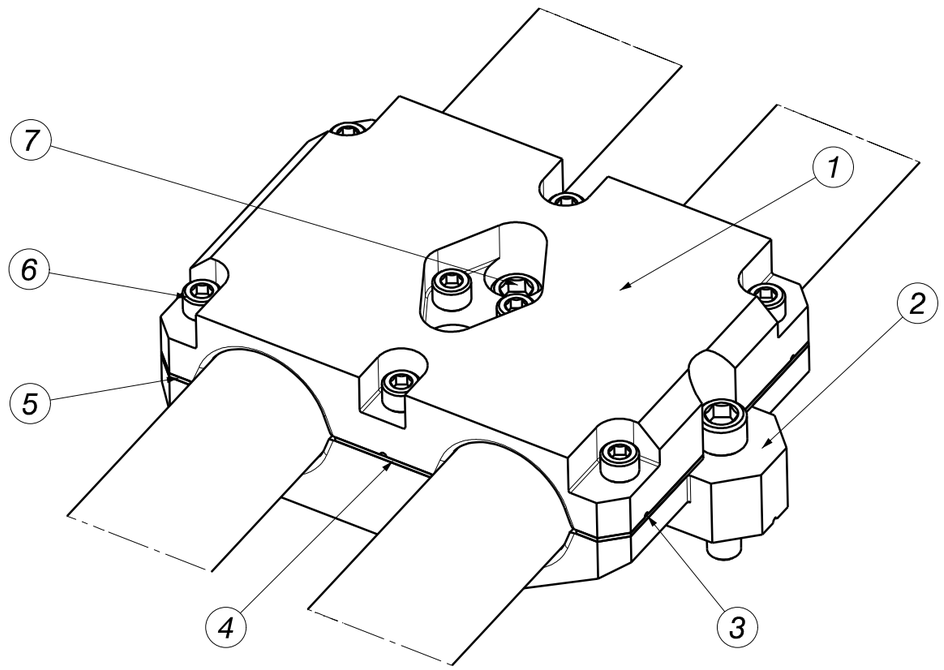
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

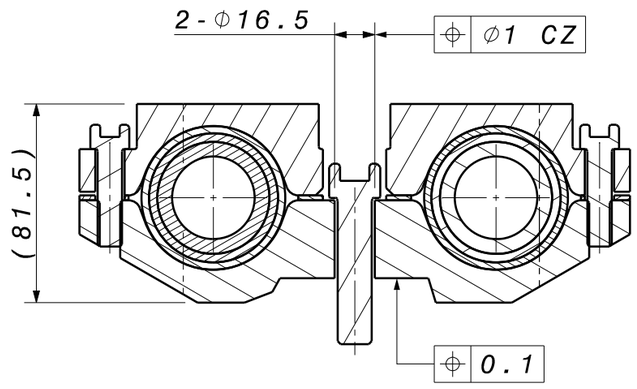
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						*Applied Superconducting Engineering and Technology Division*
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_01_UVF#SMF63V_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.05.02	QUANTITY: 1	NO.OF SHTS: 27	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view



Section cut A-A

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
7	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X60 #YR37DB	3	Inconel 718	0.324
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	8	Inconel 718	0.32
5	SCC/IED05.06.05	BRACKET_02_UVF_SHIM_03	1	316L	0.049
4	SCC/IED05.06.04	BRACKET_02_UVF_SHIM_02	1	316L	0.1
3	SCC/IED05.06.03	BRACKET_02_UVF_SHIM_01	1	316L	0.045
2	SCC/IED05.06.02	LOWER_BRACKET_02_UVF#XC9L42	1	Inconel 625	6.901
1	SCC/IED05.06.01	UPPER_BRACKET_02_UVF#XC9L65	1	Inconel 625	6.281

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

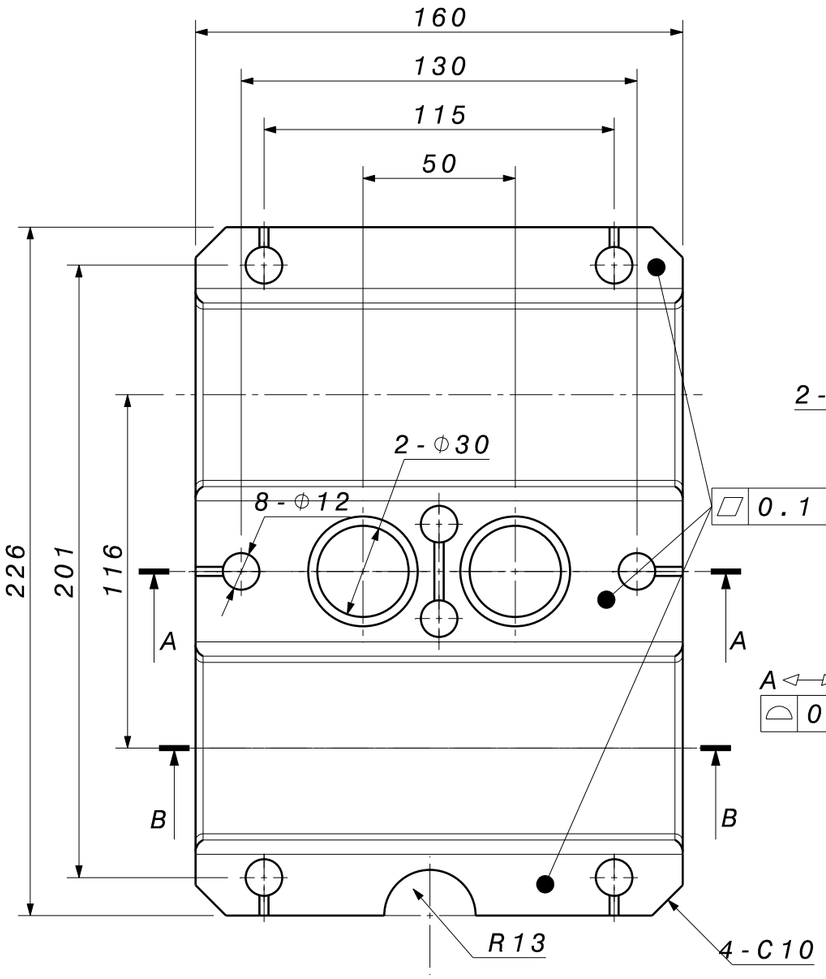
RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

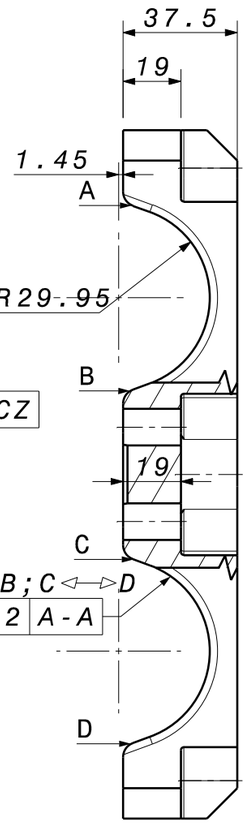
WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_BRACKET_02_UVF#WP#XC9L23
SHEET NUMBER: SCC/IED05.06
QUANTITY: 3
NO.OF SHTS: 30
SHEET: 74
TIME: 05-06-2025
REVISION: V1.3

ASIPP
Applied Superconducting Engineering and Technology Division
MATERIAL: /

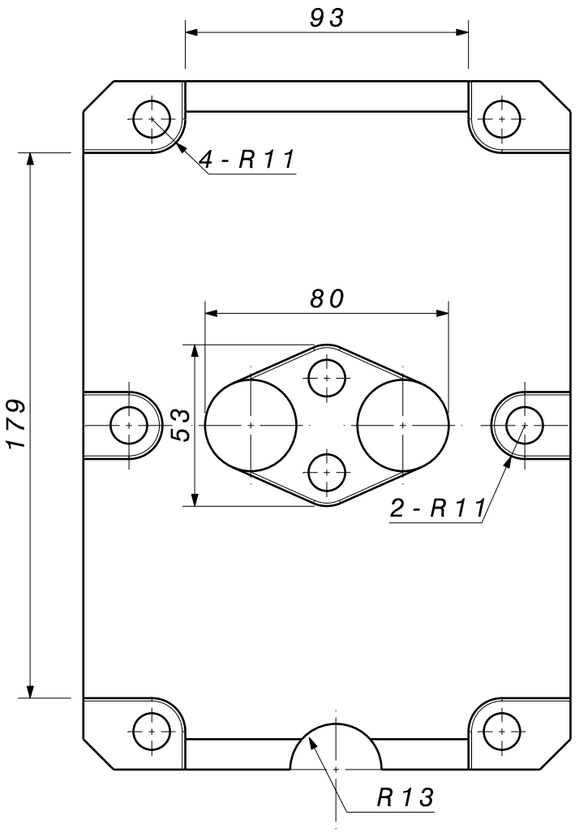
Ra3.2
ALL



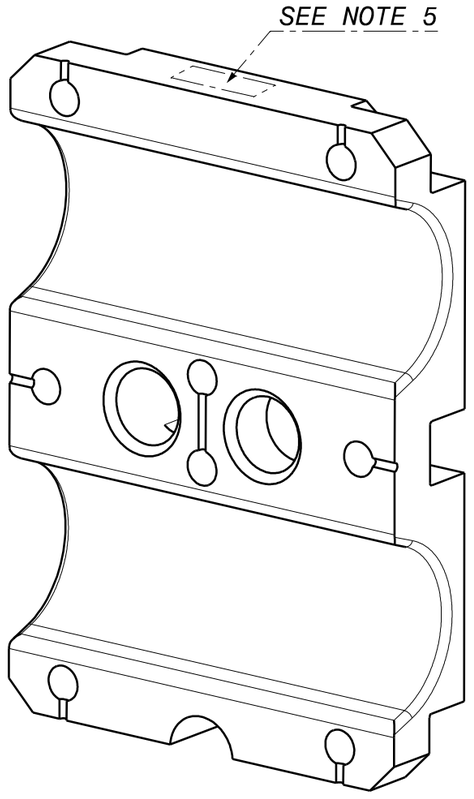
Left view



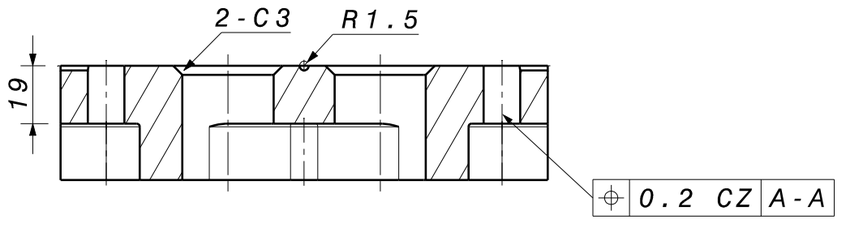
Front view



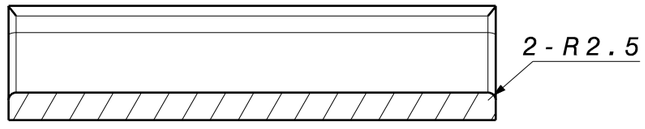
Right view



Isometric view



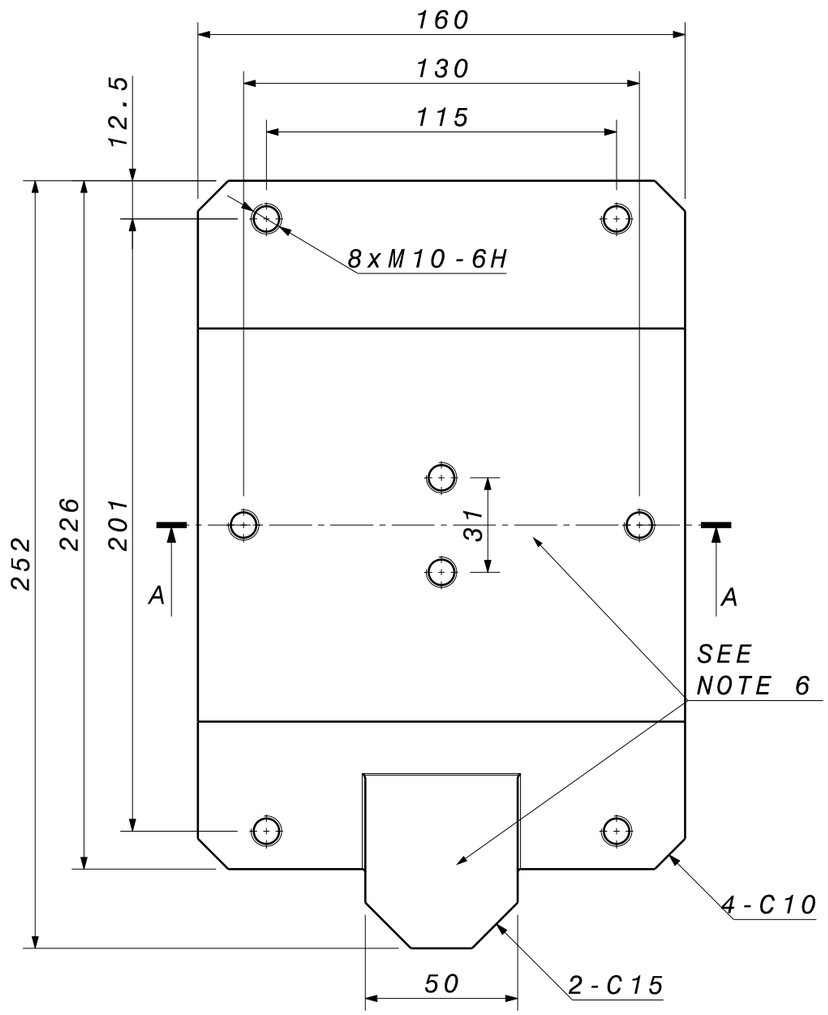
Section view A-A



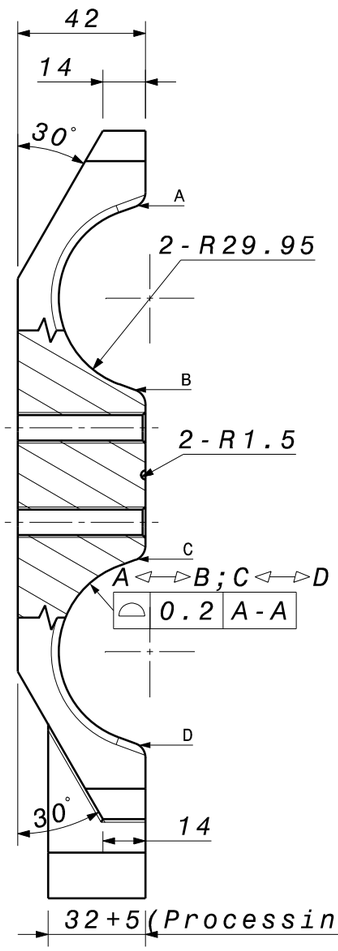
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

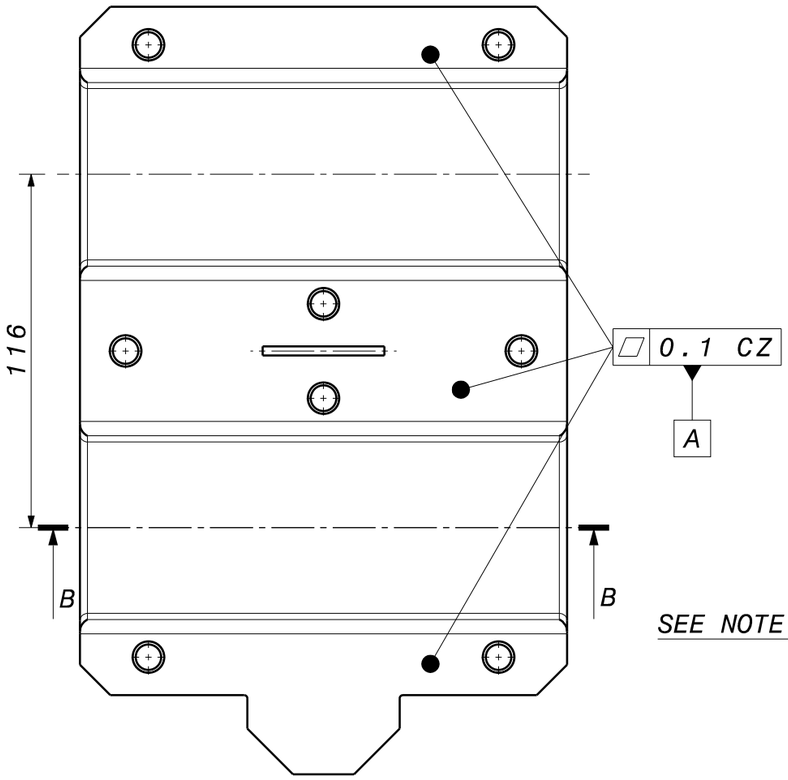
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_BRACKET_02_UVF#XC9L65_PROCESSING_DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.06.01	QUANTITY: 3	NO.OF SHTS: 31	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



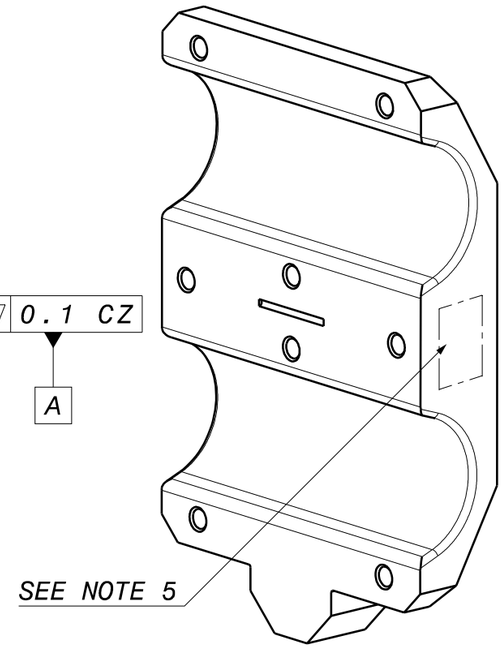
Left view



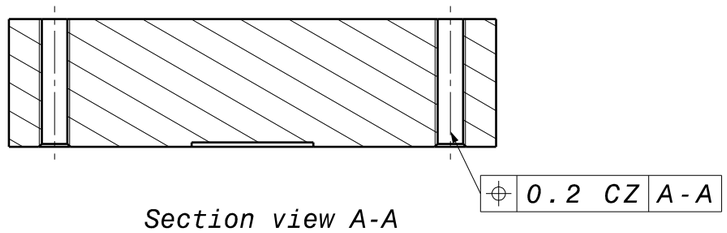
Front view



Right view



Isometric view



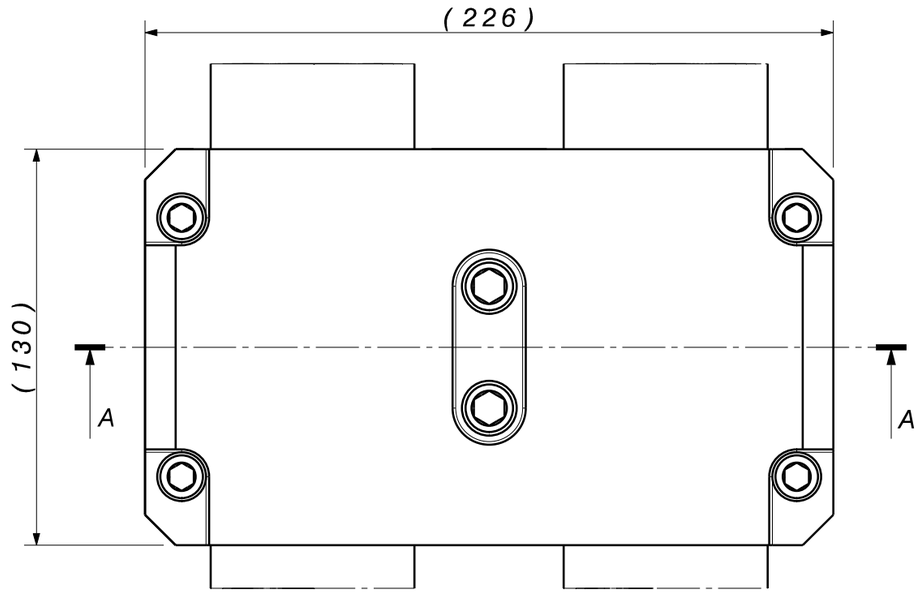
Section view A-A

Section view B-B

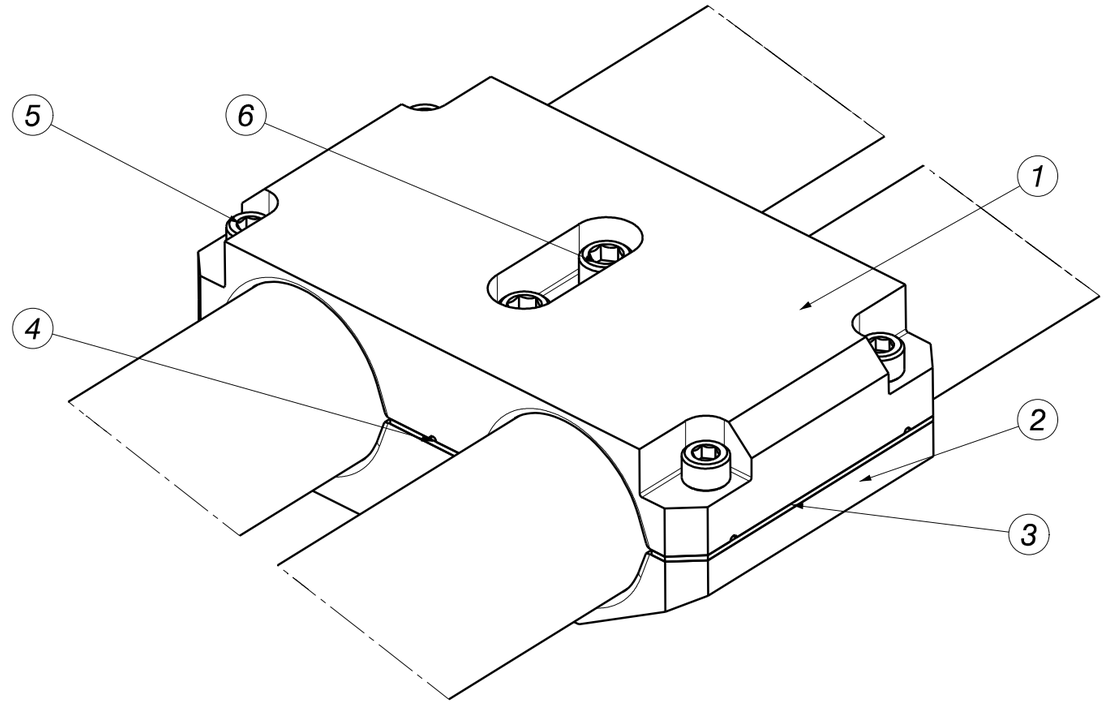
Note:

1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

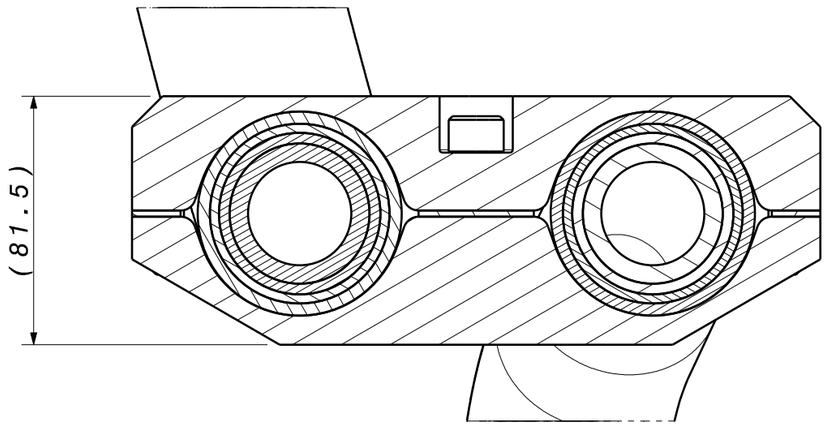
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						Applied Superconducting Engineering and Technology Division
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_02_UVF#XC9L42_PROCESSING_DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.06.02	QUANTITY: 3	NO.OF SHTS: 32	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view



Section view A-A

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M12X40 #YLN88V	2	Inconel 718	0.116
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	4	Inconel 718	0.16
4	SCC/IED05.07.04	CLAMP_02_UVF_SHIM_02	1	316L	0.077
3	SCC/IED05.07.03	CLAMP_02_UVF_SHIM_01	2	316L	0.06
2	SCC/IED05.07.02	LOWER_CLAMP_02_UVF#SH4KPS	1	Inconel 625	5.004
1	SCC/IED05.07.01	UPPER_CLAMP_02_UVF#VRKJSU	1	Inconel 625	4.663

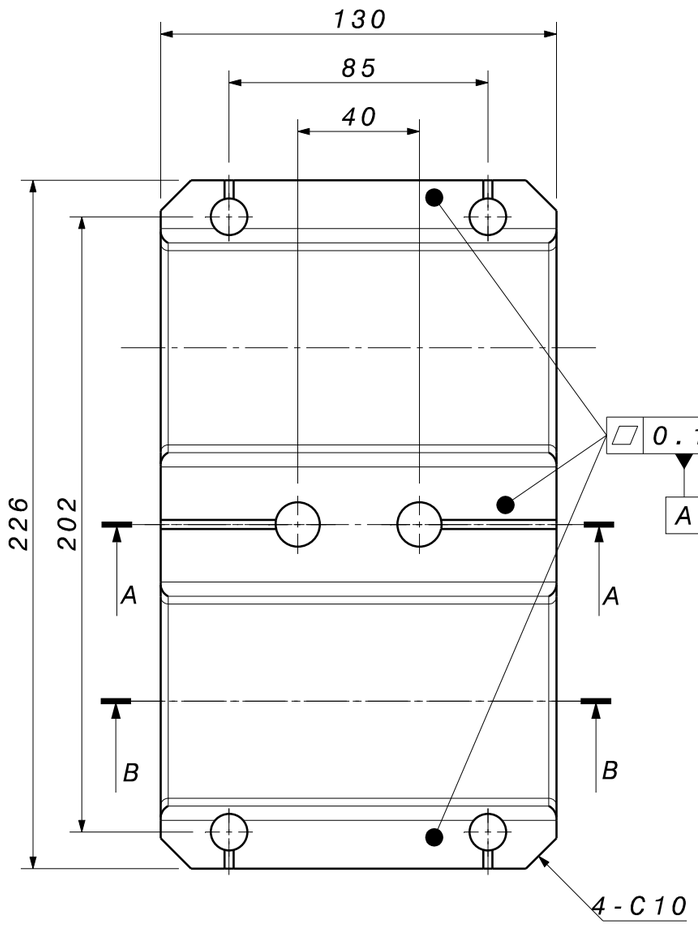
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

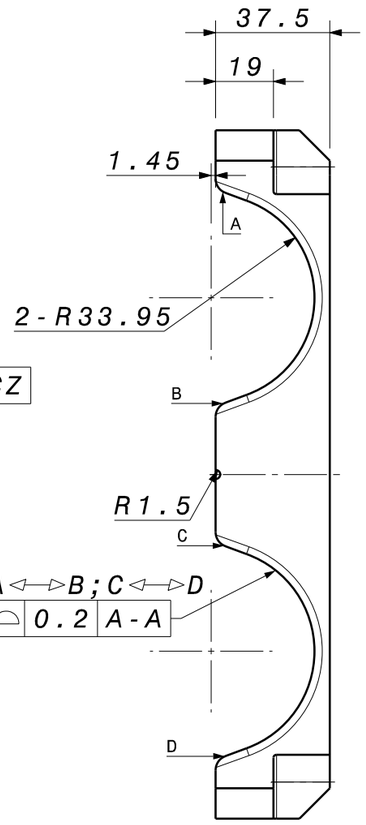
PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_CLAMP_02_UVF#WP#SH4GT3
SHEET NUMBER: SCC/IED05.07
QUANTITY: 3
NO.OF SHTS: 36
SHEET: 74
TIME: 05-06-2025
REVISION: V1.3

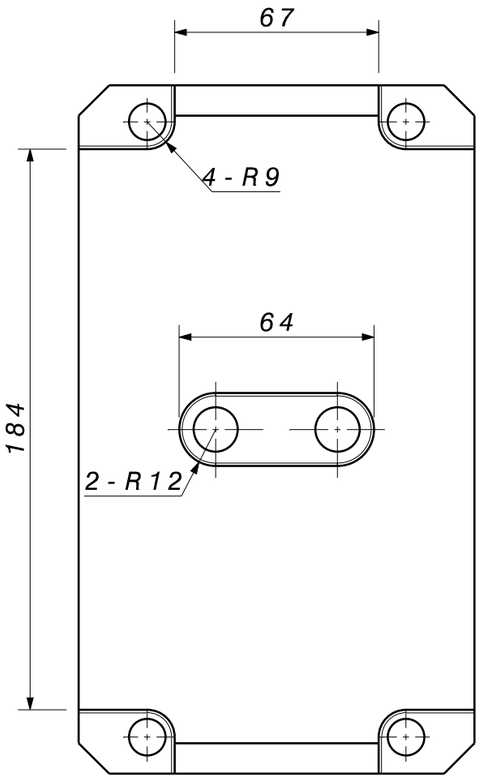
ASIPP
Applied Superconducting Engineering and Technology Division
MATERIAL: /



Left view

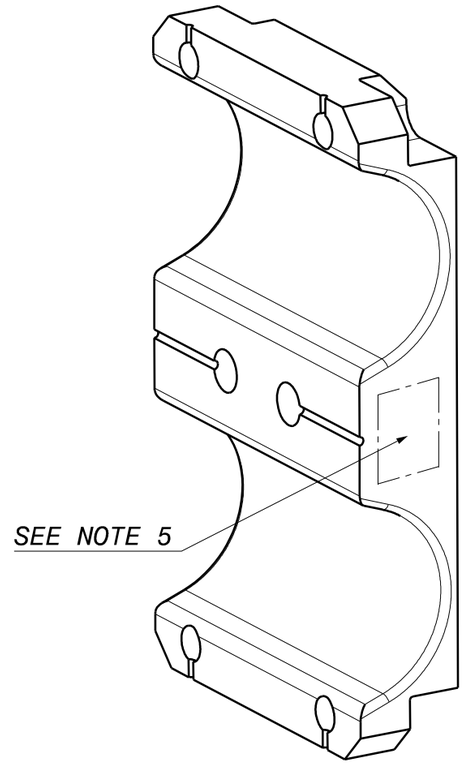


Front view

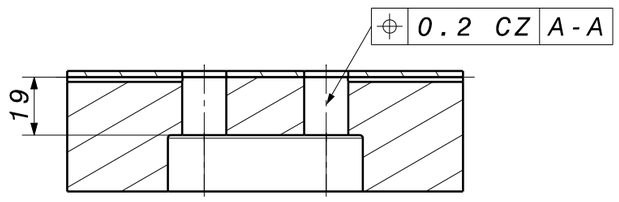


Right view

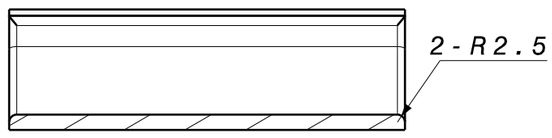
Ra3.2
ALL



Isometric view



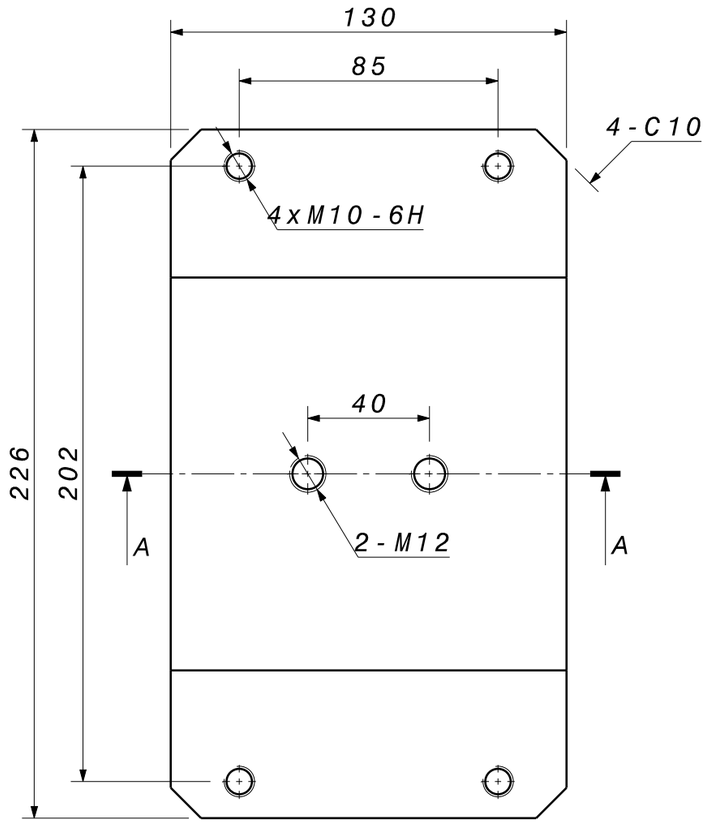
Section view A-A



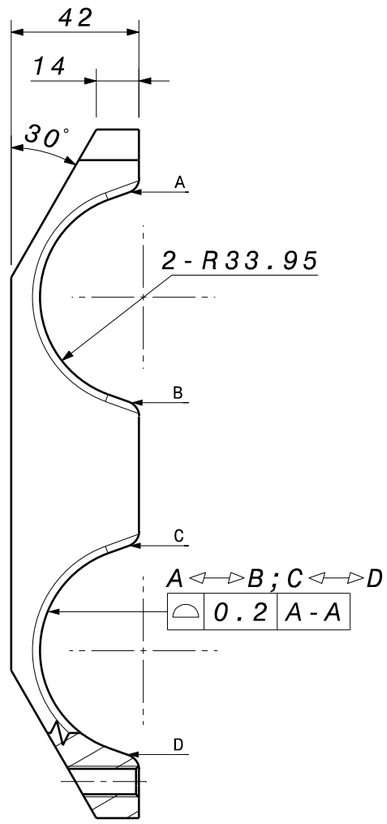
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

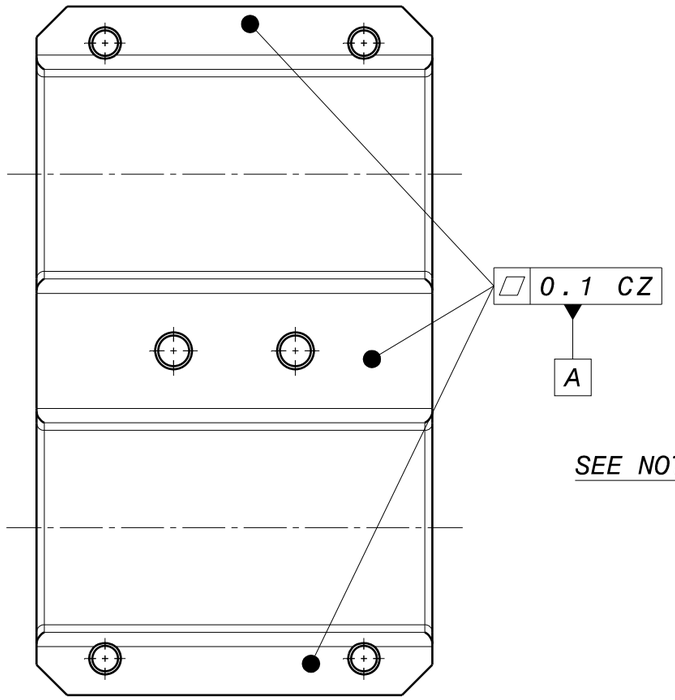
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_CLAMP_02_UVF#VRKJSU					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.07.01	QUANTITY: 3	NO.OF SHTS: 37	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



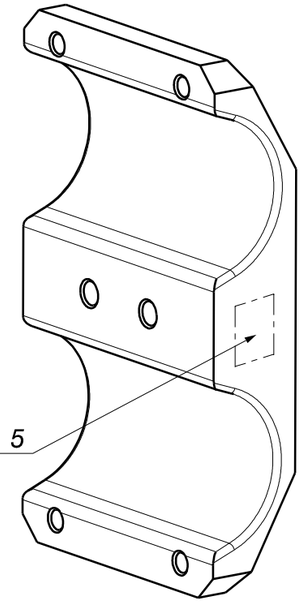
Left view



Front view

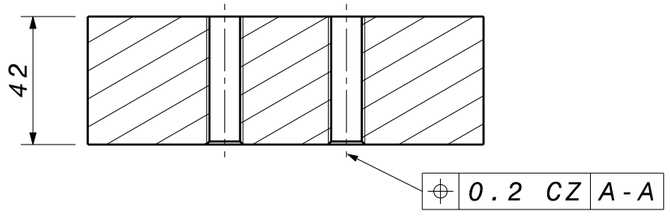


Right view



Isometric view

Ra3.2
ALL



Section view A-A

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
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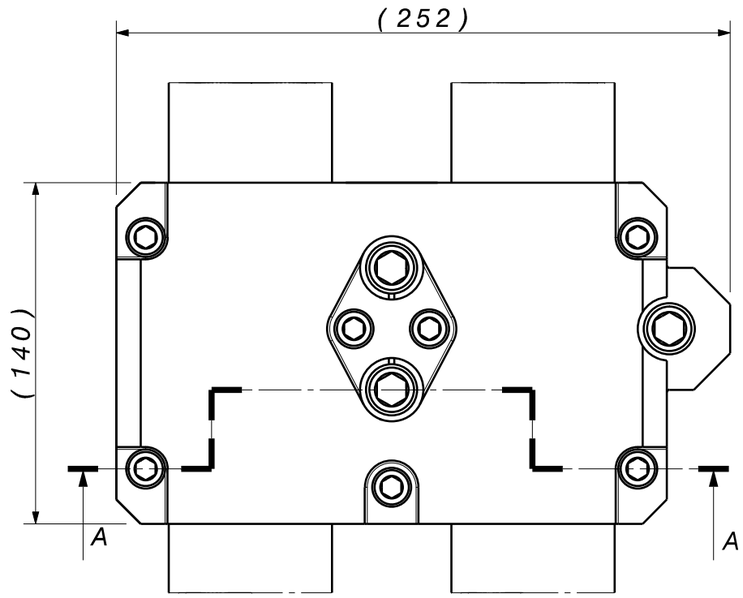
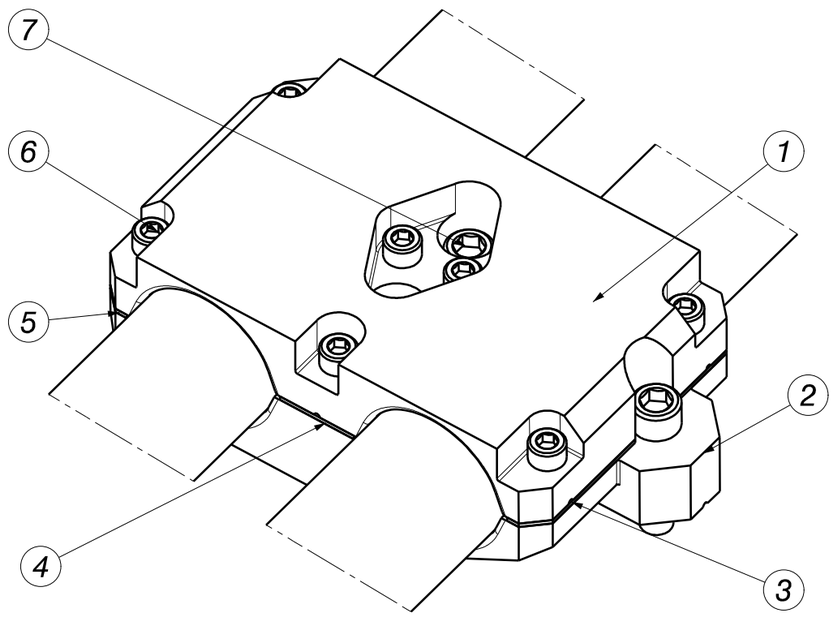
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

RELEASED BY Liangliang GENG	PROJECT NAME CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY Yu WU							
REVIEWED BY Houxiang HAN							
REPONSIBLE ENGINEER Jing JIN	WHERE TO BE USED UPPER_VS_FEEDER_FOAK						*Applied Superconducting Engineering and Technology Division*
DESIGNER Zhiyu WANG	DRAWING NAME UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE *420x297* / SCALE /	SHEET NAME LOWER_CLAMP_02_UVF#SH4KPS					MATERIAL	Inconel 625
THIRD ANGLE PROJECTION	SHEET NUMBER SCC/IED05.07.02	QUANTITY 3	NO.OF SHTS 38	SHEET 74	TIME 05-06-2025	REVISION *V1.3*	

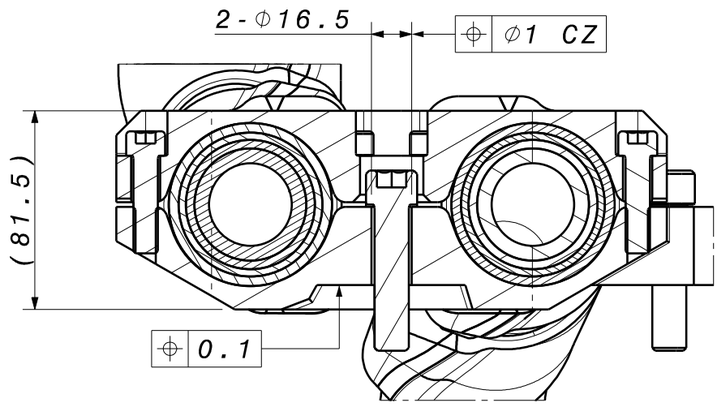


Front view



Isometric view

Ra3.2
ALL



Section view A-A

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

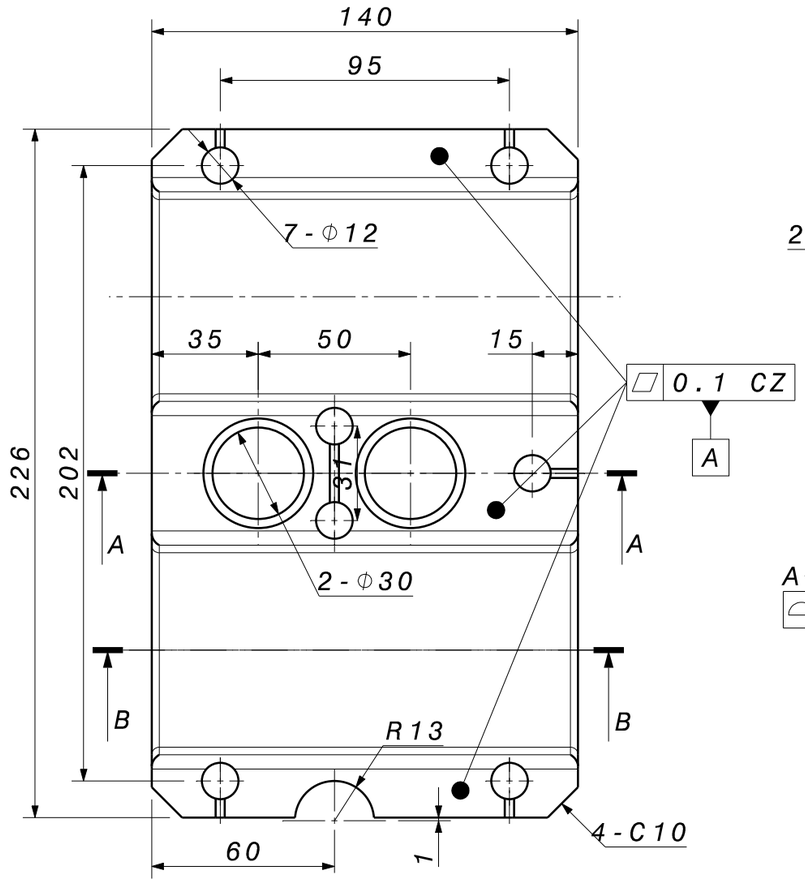
ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
7	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X60 #YR37DB	3	Inconel 718	0.324
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	7	Inconel 718	0.028
5	SCC/IED05.08.05	BRACKET_03_UVF_SHIM_03	1	316L	0.032
4	SCC/IED05.08.04	BRACKET_03_UVF_SHIM_02	1	316L	0.066
3	SCC/IED05.08.03	BRACKET_03_UVF_SHIM_01	1	316L	0.028
2	SCC/IED05.08.02	LOWER_BRACKET_03_UVF#SH4KHP	1	Inconel 625	5.071
1	SCC/IED05.08.01	UPPER_BRACKET_03_UVF#SH4KKU	1	Inconel 625	4.558

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

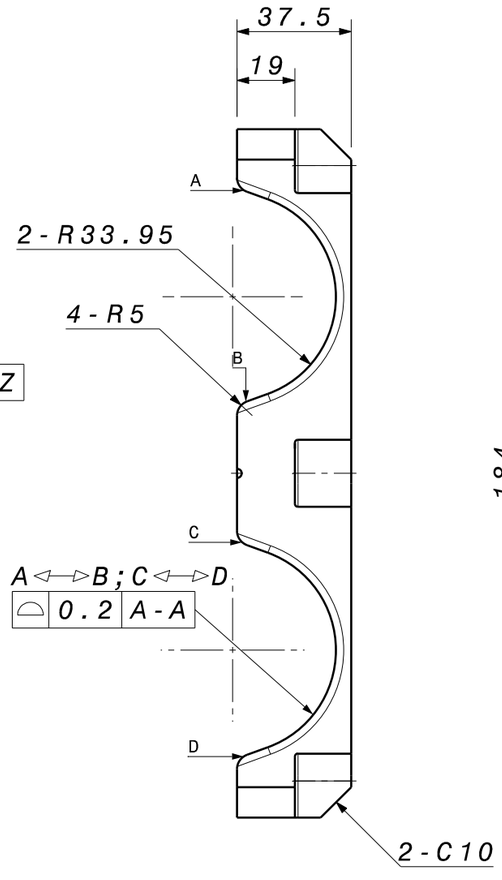
PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_BRACKET_03_UVF#WP#SH4GSK
SHEET NUMBER: SCC/IED05.08
QUANTITY: 3
NO.OF SHTS: 41
SHEET: 74
TIME: 05-06-2025
REVISION: V1.3
MATERIAL: /

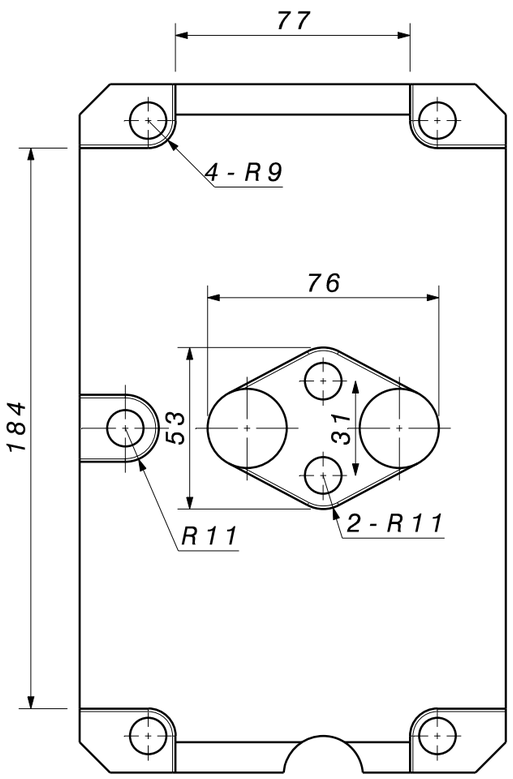
ASIPP
Applied Superconducting Engineering and Technology Division



Left view

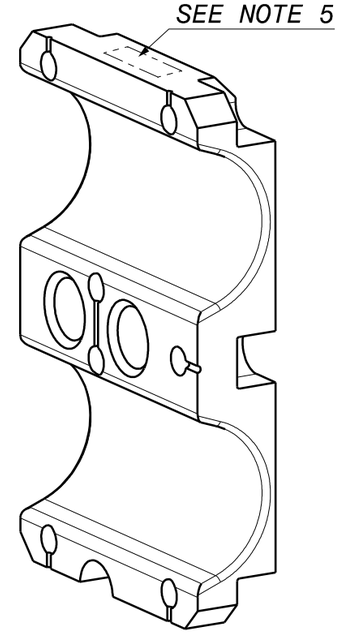


Front view

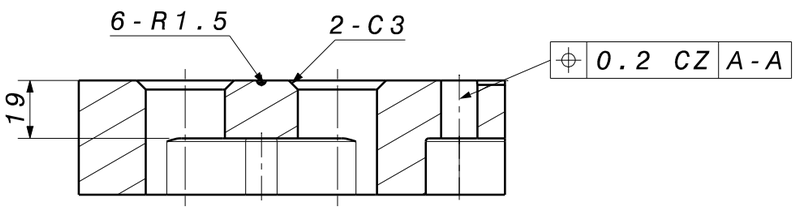


Right view

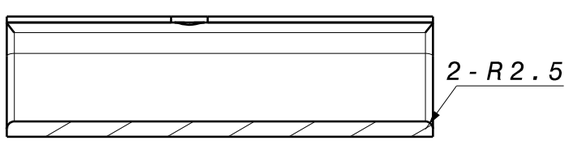
Ra3.2
ALL



Isometric view



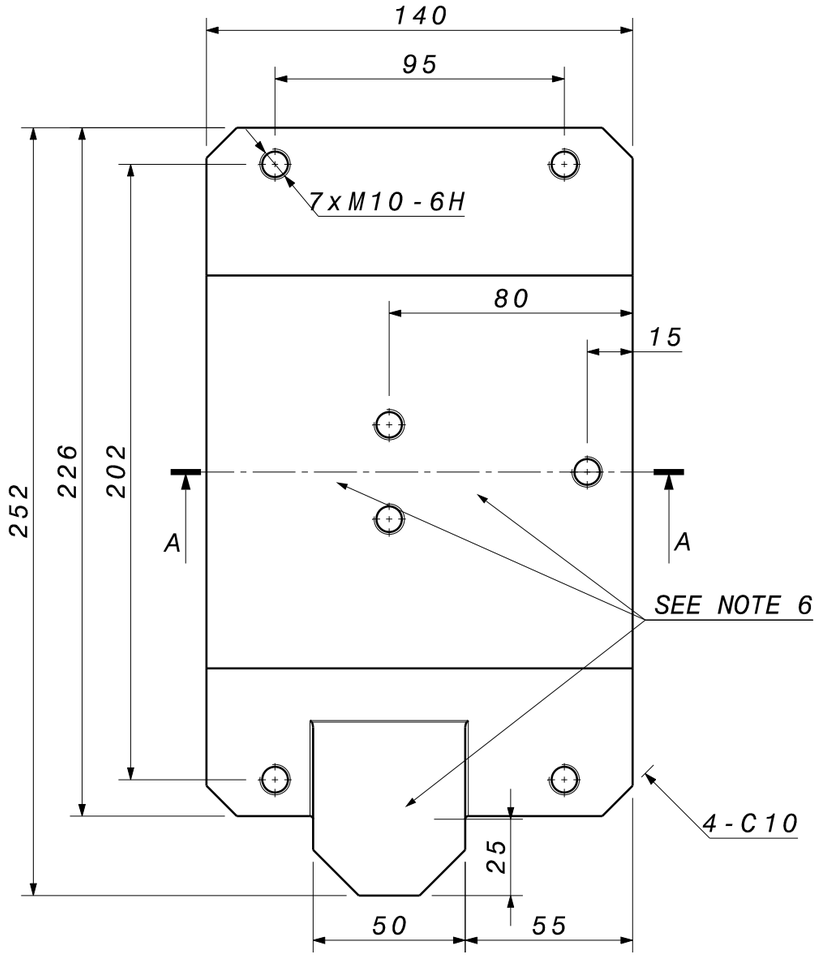
Section view A-A



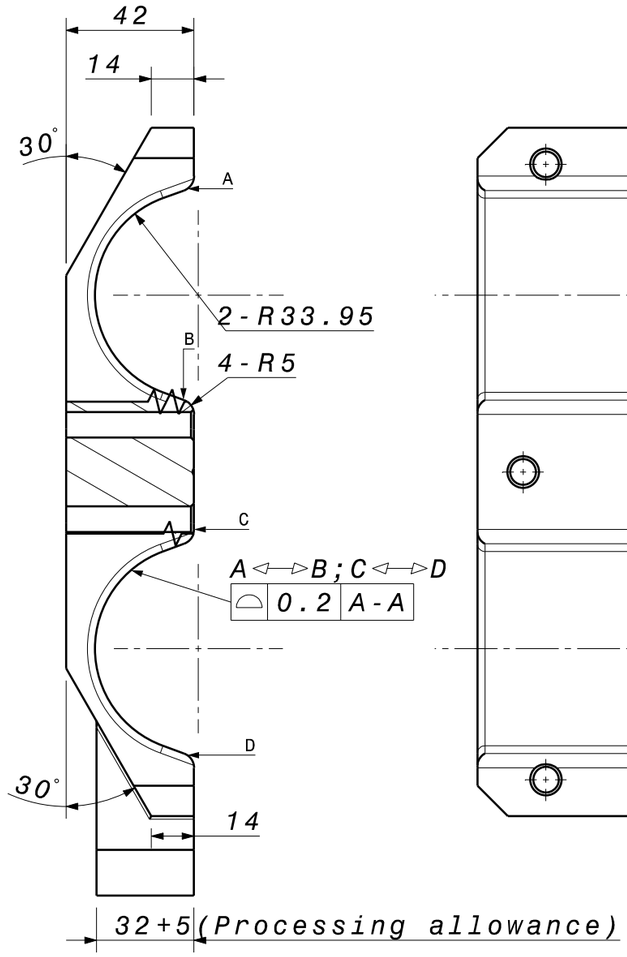
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

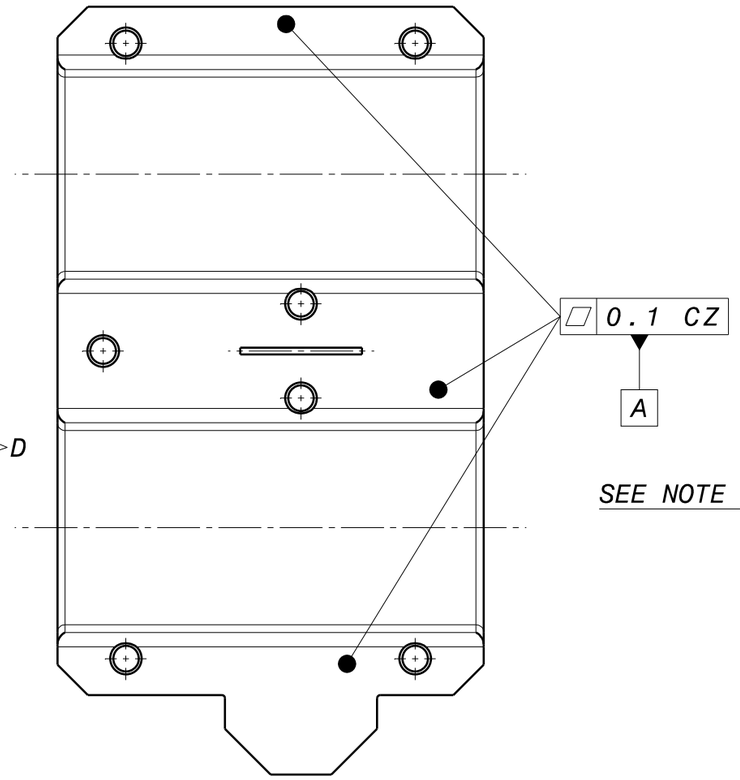
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED	ASIPP					
APPROVED BY: Yu WU	The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK	*Applied Superconducting Engineering and Technology Division*					
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_BRACKET_03_UVF#SH4KKU	MATERIAL: Inconel 625					
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.08.01	QUANTITY: 3	NO.OF SHTS: 42	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



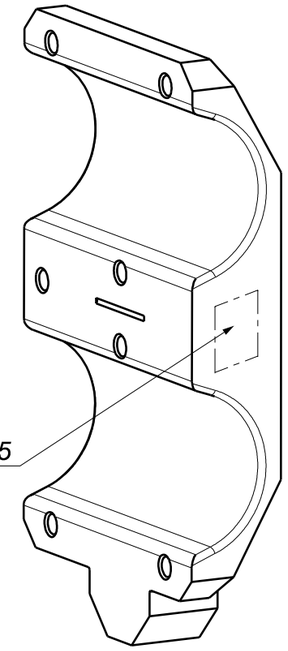
Left view



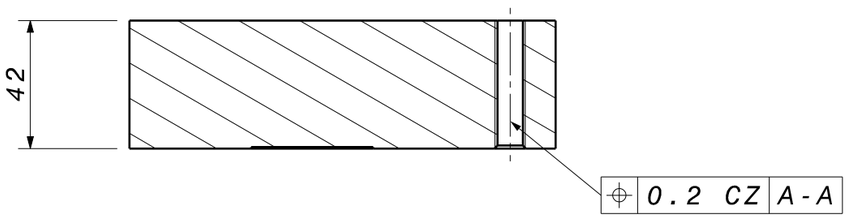
Front view



Right view



Isometric view



Section view A-A

Ra3.2
ALL

Note:

1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.

2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.

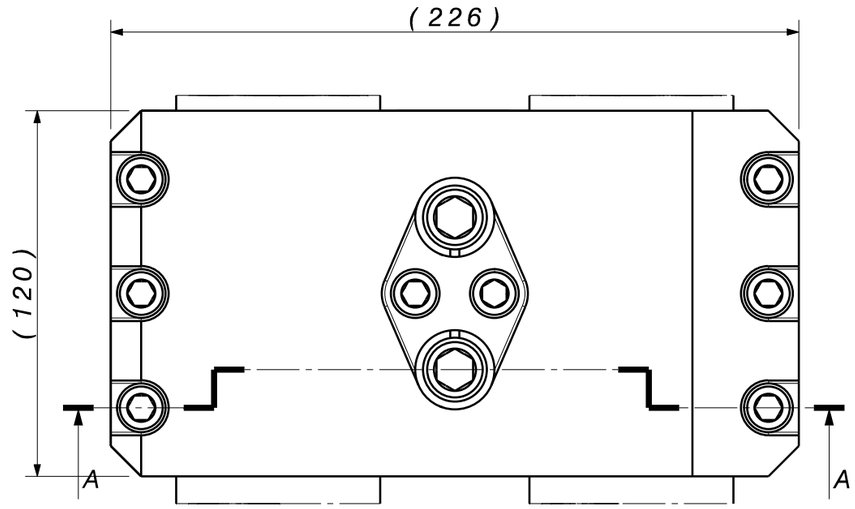
3.UNLABELED CHAMFER IS R1.

4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

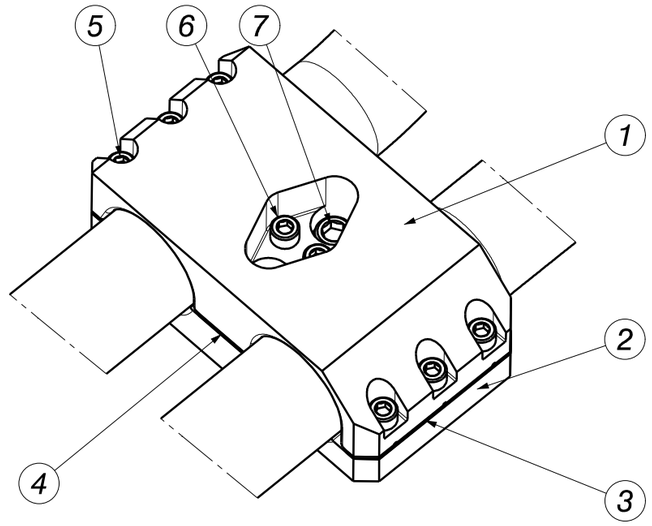
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

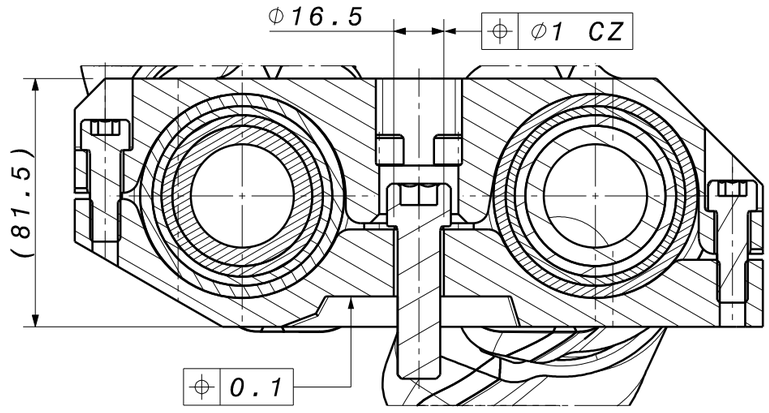
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_03_UVF#SH4KHP_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.08.02	QUANTITY: 3	NO.OF SHTS: 43	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view



Section view A-A

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
7	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X40 #YR4C8A	2	Inconel 718	0.2
6	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X50 #XTVKQ8	2	Inconel 718	0.08
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X30 #YT3ZH3	6	Inconel 718	0.196
4	SCC/IED05.09.04	BRACKET_04_UVF_SHIM_02	1	316L	0.053
3	SCC/IED05.09.03	BRACKET_04_UVF_SHIM_01	2	316L	0.048
2	SCC/IED05.09.02	LOWER_BRACKET_04_UVF#SH4J8B	1	Inconel 625	3.697
1	SCC/IED05.09.01	UPPER_BRACKET_04_UVF#SH4JAG	1	Inconel 625	4.084

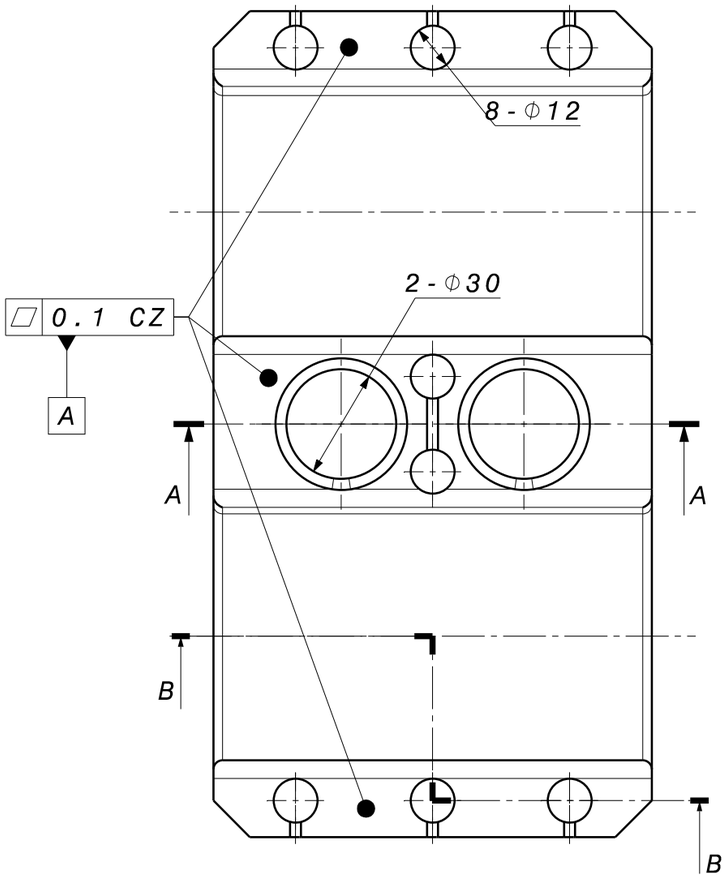
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

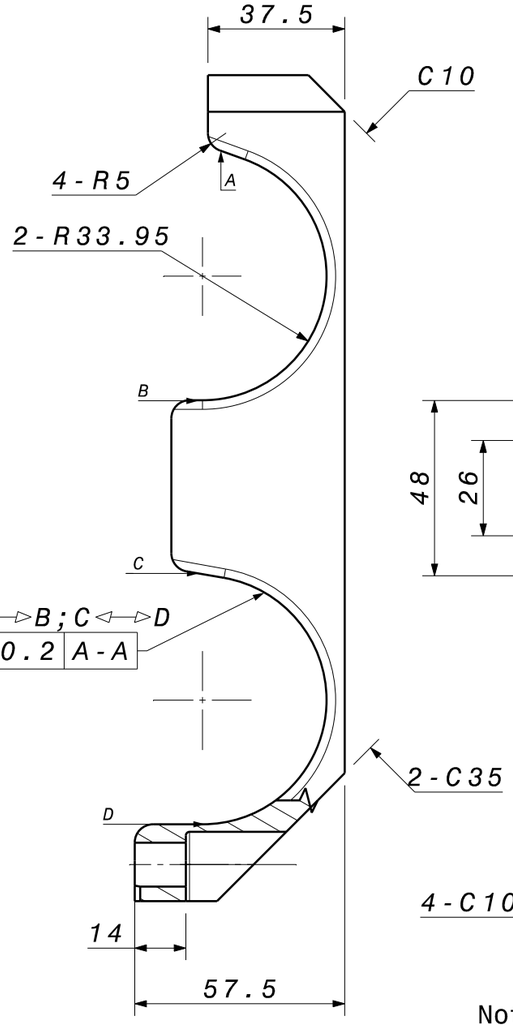
PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_BRACKET_04_UVF#WP#SH4GR8
SHEET NUMBER: SCC/IED05.09
QUANTITY: 1
NO.OF SHTS: 47
SHEET: 74
TIME: 05-06-2025
REVISION: V1.3
MATERIAL: /

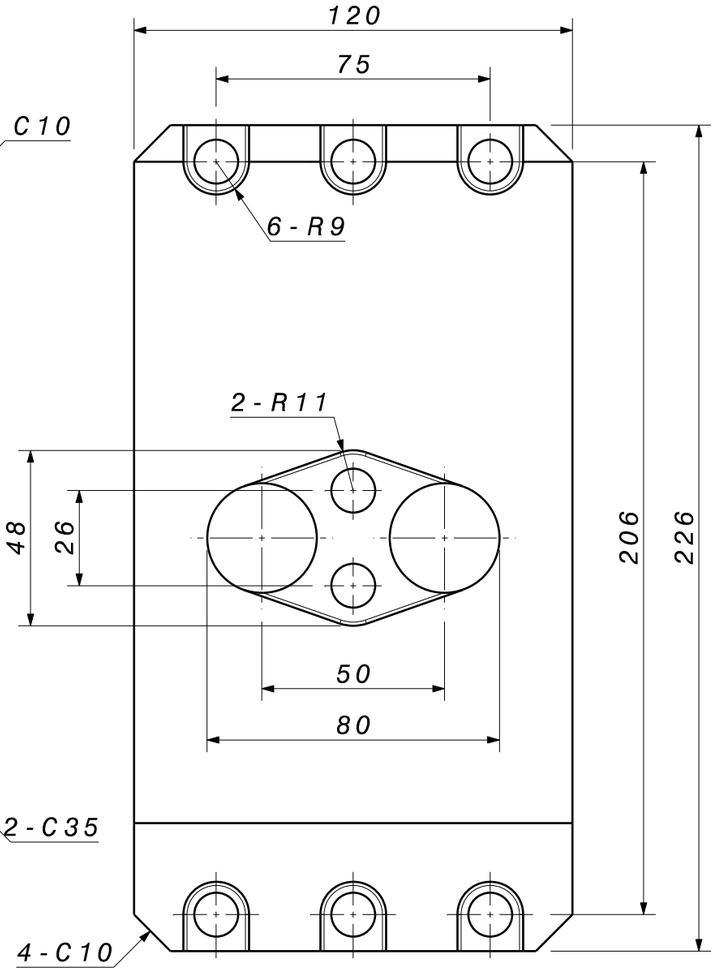
ASIPP
Applied Superconducting Engineering and Technology Division



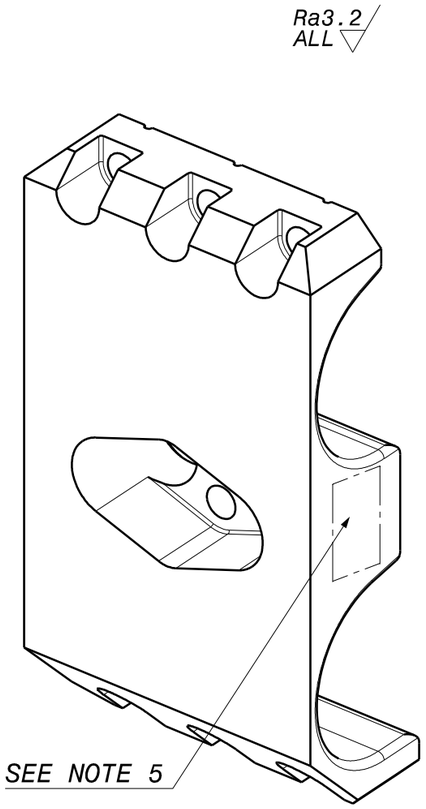
Front view



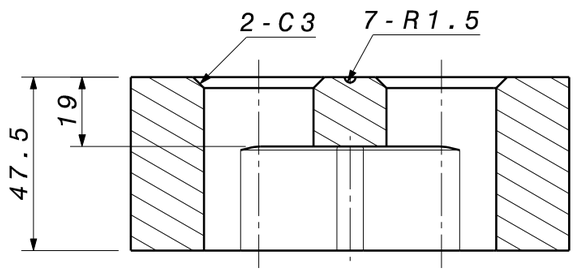
Right view



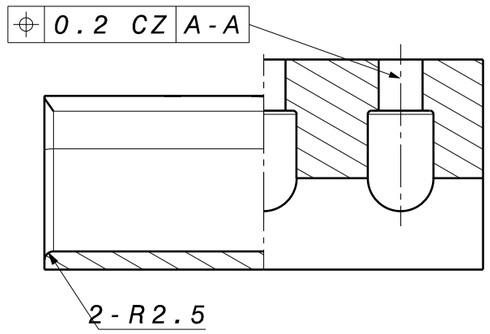
Rear view



Isometric view



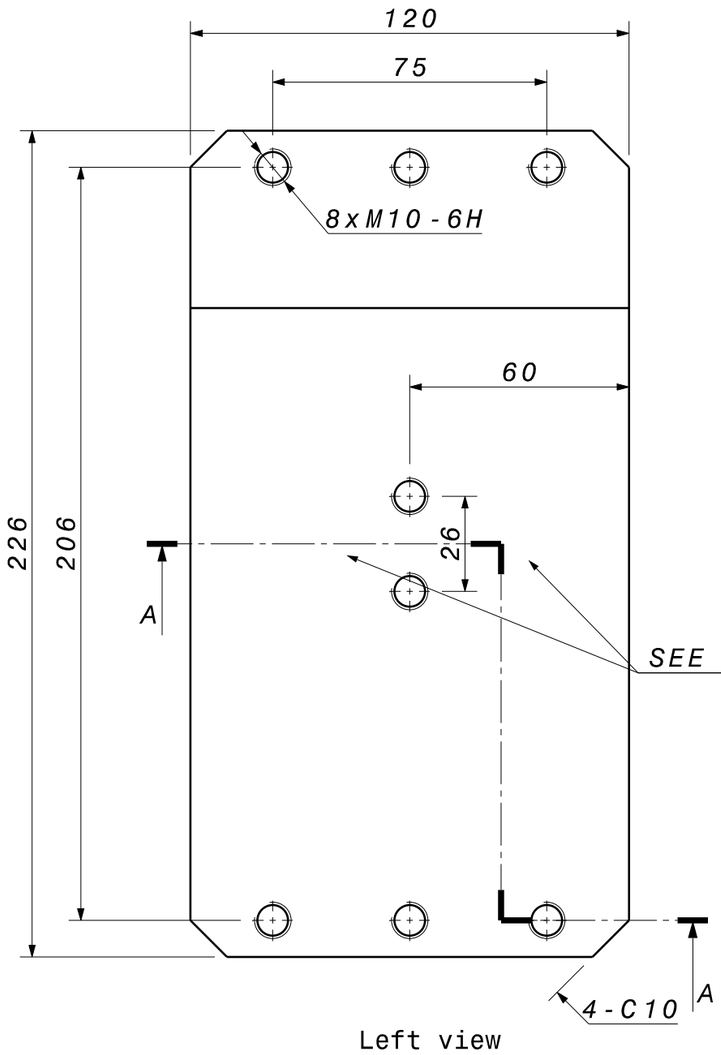
Section view A-A



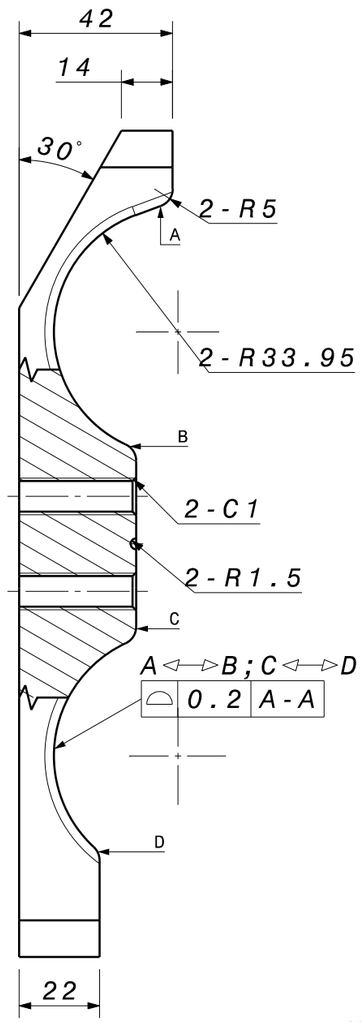
Section view B-B

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

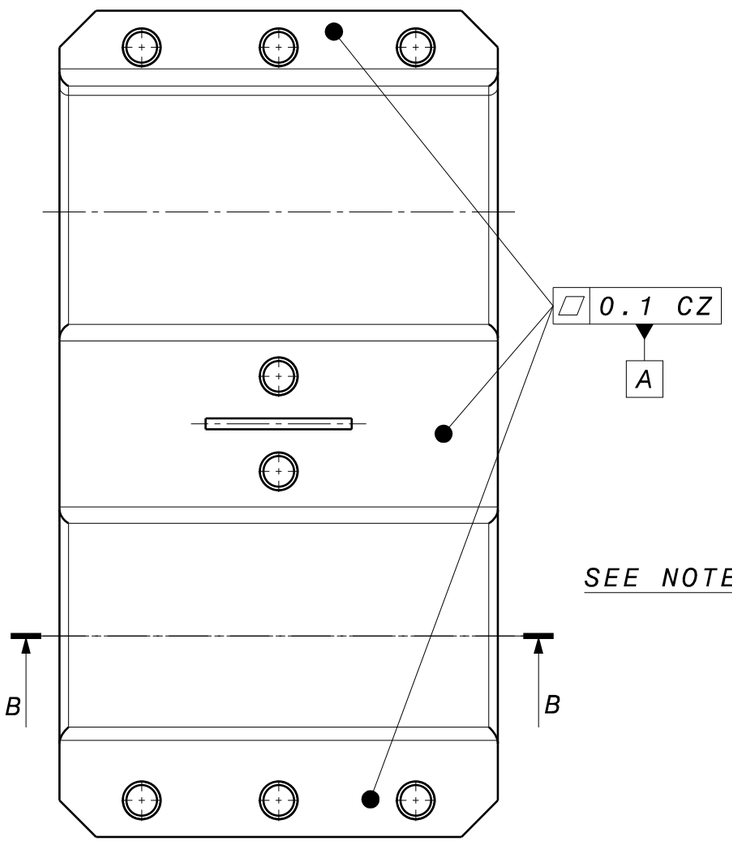
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							Applied Superconducting Engineering and Technology Division
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_BRACKET_04_UVF#SH4JAG				MATERIAL: Inconel 625		
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.09.01	QUANTITY: 1	NO.OF SHTS: 48	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



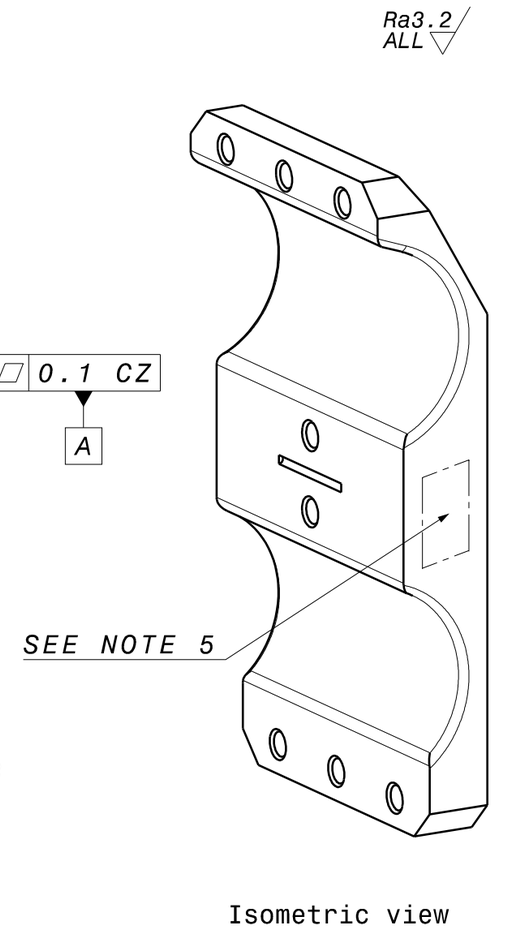
Left view



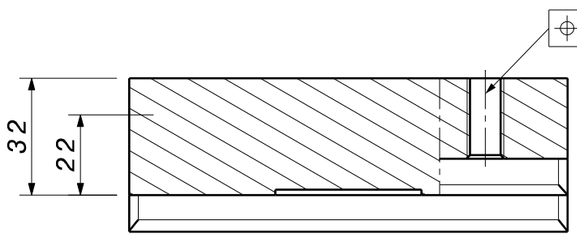
Front view



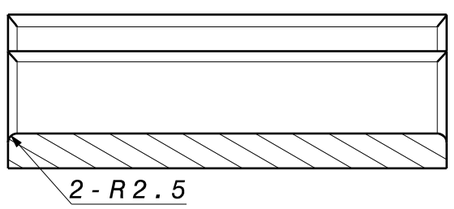
Right view



Isometric view



Section view A-A

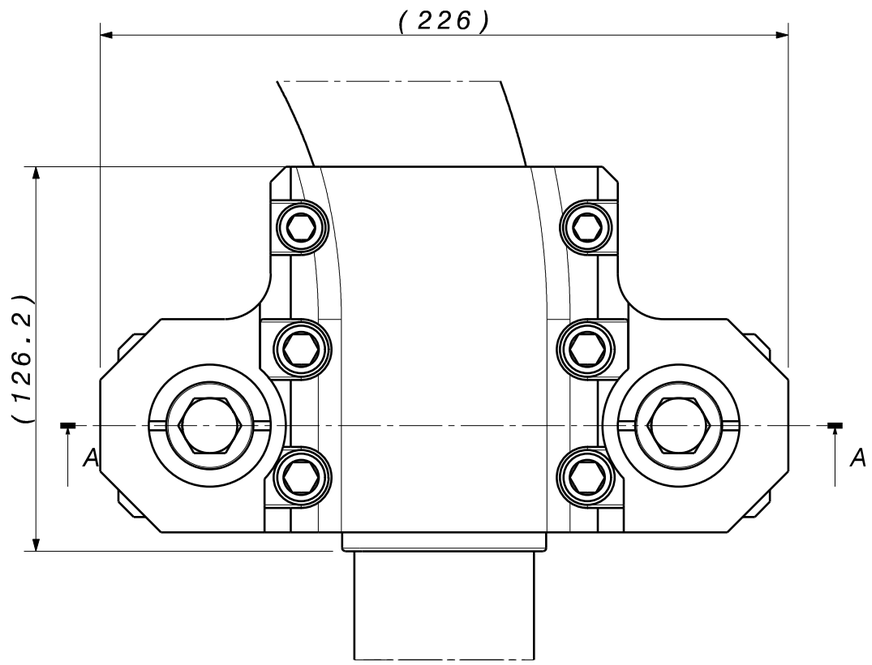


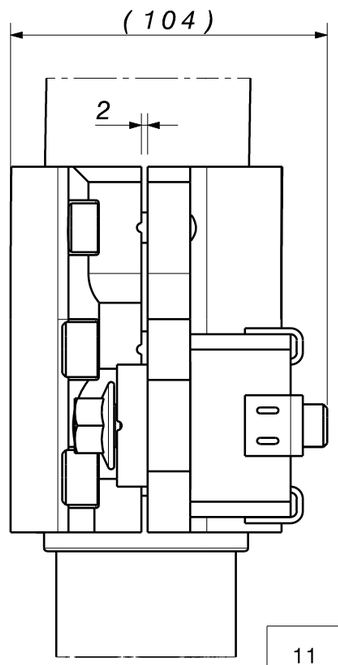
Section view B-B

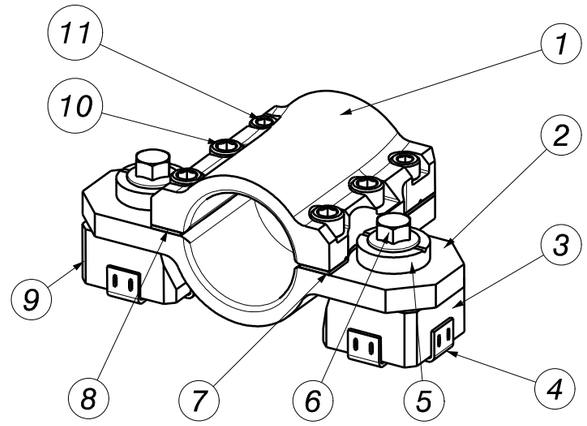
Note:

1. THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K.
2. THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3. UNLABELED CHAMFER IS R1.
4. DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5. THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6. AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP	
APPROVED BY: Yu WU						Applied Superconducting Engineering and Technology Division	
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_04_UVF#SH4J8B_PROCESSING_DRAWING				MATERIAL: Inconel 625		
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.09.02	QUANTITY: 1	NO.OF SHTS: 49	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	

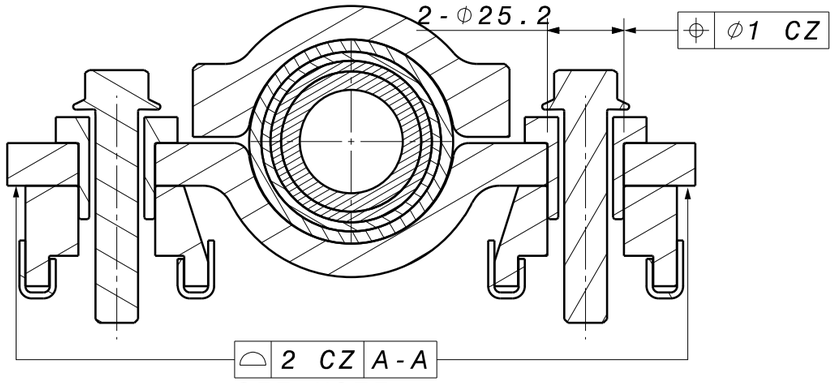






Isometric

Front view



Section cut A-A

Right view

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
11	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X30 #YT3ZH3	2	Inconel 718	0.66
10	/	CYLINDER_HEAD_SCREW_ISO_4762_M12X30 #XV4PJ9	4	Inconel 718	0.288
9	SCC/IED05.10.08	VS_SHIM_40x40_23mm#TWJLB4_02	1	Inconel 718	0.662
8	SCC/IED05.10.07	BRACKET_JOINT_01_UVF_SHIM_02	1	316L	0.033
7	SCC/IED05.10.06	BRACKET_JOINT_01_UVF_SHIM_01	1	316L	0.027
6	/	HEXAGON_BOLT_ISO_4162_M14X70-F#2245KF	2	Inconel 718	0.252
5	SCC/IED05.10.05	VS_TOP_SLEEVE_L25#YR8P9R	2	Inconel 718	0.26
4	SCC/IED05.10.04	IVC_LITTLE_SHIM_2#3DMR4C	8	304L	0.096
3	SCC/IED05.10.03	VS_SHIM_40x40_23mm#TWJLB4_01	1	Inconel 718	0.662
2	SCC/IED05.10.02	LOWER_BRACKET_JOINT_01_UVF#XDZUDR	1	Inconel 625	2.368
1	SCC/IED05.10.01	UPPER_BRACKET_JOINT_01_UVF#XDZUFN	1	Inconel 625	1.769

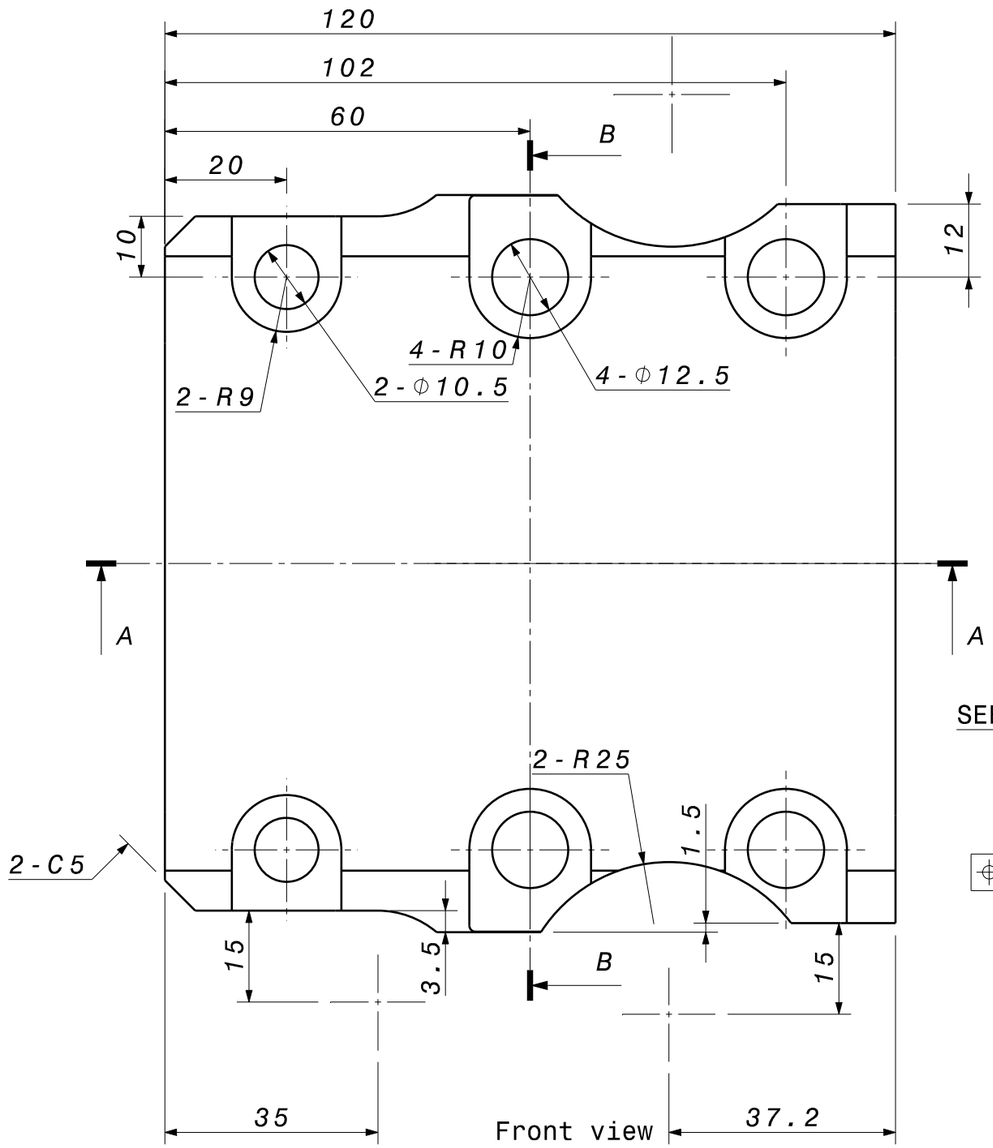
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.LOWER BRACKET AND CLAMP SURFACES COMBINED ZONE USED TO CREATE REF A (EXCEPT JOINT AREA AND WELDED PARTS),SEE SHEET NUMBER SCC/IED05.

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

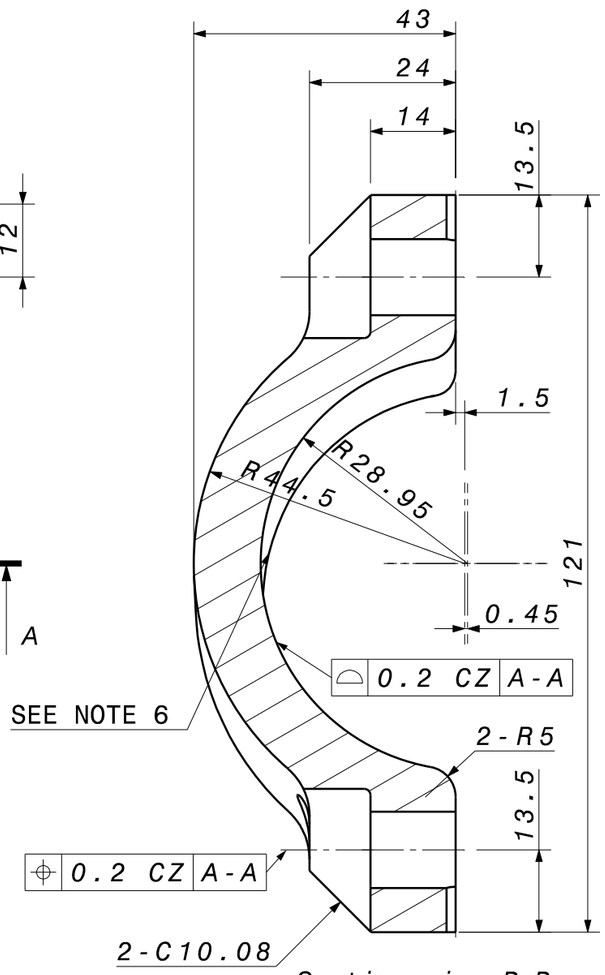
PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_BRACKET_JOINT_01_UVF#WP#XDZUBQ
SHEET NUMBER: SCC/IED05.10
QUANTITY: 1
NO.OF SHTS: 52
SHEET: 74
TIME: 05-06-2025
REVISION: V1.3
MATERIAL: /

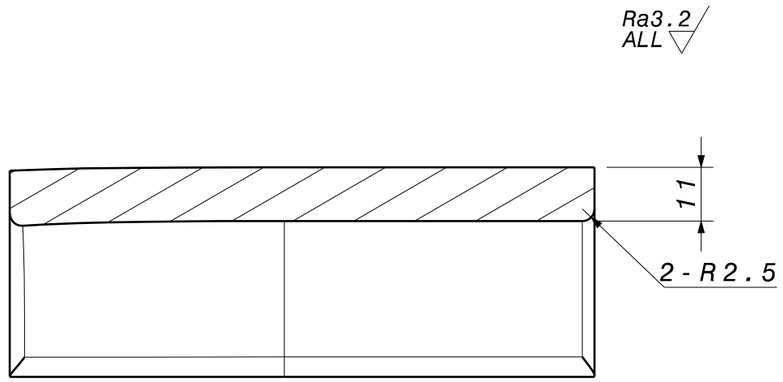
ASIPP
Applied Superconducting Engineering and Technology Division



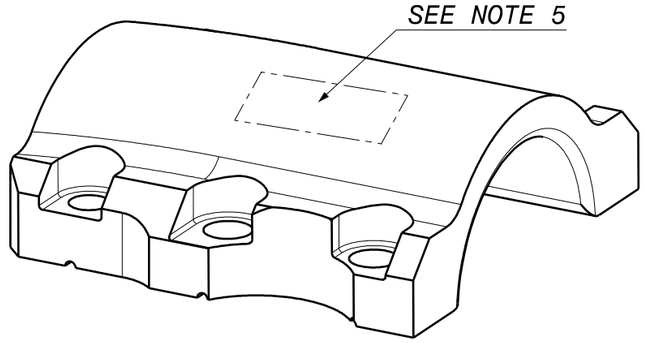
Front view



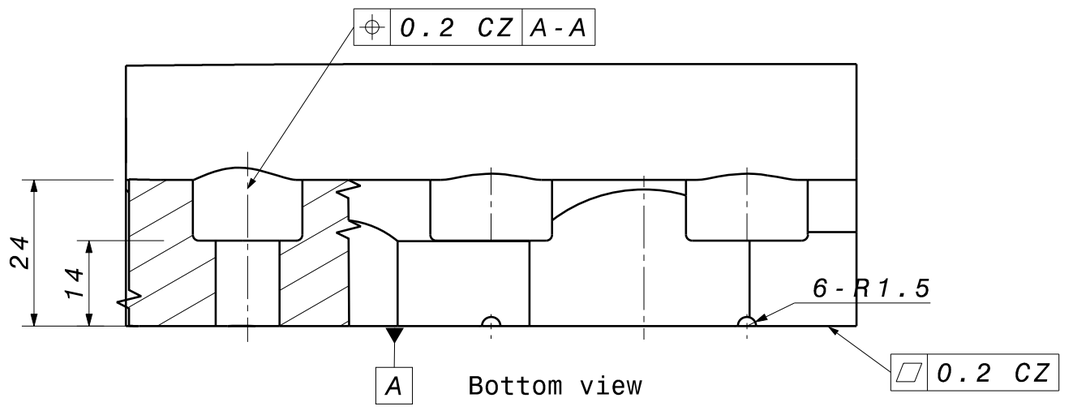
Section view B-B



Section view A-A



Isometric view



Bottom view

Note:

1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.

2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.

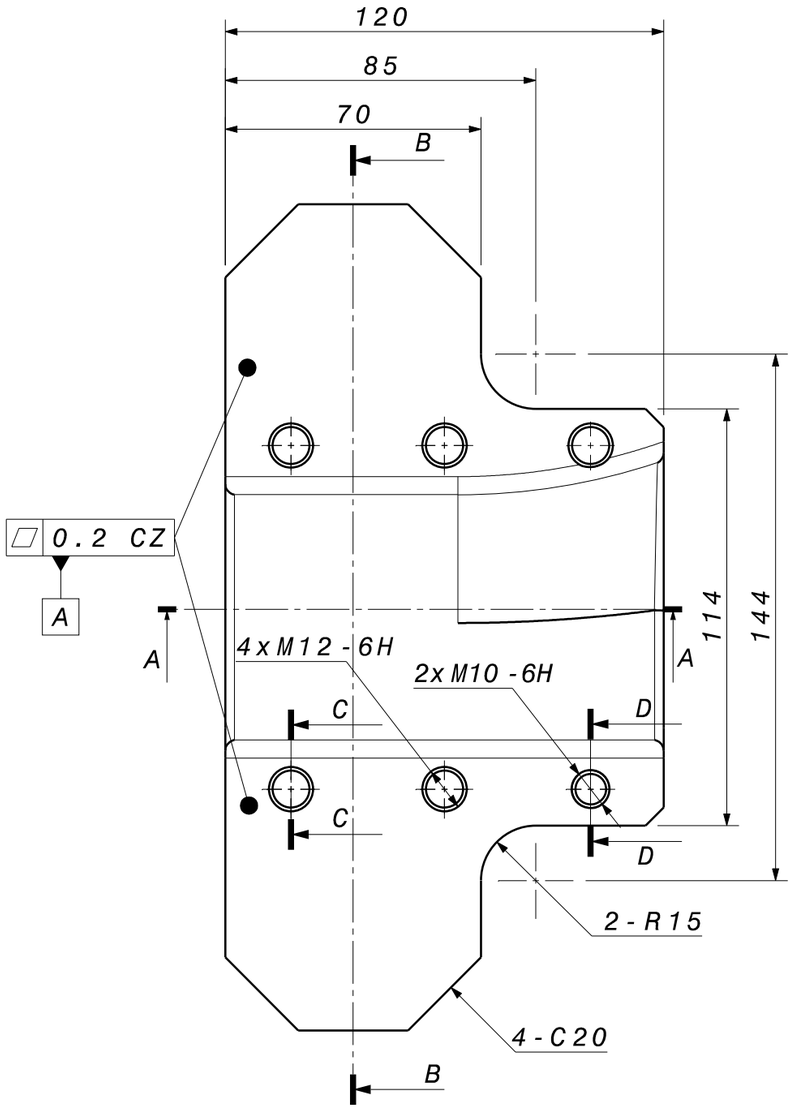
3.UNLABELED CHAMFER IS R1.

4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

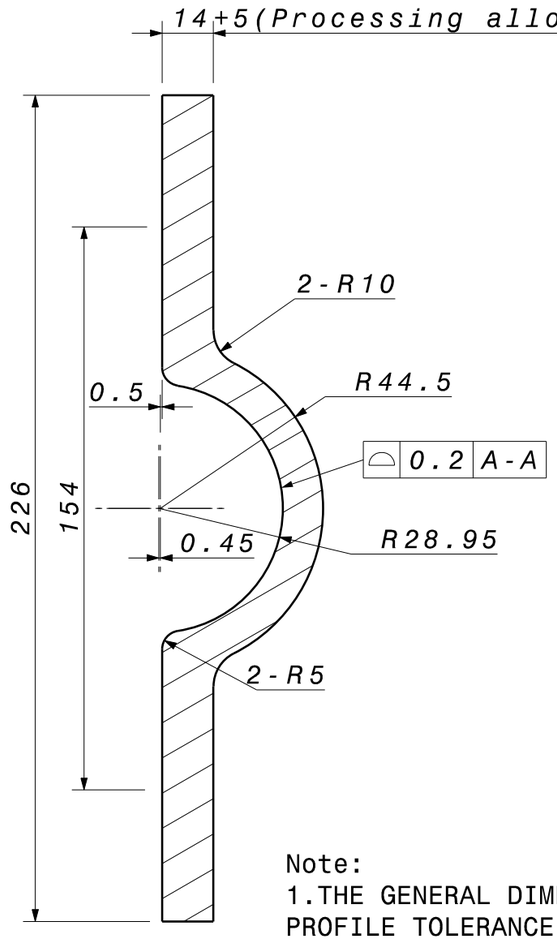
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

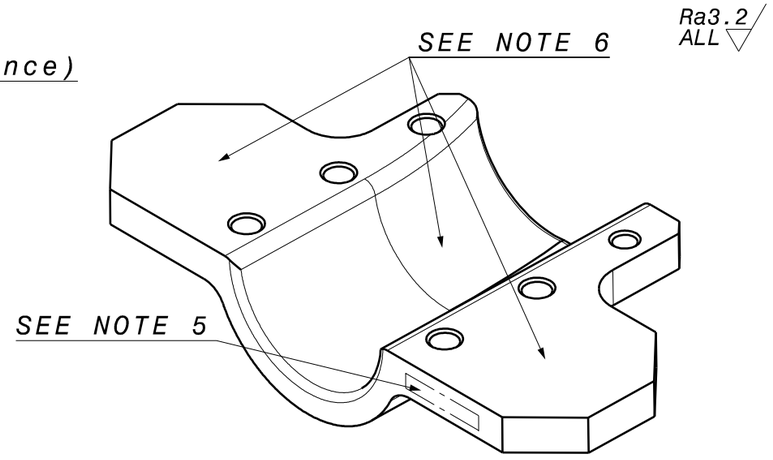
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							Applied Superconducting Engineering and Technology Division
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_BRACKET_JOINT_01_UVF#XDZUFN_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.10.01	QUANTITY: 1	NO.OF SHTS: 53	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



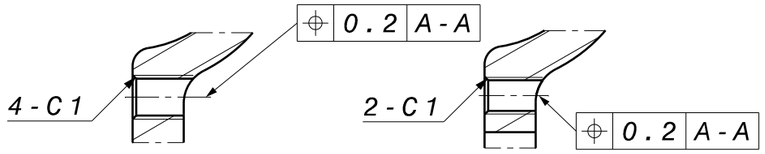
Front view



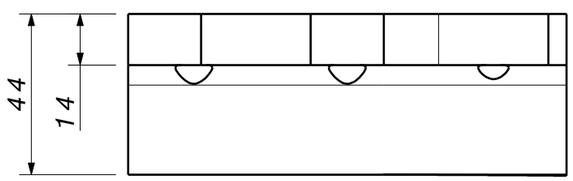
Section view B-B



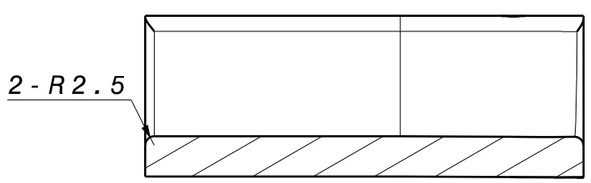
Isometric view



Section view C-C Section view D-D



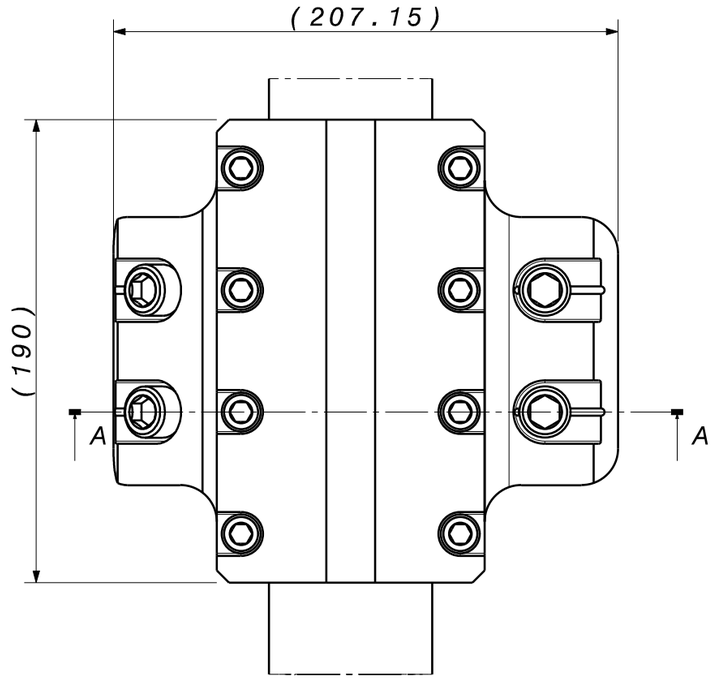
Bottom view



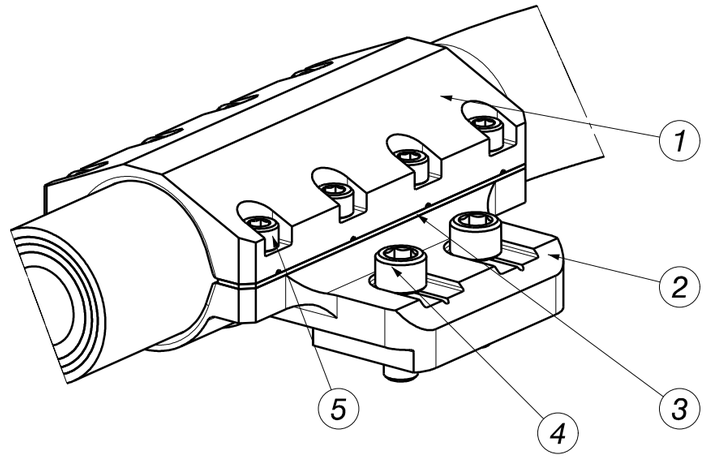
Section view A-A

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER, AND THE INNER GROOVE SURFACE OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

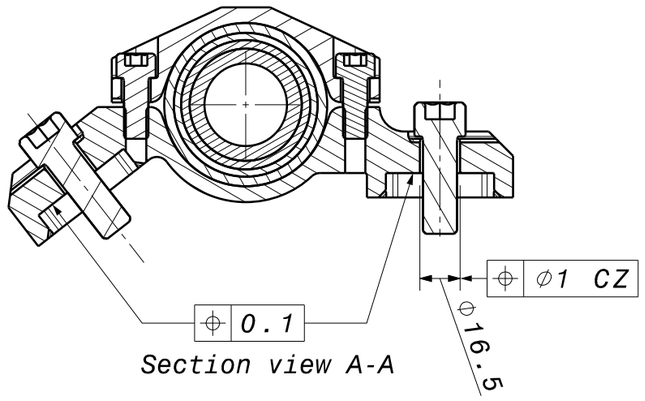
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							Applied Superconducting Engineering and Technology Division
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_JOINT_01_UVF#XDZUDR_PROCESSING_DRAWING				MATERIAL: Inconel 625		
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.10.02	QUANTITY: 1	NO.OF SHTS: 54	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view



Section view A-A

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4. DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
5	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X25 #Y8SRAA	8	Inconel 718	0.24
4	/	CYLINDER_HEAD_SCREW_ISO_4762_M14X40 #U6MEHA	4	Inconel 718	0.332
3	SCC/IED05.11.03	BRACKET_05_UVF_SHIM_01	2	316L	0.084
2	SCC/IED05.11.02	LOWER_BRACKET_05_UVF#SMFFPV	1	Inconel 625	3.938
1	SCC/IED05.11.01	UPPER_BRACKET_05_UVF#SMFFRU	1	Inconel 625	2.257

RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.				
APPROVED BY: Yu WU					
REVIEWED BY: Houxiang HAN					
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK				
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9				
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: IVC_BRACKET_05_UVF#WP#SMFFVW			MATERIAL: /	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.11	QUANTITY: 1	NO.OF SHTS: 61	SHEET: 74	TIME: 05-06-2025 / REVISION: V1.3

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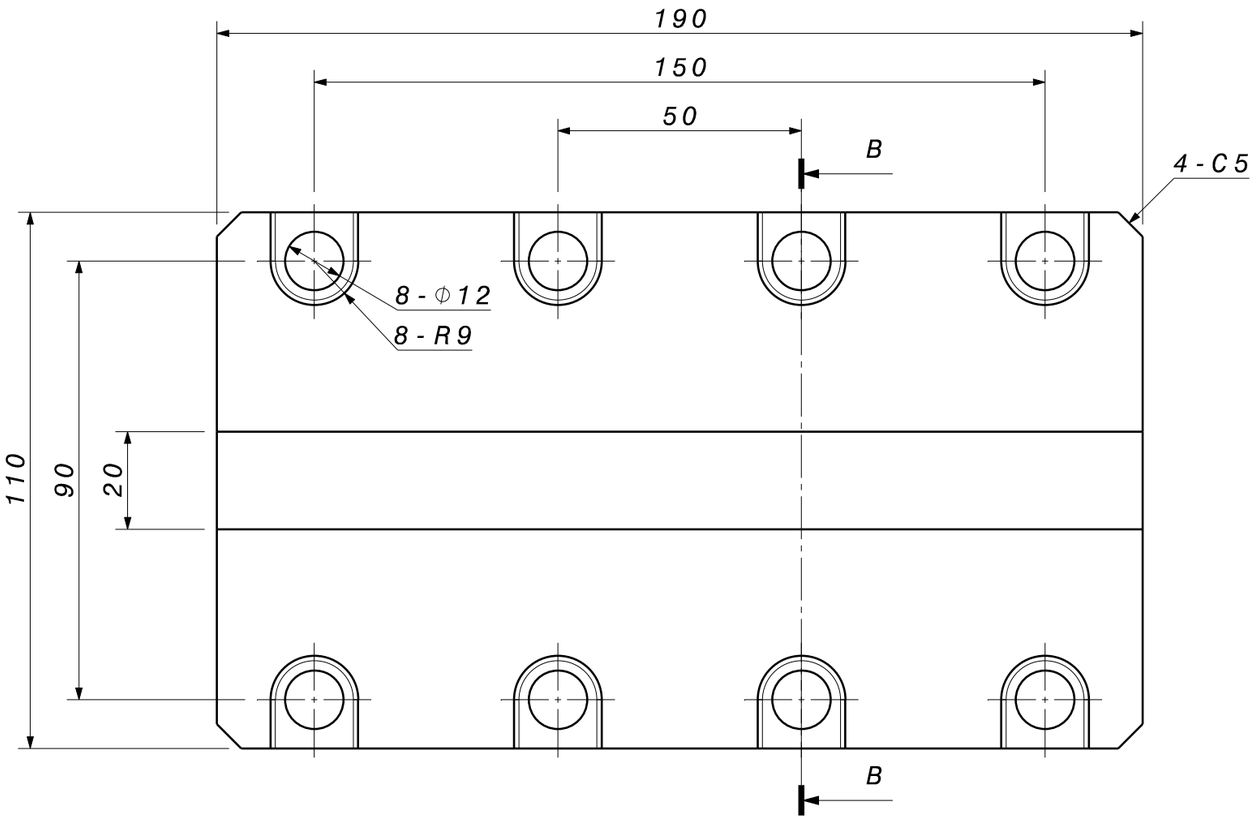
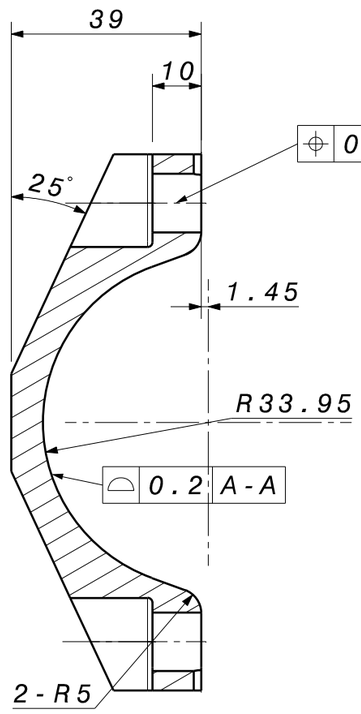
Applied Superconducting Engineering and Technology Division

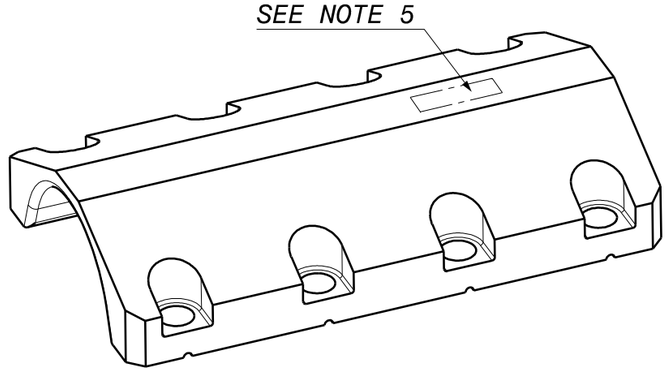
Ra3.2
ALL



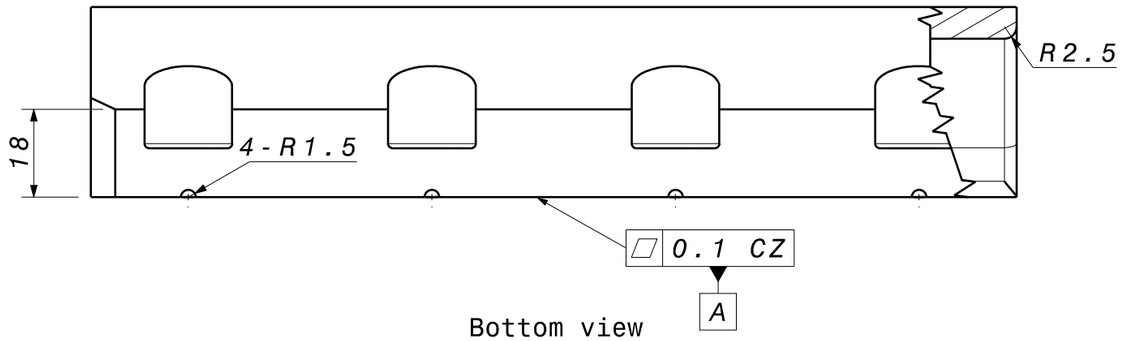
Front view



Section view B-B



Isometric view



Bottom view

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.

RELEASED BY Liangliang GENG	PROJECT NAME CONFIDENTIAL UNLESS AUTHORISED						
APPROVED BY Yu WU	The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						
REVIEWED BY Houxiang HAN							
REPONSIBLE ENGINEER Jing JIN	WHERE TO BE USED UPPER_VS_FEEDER_FOAK						
DESIGNER Zhiyu WANG	DRAWING NAME UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE 420x297 / SCALE	SHEET NAME UPPER_BRACKET_05_UVF#SMFFRU				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER SCC/IED05.11.01	QUANTITY 1	NO.OF SHTS 62	SHEET 74	TIME 05-06-2025	REVISION V1.3	

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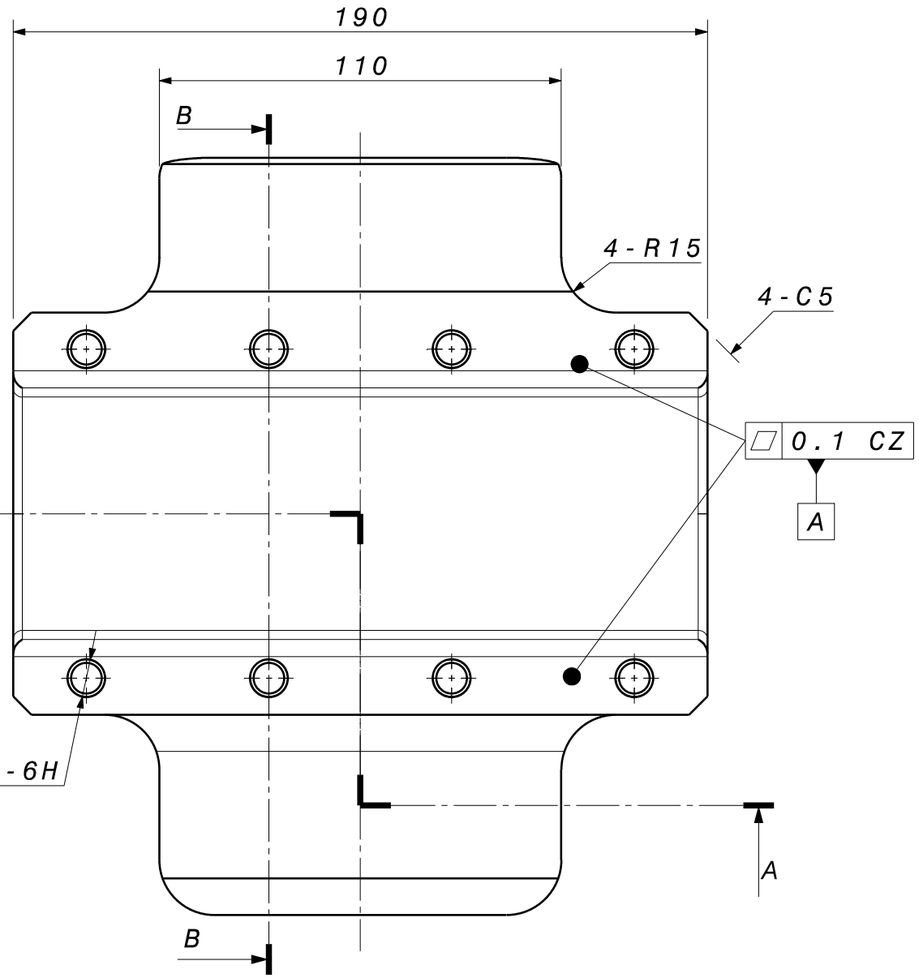
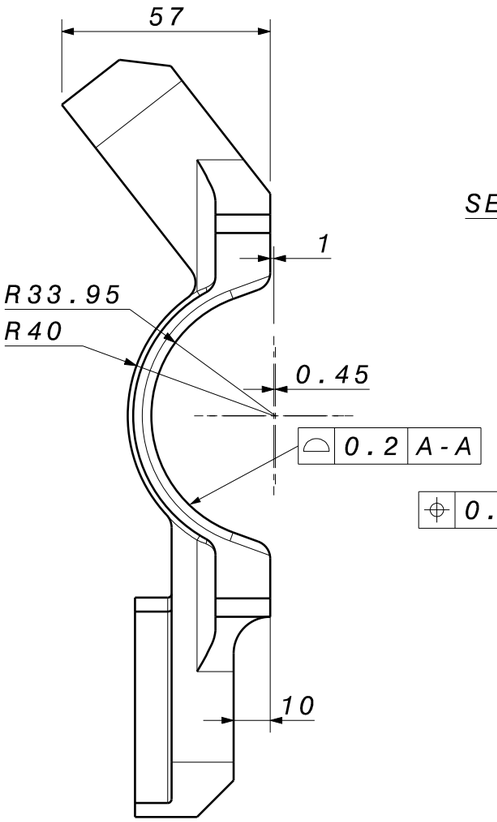
Applied Superconducting Engineering and Technology Division

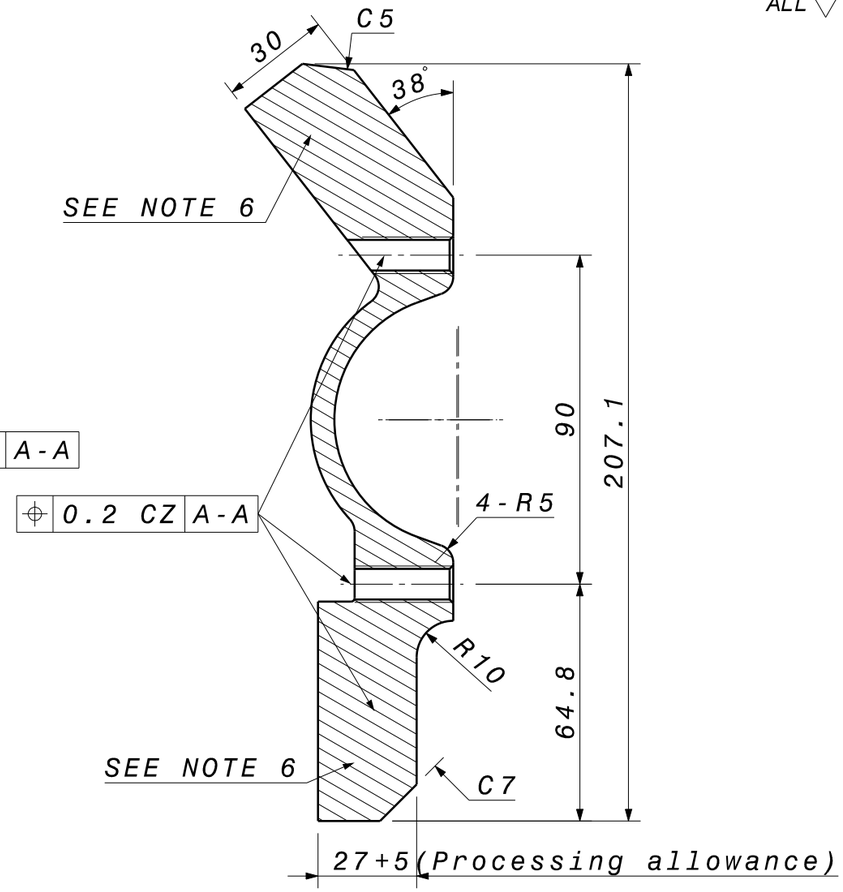


Front view

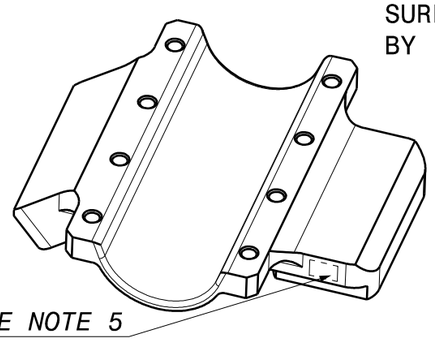
Section view A-A



Left view



Section view B-B

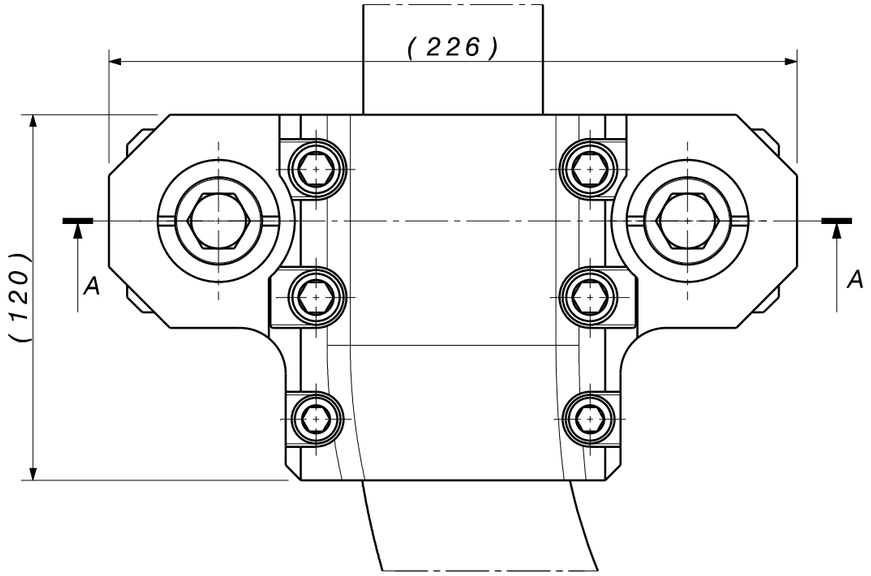


Isometric view

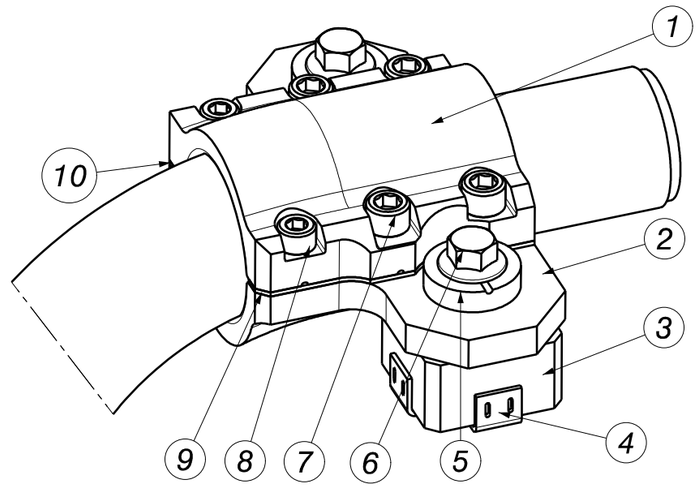
Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE MOUNTING HOLES AND MOUNTING SURFACES OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER.

Ra3.2 ALL

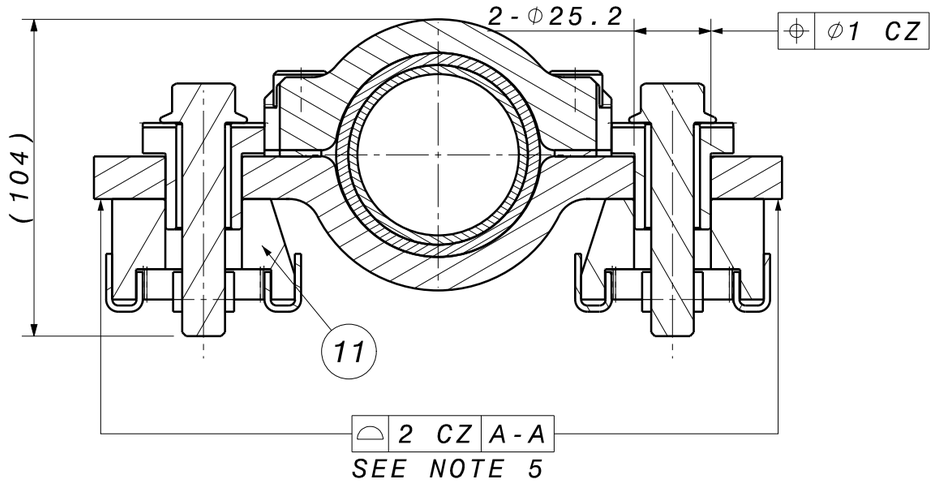
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							
REVIEWED BY: Houxiang HAN							Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_05_UVF#SMFFPV_PROCESSING_DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.11.02	QUANTITY: 1	NO.OF SHTS: 63	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



Front view



Isometric view

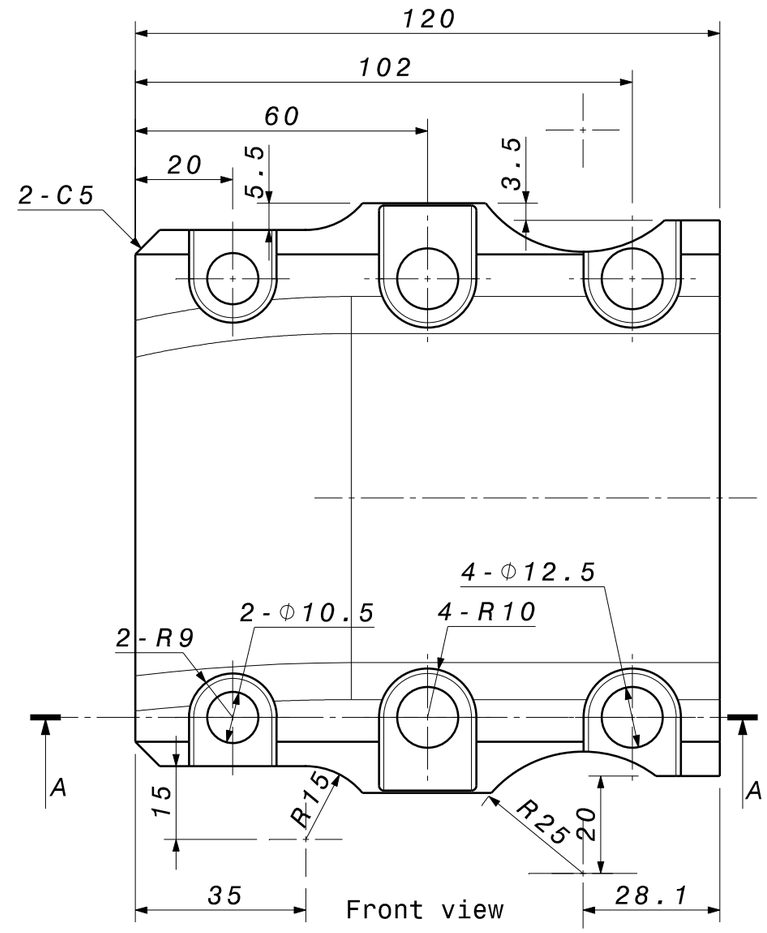


Section view A-A

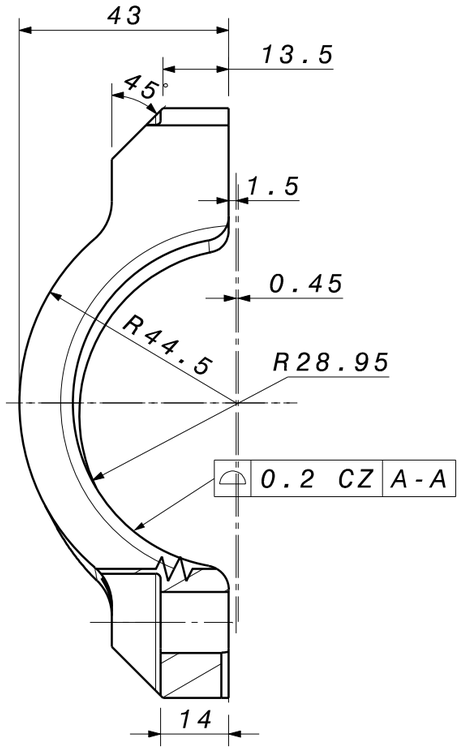
NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.LOWER BRACKET AND CLAMP SURFACES COMBINED ZONE USED TO CREATE REF A (EXCEPT JOINT AREA AND WELDED PARTS),SEE SHEET NUMBER SCC/IED05.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
11	SCC/IED05.12.06	VS_SHIM_40x40_23mm#TWJLB4_04	1	Inconel 718	0.662
10	SCC/IED05.12.05	BRACKET_JOINT_02_UVF_SHIM_02	1	316L	0.03
9	SCC/IED05.12.04	BRACKET_JOINT_02_UVF_SHIM_01	1	316L	0.028
8	/	CYLINDER_HEAD_SCREW_ISO_4762_M10X30 #YT3ZH3	2	Inconel 718	0.066
7	/	CYLINDER_HEAD_SCREW_ISO_4762_M12X30 #XV4PJ9	4	Inconel 718	0.192
6	/	HEXAGON_BOLT_ISO_4162_M14X70-F	2	Inconel 718	0.252
5	SCC/IED05.10.05	VS_TOP_SLEEVE_L25#YR8P9R	2	Inconel 718	0.26
4	SCC/IED05.10.04	IVC_LITTLE_SHIM_2#3DMR4C	8	304L	0.096
3	SCC/IED05.12.03	VS_SHIM_40x40_23mm#TWJLB4_03	1	Inconel 718	0.662
2	SCC/IED05.12.02	LOWER_BRACKET_JOINT_02_UVF#XE726M	1	Inconel 625	2.378
1	SCC/IED05.12.01	UPPER_BRACKET_JOINT_02_UVF#XE728L	1	Inconel 625	1.708

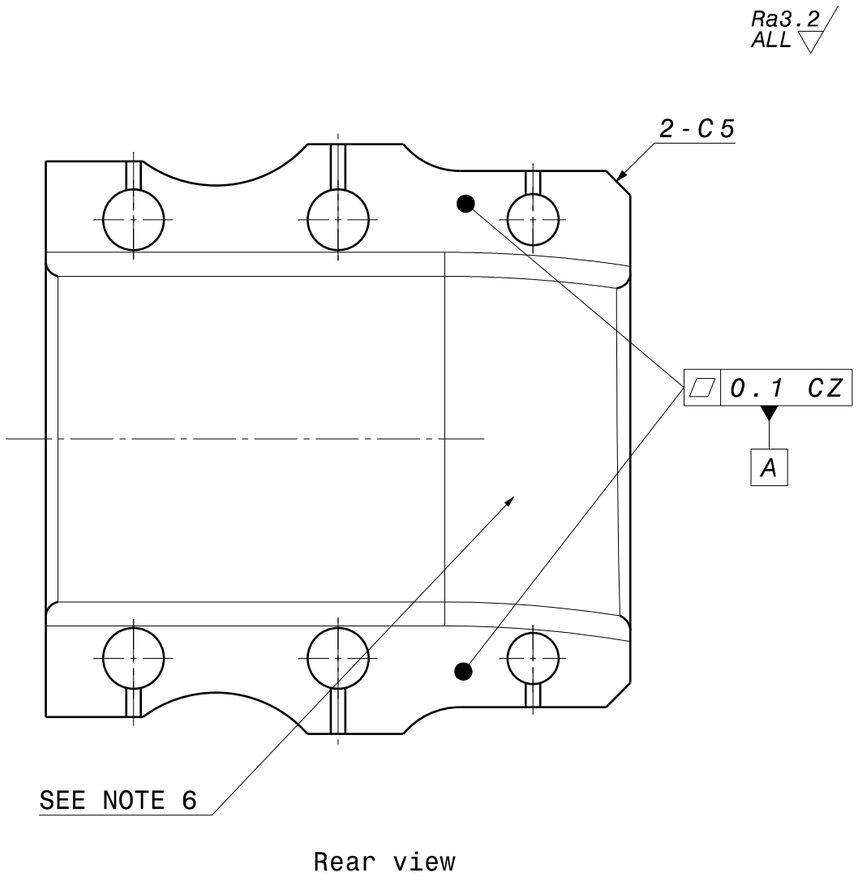
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP
APPROVED BY: Yu WU						
REVIEWED BY: Houxiang HAN						Applied Superconducting Engineering and Technology Division
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK					
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9					
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: IVC_BRACKET_JOINT_02_UVF#WP#XE724J				MATERIAL: /	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.12	QUANTITY: 1	NO.OF SHTS: 65	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3



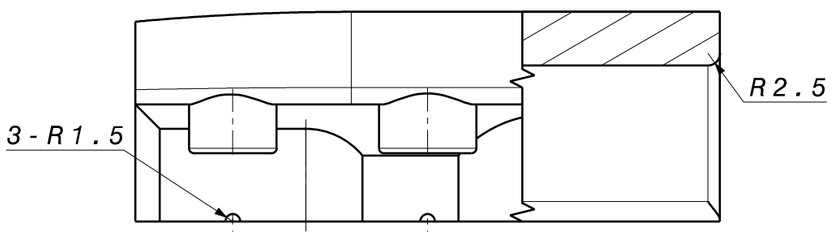
Front view



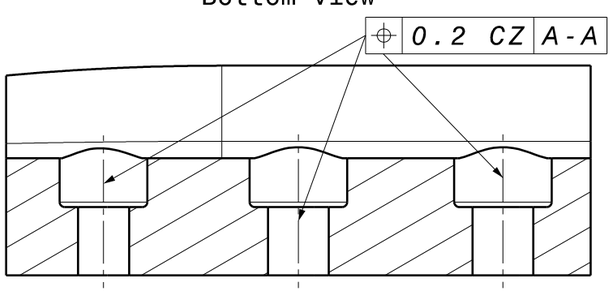
Right view



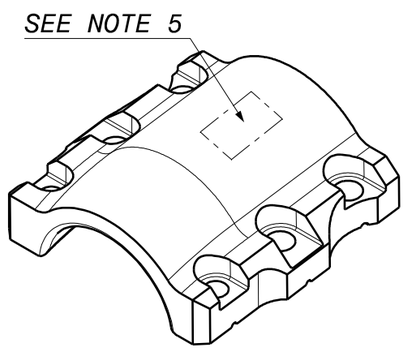
Rear view



Bottom view



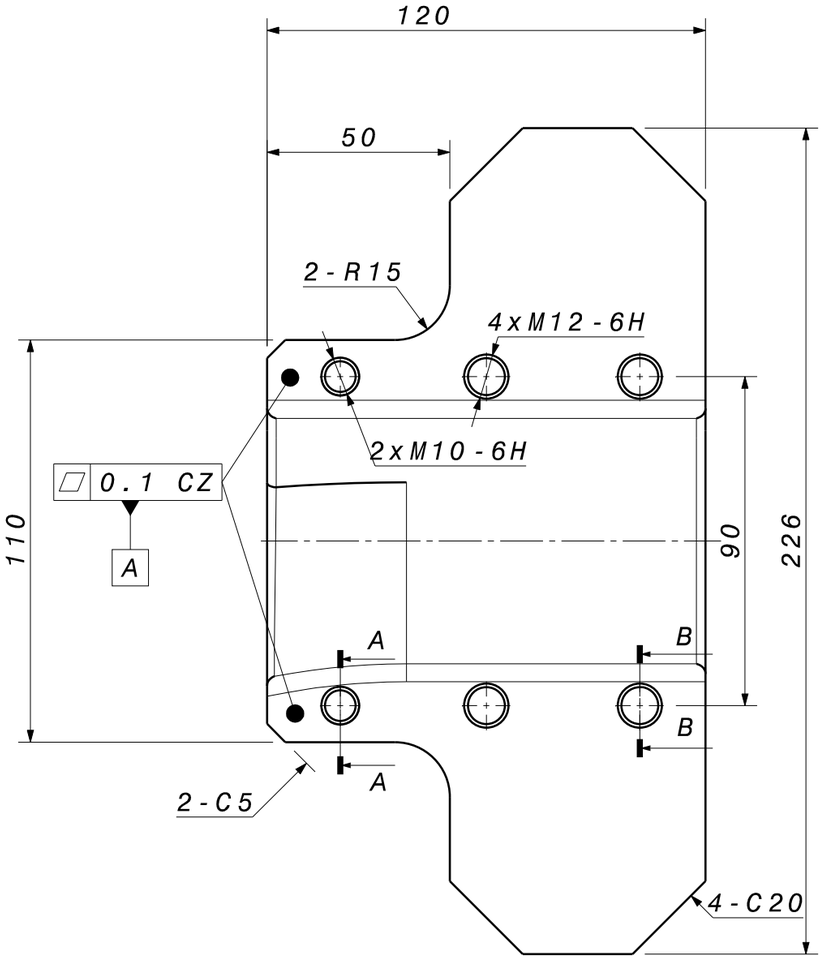
Section view A-A



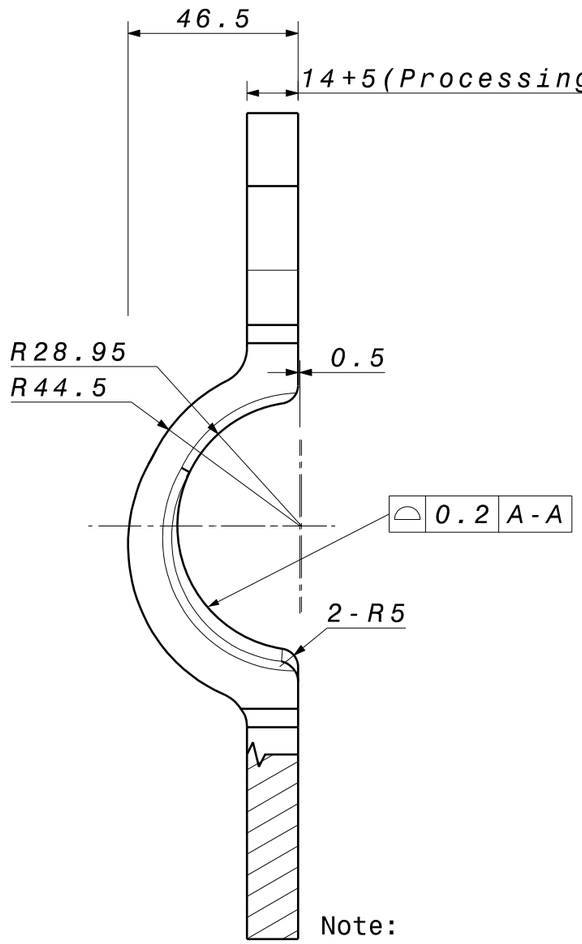
Isometric view

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

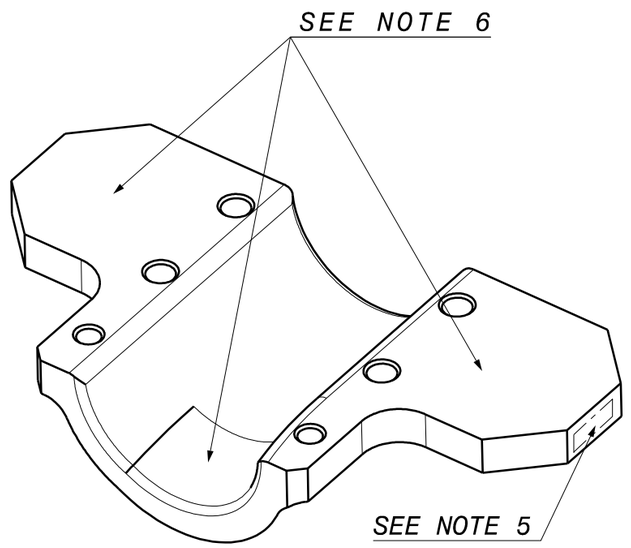
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.						ASIPP
APPROVED BY: Yu WU							*Applied Superconducting Engineering and Technology Division*
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: UPPER_BRACKET_JOINT_02_UVF#XE728L_PROCESSING_DRAWING					MATERIAL: Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.12.01	QUANTITY: 1	NO.OF SHTS: 66	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



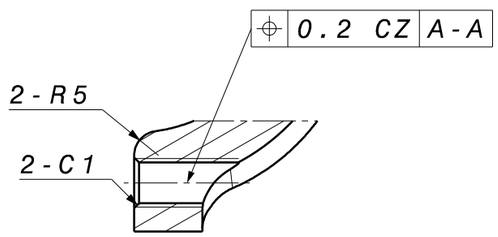
Front view



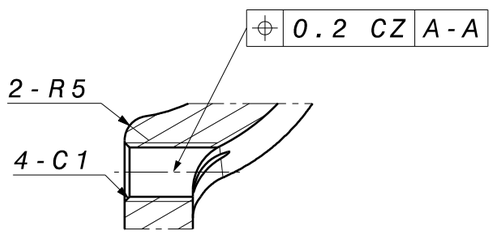
Left view



Isometric view



Section view A-A

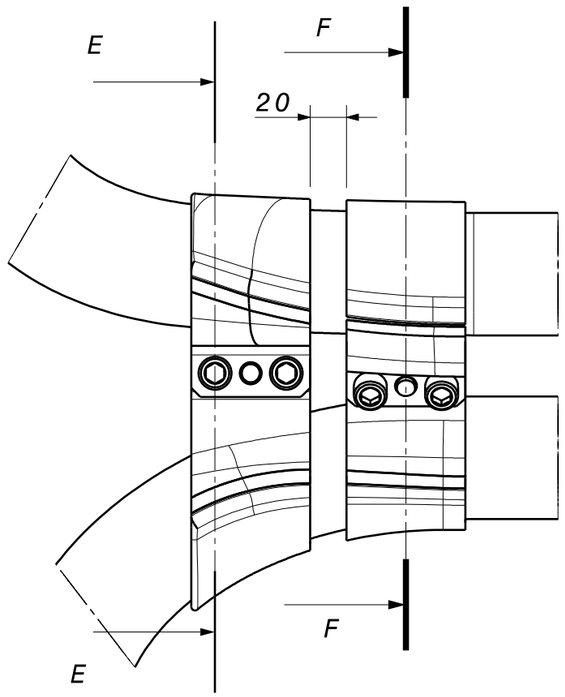


Section view B-B

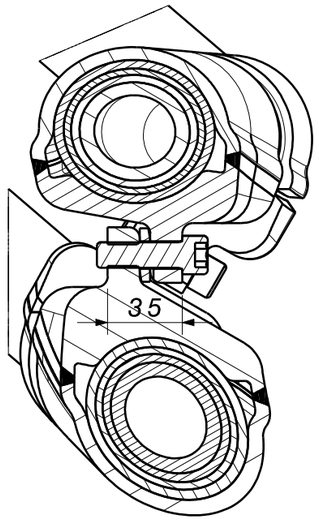
Ra3.2
ALL

Note:
1.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-m&K,UNSPECIFIED PROFILE TOLERANCE: 0.4MM (FULL TOLERANCE ZONE) PER ISO 22081:2021.
2.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURRNO SCARATCH AND ACUTE EDGE CHAMFERED.
3.UNLABELED CHAMFER IS R1.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.AFTER TRIAL ASSEMBLY OF THE UPPER VS FEEDER, THE PART OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO THE RAIL PROVIDED BY ITER, AND THE INNER GROOVE SURFACE OF THE BRACKET WILL BE REVERSE-PROCESSED ACCORDING TO CONDUCTOR.

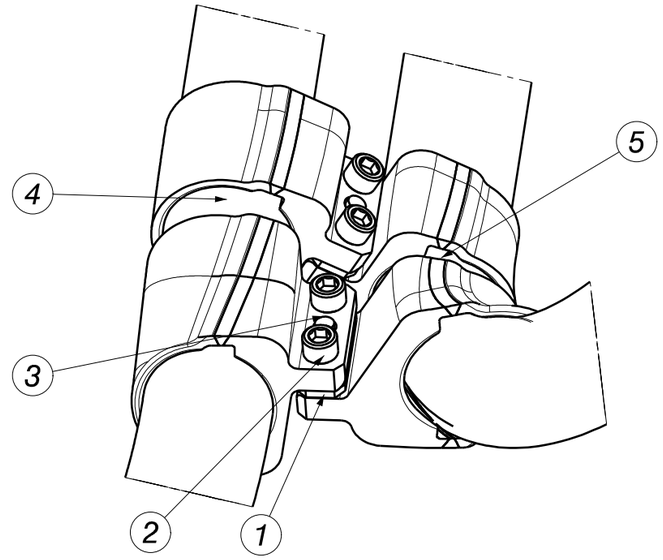
RELEASED BY: Liangliang GENG	PROJECT NAME: CONFIDENTIAL UNLESS AUTHORISED. The information on this drawing is confidentialunder the terms of the ASIPP agreement.Thisinformation shall not be transmitted to anyonewho is not authorised to receive it.					ASIPP	
APPROVED BY: Yu WU						Applied Superconducting Engineering and Technology Division	
REVIEWED BY: Houxiang HAN							
REPONSIBLE ENGINEER: Jing JIN	WHERE TO BE USED: UPPER_VS_FEEDER_FOAK						
DESIGNER: Zhiyu WANG	DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9						
SHEET SIZE: 420x297 / SCALE: /	SHEET NAME: LOWER_BRACKET_JOINT_02_UVF#XE726M_PROCESSING_DRAWING				MATERIAL	Inconel 625	
THIRD ANGLE PROJECTION	SHEET NUMBER: SCC/IED05.12.02	QUANTITY: 1	NO.OF SHTS: 67	SHEET: 74	TIME: 05-06-2025	REVISION: V1.3	



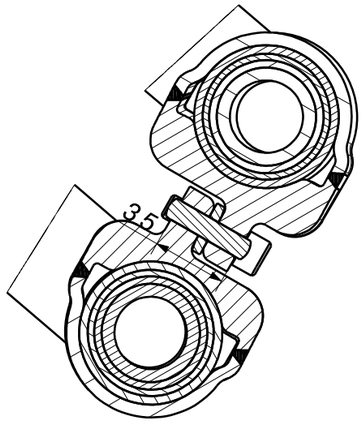
Front view



Section view E-E



Isometric view



Section view F-F

NOTE:
1.THIS DRAWING IS USED TO EXPRESS THE ASSEMBLY RELATIONSHIP BETWEEN THE PART AND THE CONDUCTOR
2.THE GENERAL DIMENSION TOLERANCE RAFER TO ISO 2768-M&K.
3.THE SURFACE SHALL BE SMOOTH AND CLEAN,NO BURR,NO SCARATCH AND ACUTE EDGE CHAMFERED.
4.DIMENSIONS NOT PRESENT ARE ACCORDING TO 3D FILE.
5.THE PART NAME AND S/N ARE MAKED IN THE SUITABLE LOCATION.
6.DURING INSTALLATION, A LASER TRACKER IS USED TO ASSIST IN POSITIONING, AND AFTER INSTALLATION, THE INSTALLATION POSITION IS VERIFIED.

ITEM	DRAWING NUMBER	NAME	QUANTITY	MATERIAL	Weight(kg)
5	SCC/IED05.03	IVC_CONDUCTOR_TOP_UVF_ASSY#WP#XTU29Q	1	/	/
4	SCC/IED05.02	IVC_CONDUCTOR_BOTTOM_UVF_ASSY#WP#XTU2A3	1	/	/
3	/	CYLINDER_HEAD_SCREW_ISO_4762_M12X40#YLN88V	4	Inconel 718	0.232
2	SCC/IED05.13.02	WUERTH_026701040_CYLINDER_PIN_DIN_7_10M6X40_A1_BLK	2	Inconel 718	0.054
1	SCC/IED05.13.01	SHIM_X_CLAMP#YT4AMY	2	Inconel 718	0.094

RELEASED BY: Liangliang GENG
APPROVED BY: Yu WU
REVIEWED BY: Houxiang HAN
REPONSIBLE ENGINEER: Jing JIN
DESIGNER: Zhiyu WANG
SHEET SIZE: 420x297
SCALE: /
THIRD ANGLE PROJECTION

PROJECT NAME
CONFIDENTIAL UNLESS AUTHORISED

WHERE TO BE USED: UPPER_VS_FEEDER_FOAK
DRAWING NAME: UPR_VS_FEEDER#WP#SH4LV9
SHEET NAME: IVC_CONDUCTOR_TOP&BOTTOM_UVF_ASSY

ASIPP
Applied Superconducting Engineering and Technology Division

MATERIAL: /

SHEET NUMBER	QUANTITY	NO.OF SHTS	SHEET	TIME	REVISION
SCC/IED05.13	1	72	74	05-06-2025	V1.3