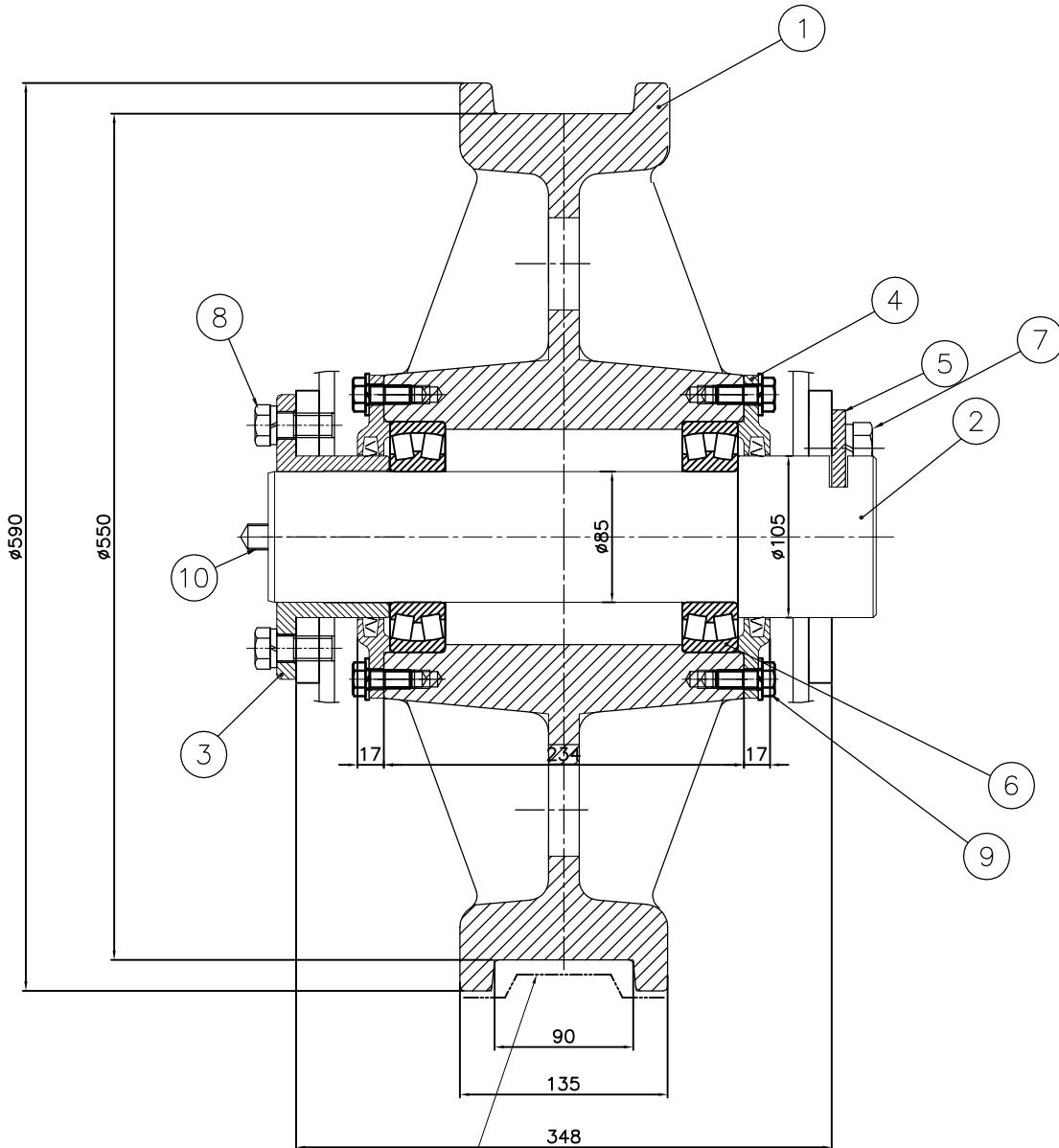


HIGH FREQUENCY HEAT TREATMENT  
 (高周波熱處理)  
 DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

14	BUSH	S45CN	6		GFK-19-500-BU
13	BOLT.SW	8T	6		M20X80
12	BOLT.SW	8T	6		M20X60
11	GREASE NIPPLE	PUR-CHASE	2		PT 3/8"
10	BOLT.SW	4T	24		M12x30
9	BOLT.SW	4T	8		M16X30
8	BOLT.SW	4T	4		M16X25
7	BEARING	PUR-CHASE	4		#22217
6	KEY PLATE	SS400	2		GFK-19-K
5	BEARING COVER	FC20	4		GFK-19-500-BC
4	COLLAR	FCD40	2		GFK-19-500-C
3	SHAFT	S45CN	2		GFK-19-500-S
2	WHEEL GEAR	SC49	2		GFK-19-500-WG
1	DRIVING WHEEL	SCMn2A	2		GFK-19-550-DW
1	ASS'Y OF DRIVING WHEEL		1		
NO.	DESCRIPTIONS	MT'L	SET EA UNIT	TOTAL	REMARKS
			QT'Y	WEIGHT KG	DATE
PROJECT	GIPFEL KOREA STANDARD				2024.01
TITLE	GFK-550Ø DRIVING WHEEL ASS'Y				SCALE N/S
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.	
KIM. J. H			KIM. M. C		
SHEET NO.			SHEET NO.		
GIPFEL			GFK-19-550-DWA		



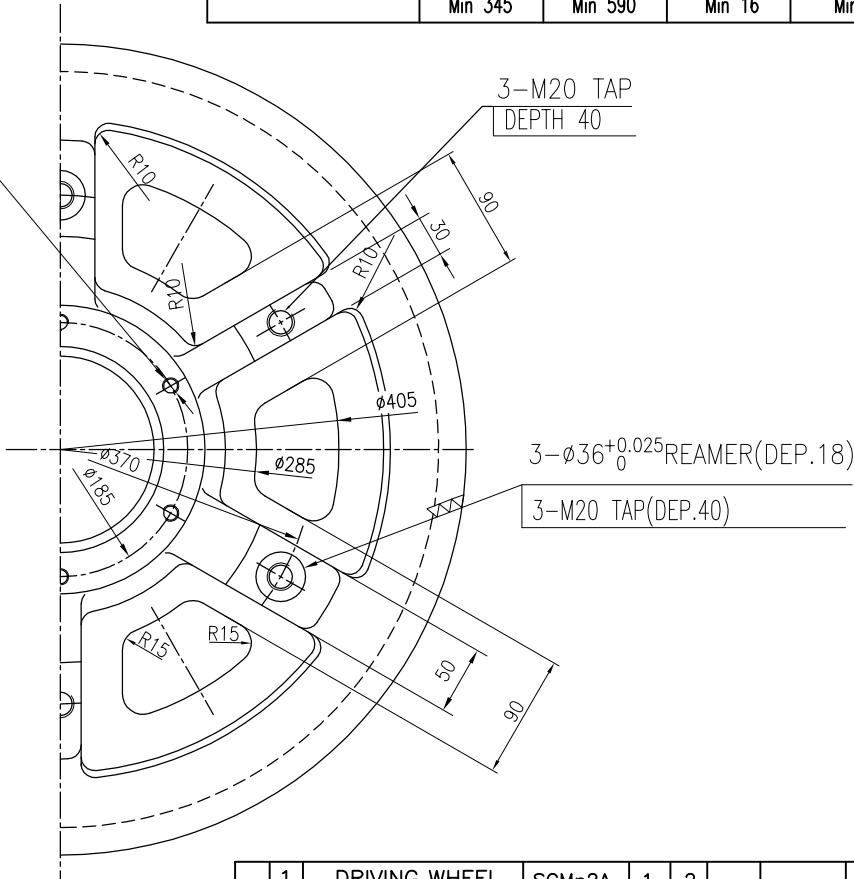
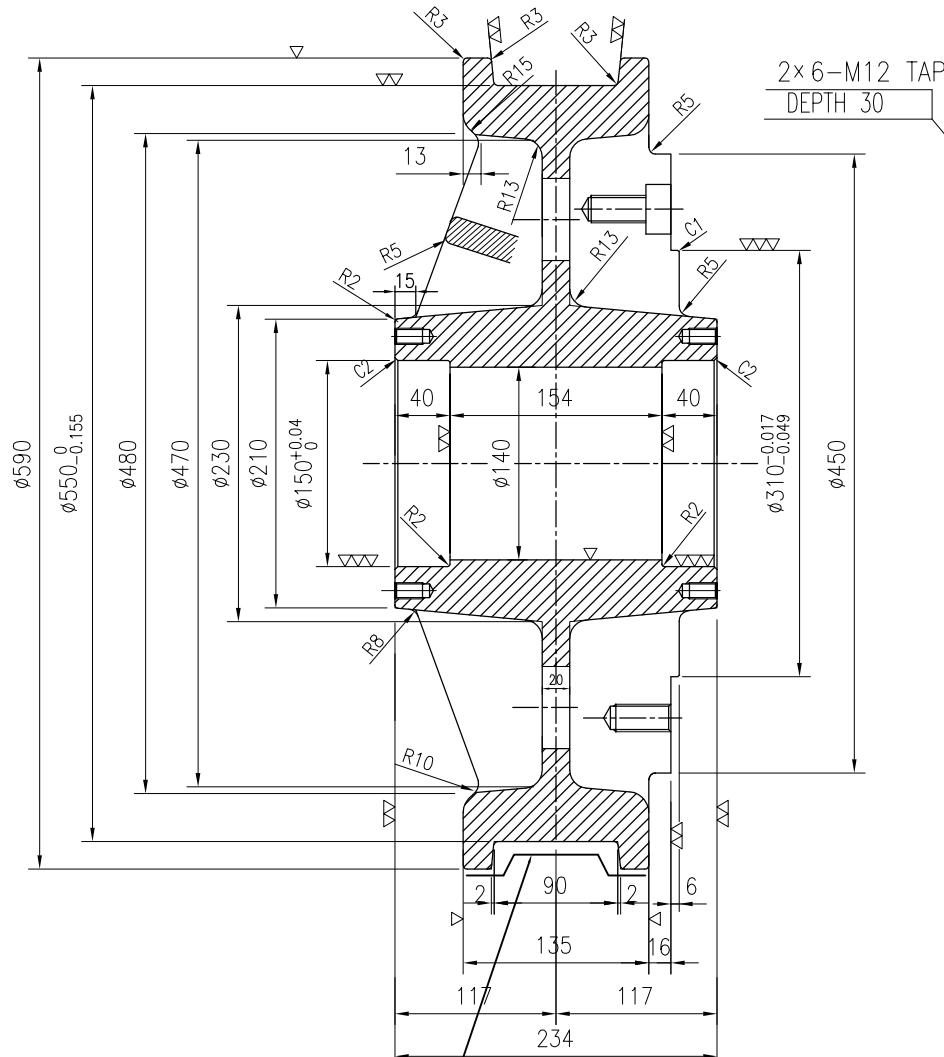
HIGH FREQUENCY HEAT TREATMENT  
 (高周波熱處理)  
 DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

10	GREASE NIPPLE	PURCHASE	2		PT 3/8"
9	BOLT.SW	4T	24		M12x30
8	BOLT.SW	4T	8		M16x30
7	BOLT.SW	4T	4		M16x25
6	BEARING	PURCHASE	4		#22217
5	KEY PLATE	SS400	2		GFK-19-K
4	BEARING COVER	FC20	4		GFK-19-500-BC
3	COLLAR	FCD40	2		GFK-19-500-C
2	SHAFT	S45CN	2		GFK-19-500-S
1	FOLLOWING WHEEL	SCMn2A	2		GFK-19-550-FW
1	ASS'Y OF FOLLOWING WHEEL		1		
NO.	DESCRIPTIONS	MT'L	SET EA	UNIT	TOTAL
			QTY		WEIGHT KG
PROJECT GIPFEL KOREA STANDARD					REMARKS
					DATE
					2024.01
TITLE GFK-550Ø					SCALE
FOLLOWING WHEEL ASS'Y					N/S
DRAWN		DESIGNED	CHECKED	APPROVED	REF DRAWING.
KIM. J. H				KIM. M. C	
GIPFEL		SHEET NO.	SHEET NO.		
			GFK-19-550-FWA		

### MATERIAL SPECIFICATION

Material	JIS G 5111 SCMn2A				
	C	Si	Mn	P	S
Material Composition	0.25~0.35	0.30~0.60	1.00~1.60	0.040 I	0.040 I
Mechanical Specification	Y.P (Yield point)	T.S (Tensile strength)	E.L (Elongation)	R.P (Reduction of area)	HARDNESS
	MPa	MPa	%	%	HB
	Min 345	Min 590	Min 16	Min 35	Min 163

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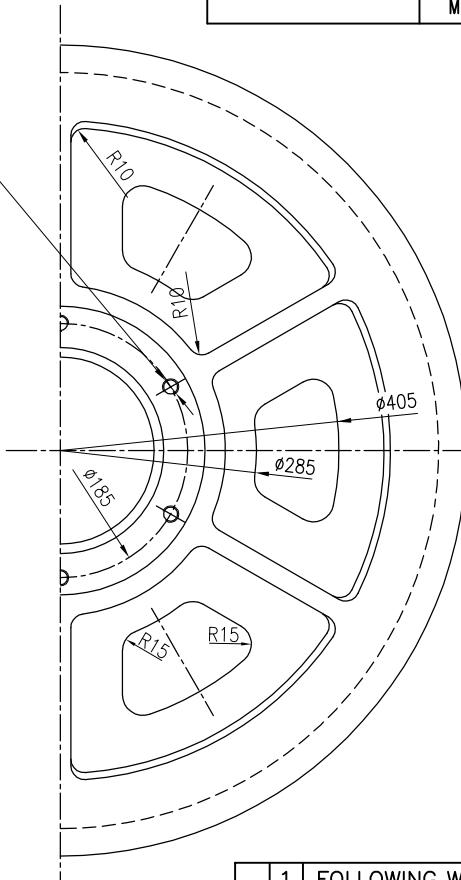
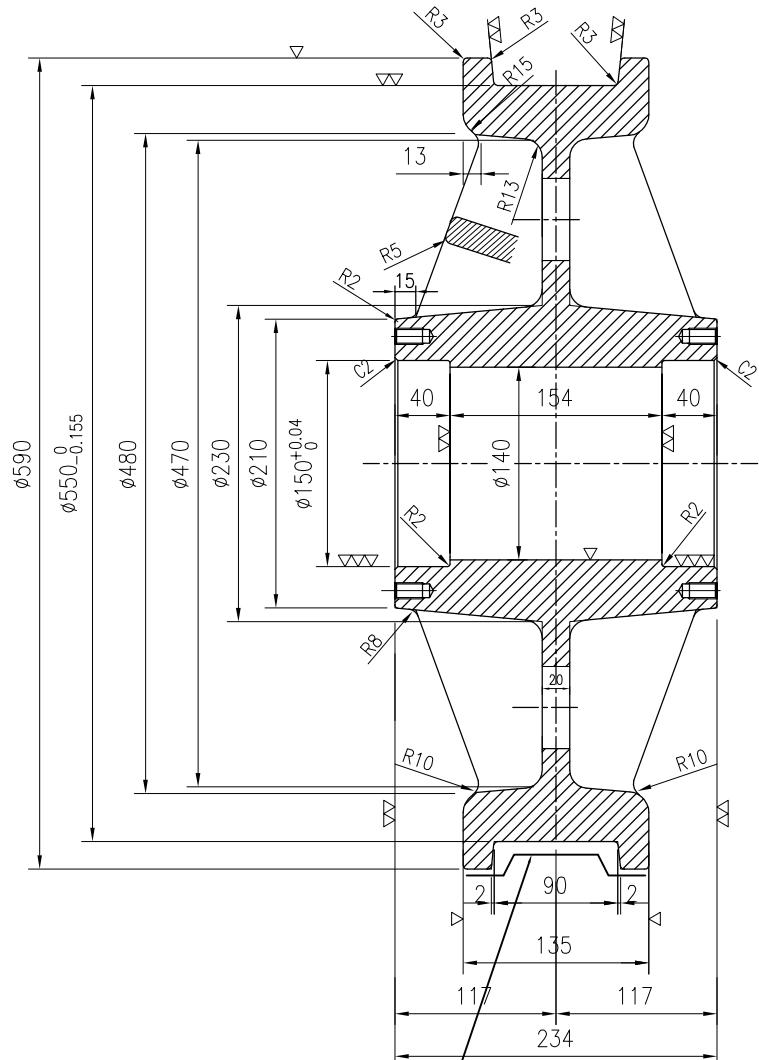


NO.	DESCRIPTIONS	MT'L	1	2	TOTAL	REMARKS	
			SET	EA	UNIT	QTY	WEIGHT KG
PROJECT	GIPFEL KOREA STANDARD					DATE	
						2024.01	
TITLE	GFK-550φ					SCALE	
	DRIVING WHEEL					1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM.J.H					KIM.M.C		
		SHEET NO.	SHEET NO. GFK-19-550-DW				

## MATERIAL SPECIFICATION

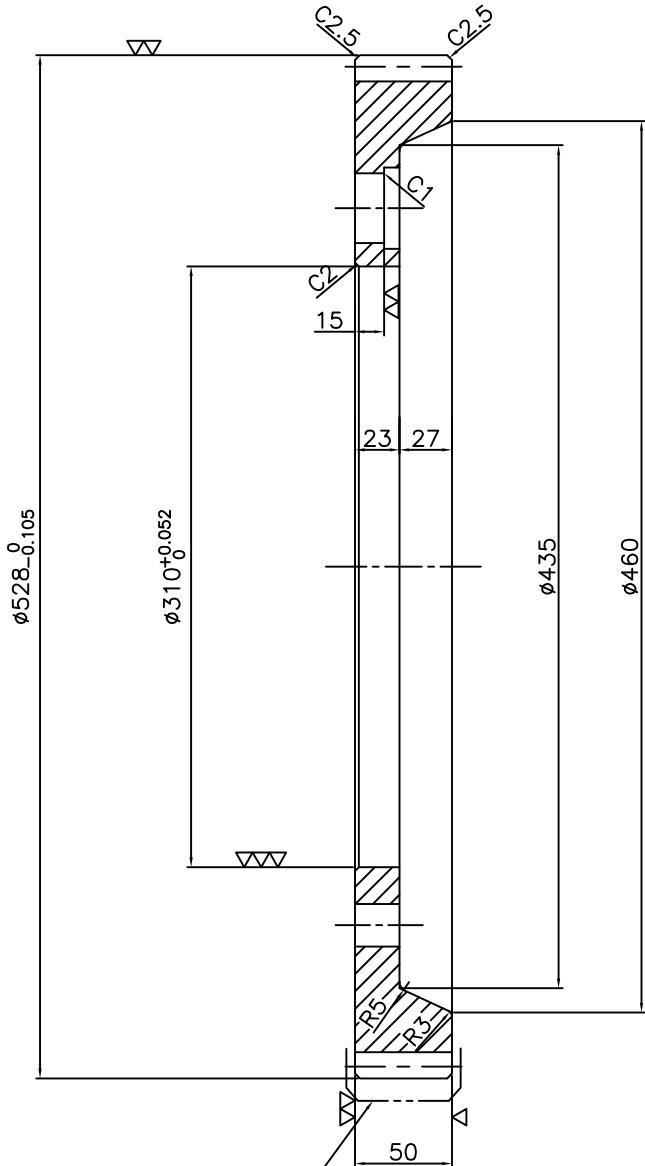
Material	JIS G 5111 SCMn2A				
	C	Si	Mn	P	S
Material Composition	0.25~0.35	0.30~0.60	1.00~1.60	0.040 I	0.040 I
Mechanical Specification	Y.P (Yield point)	T.S (Tensile strength)	E.L (Elongation)	R.P (Reduction of area)	HARDNESS
	MPa	MPa	%	%	HB
	Min 345	Min 590	Min 16	Min 35	Min 163

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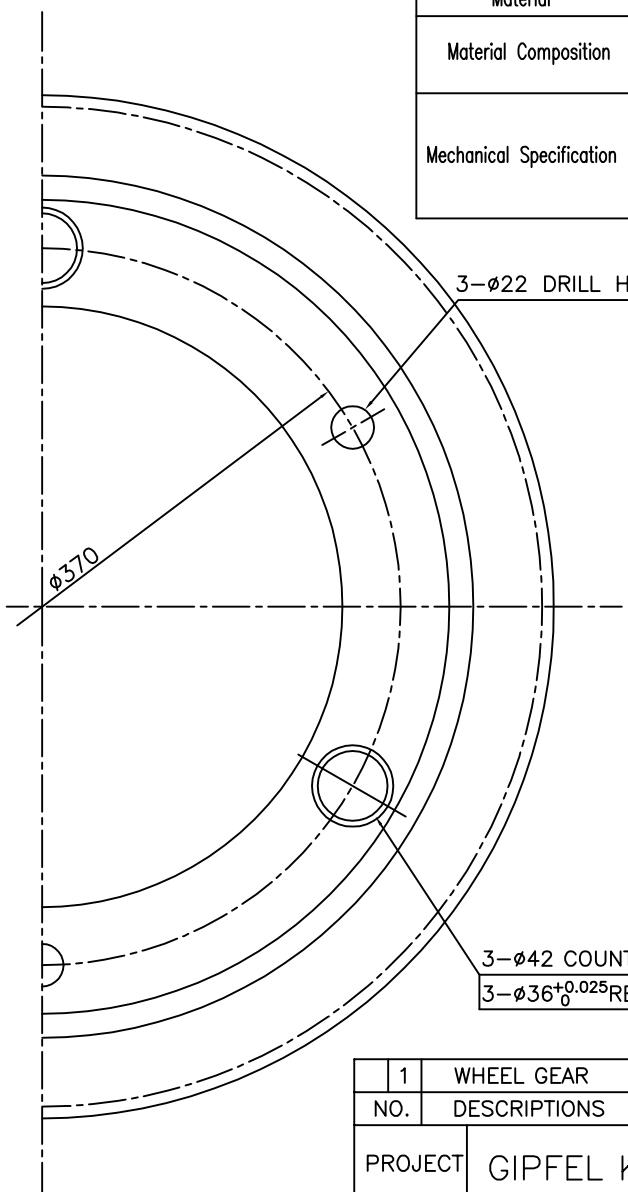
NO.	DESCRIPTIONS	MT'L	1	2	TOTAL	REMARKS	
			SET	EA	UNIT	WEIGHT KG	
PROJECT	GIPFEL KOREA STANDARD					DATE 2024.01	
TITLE	GFK-550Ø FOLLOWING WHEEL					SCALE 1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM.J.H			KIM.M.C				
		SHEET NO.	SHEET NO. GFK-19-550-FW				

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GEAR TEETH HIGH FREQUENCY  
HEAT TREATMENT(高周波熱處理)  
HARDNESS : HS 55~65

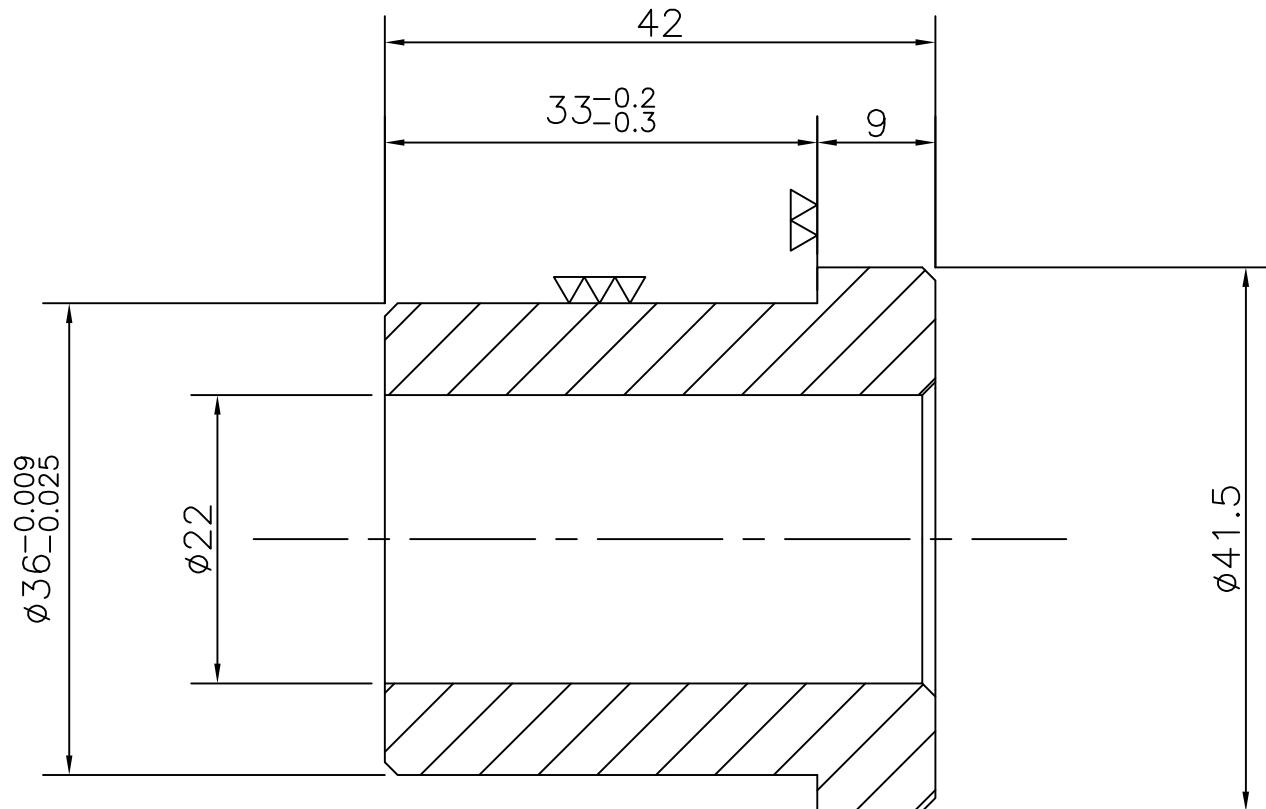
MATERIAL SPECIFICATION				
Material	JIS G 5101 SC49(SC480)			
Material Composition	C	P	S	
	0.4	0.040	0.040	
Mechanical Specification	Y.P (Yield point)	T.S (Tensile strength)	E.L (Elongation)	R.P (Reduction of area)
	MPa	MPa	%	%
	Min 245	Min 480	Min 17	Min 25



GFK-500, GFK-550 겸용

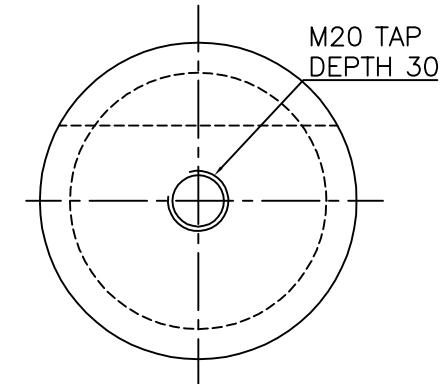
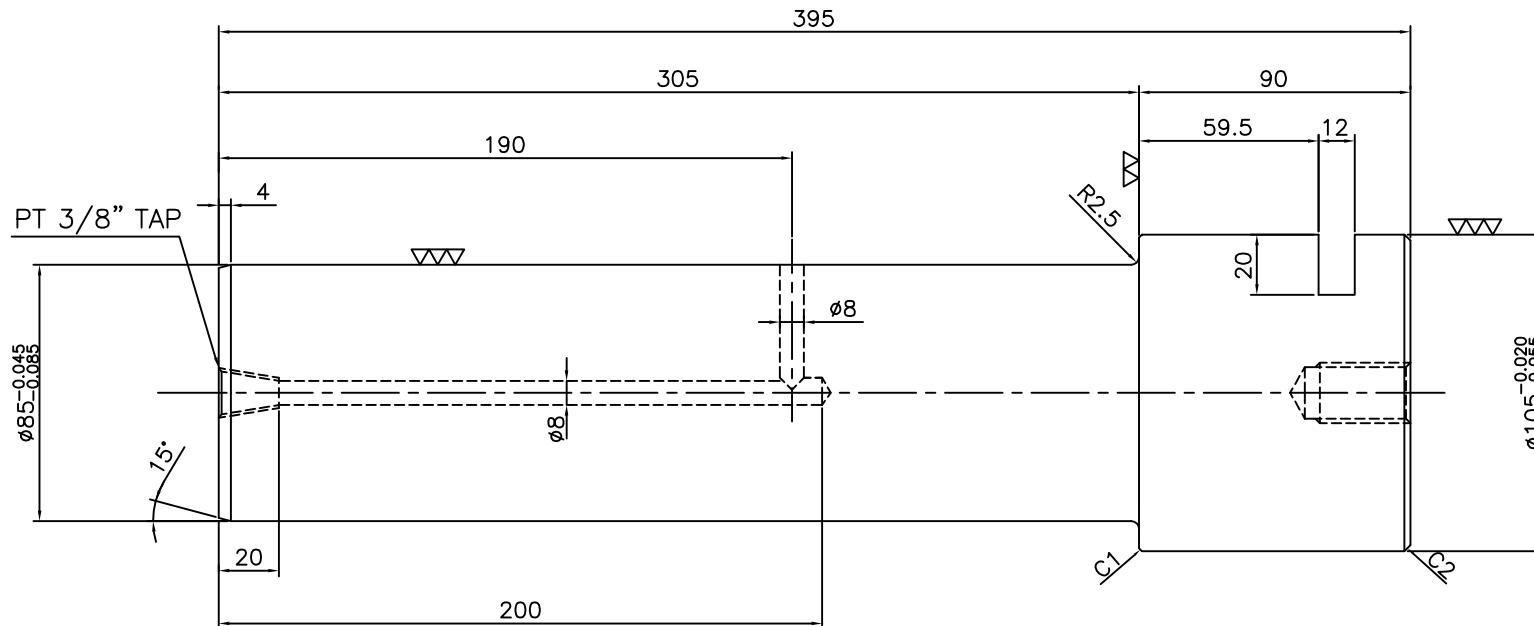
1	WHEEL GEAR	SC49	1	2			
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY			WEIGHT KG	
PROJECT	GIPFEL KOREA STANDARD						DATE 2024.01
TITLE	GFK-500Ø						SCALE 1:1
	WHEEL GEAR						
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
 <b>GIPFEL</b>			SHEET NO.	SHEET NO. GFK-19-500-WG			

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NO.	DESCRIPTIONS	MT'L	1	6	TOTAL WEIGHT KG	REMARKS	
			SET	EA	UNIT		
PROJECT	GIPFEL KOREA STANDARD					DATE 2024.01	
TITLE	GFK-500φ BUSH					SCALE 1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
		SHEET NO.	SHEET NO. GFK-19-500-BU				

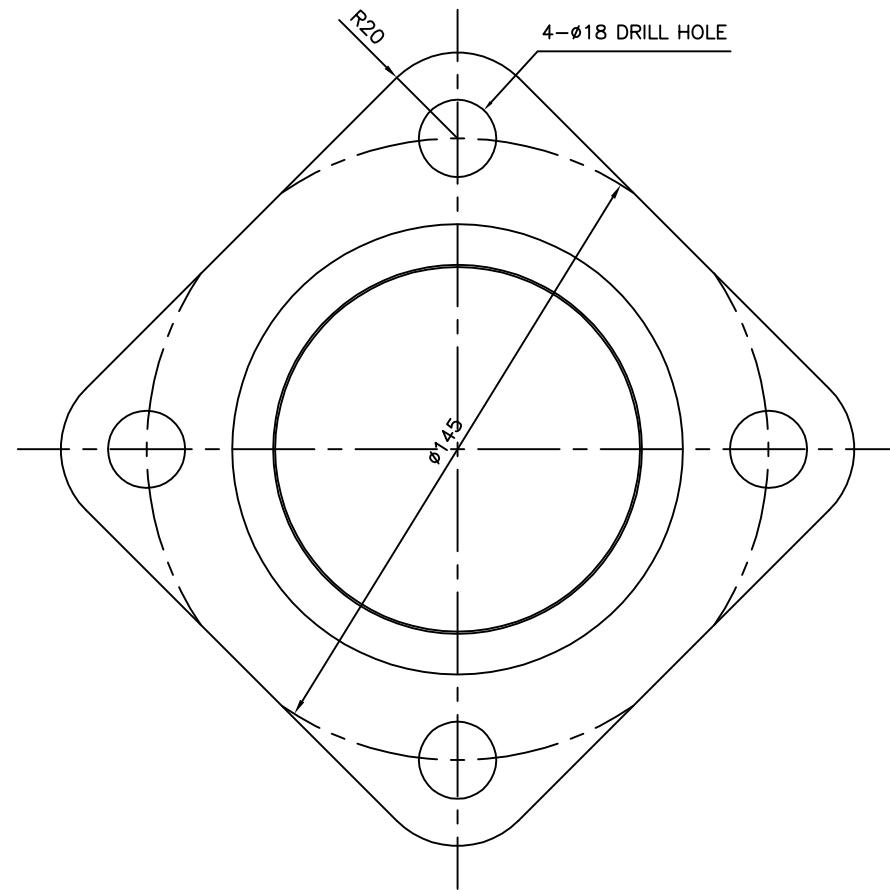
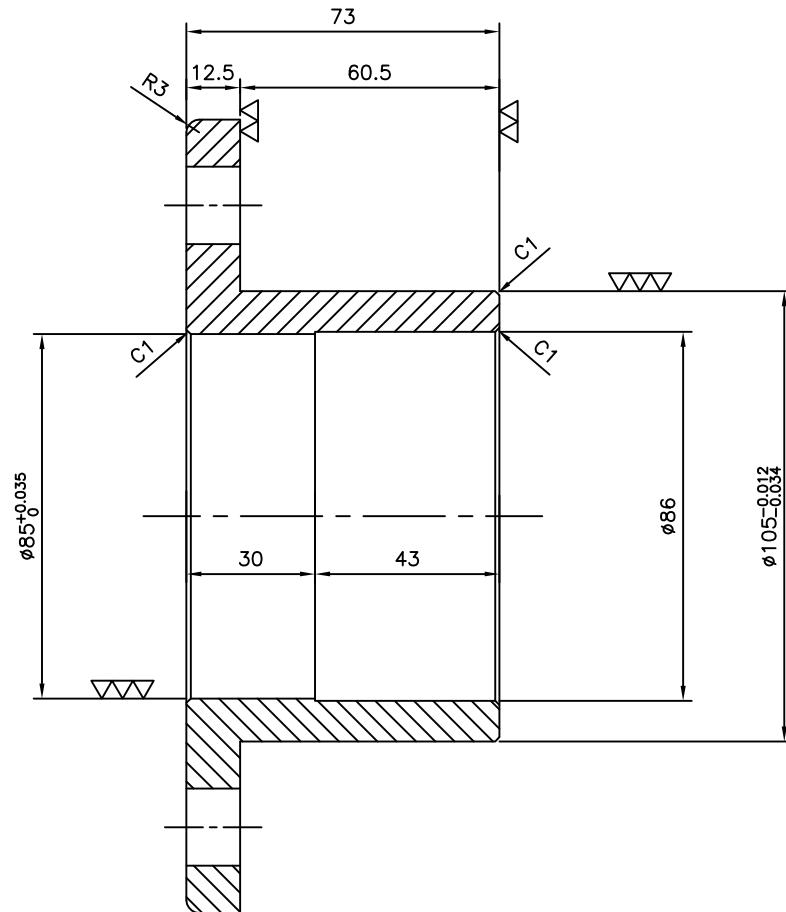
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NO.	DESCRIPTIONS	MT'L	1	SHAFT	S45CN	1	4			REMARKS	
			SET QTY	EA	UNIT	TOTAL			WEIGHT KG		
PROJECT	GIPFEL KOREA STANDARD								DATE		
									2024.01		
TITLE	GFK-500Ø SHAFT						SCALE				
							1:1				
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.							
KIM. J. H			KIM. M. C								
				SHEET NO.	SHEET NO.						
					GFK-19-500-S						

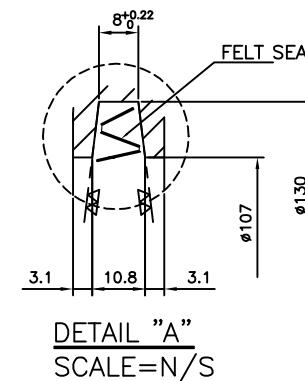
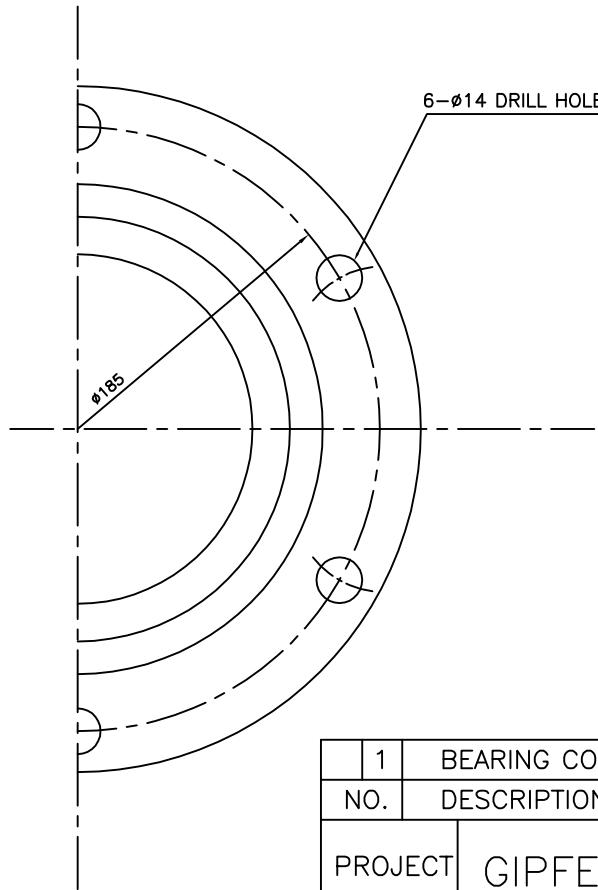
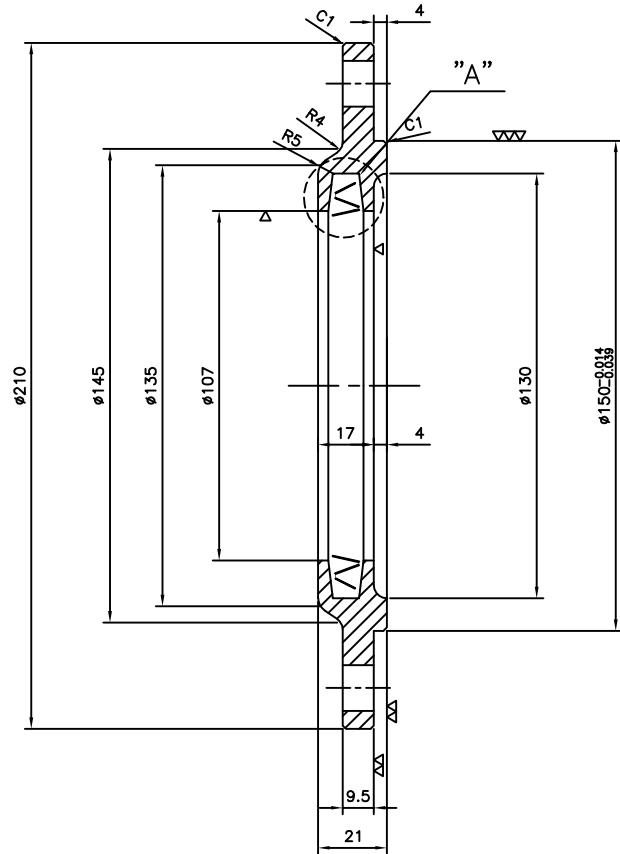
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GFK-500, GFK-550 겸용

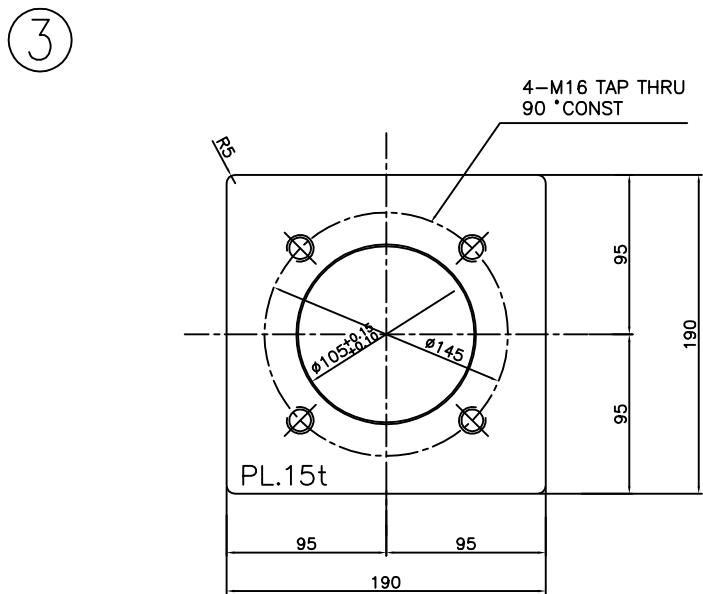
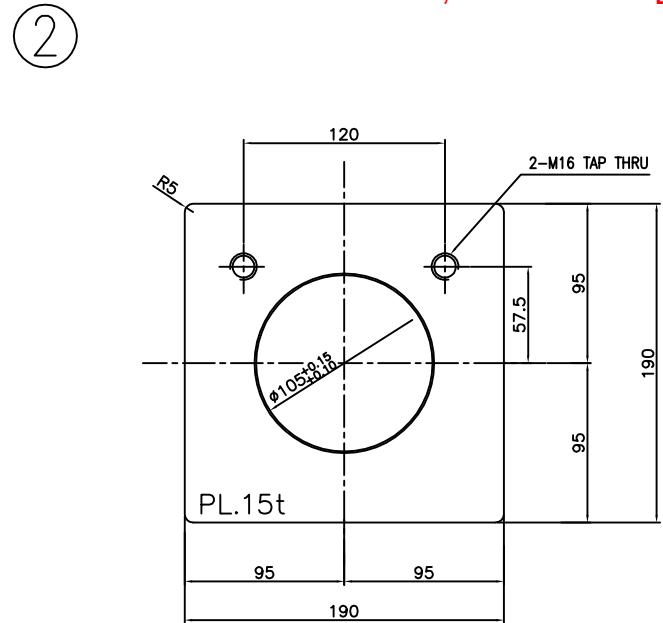
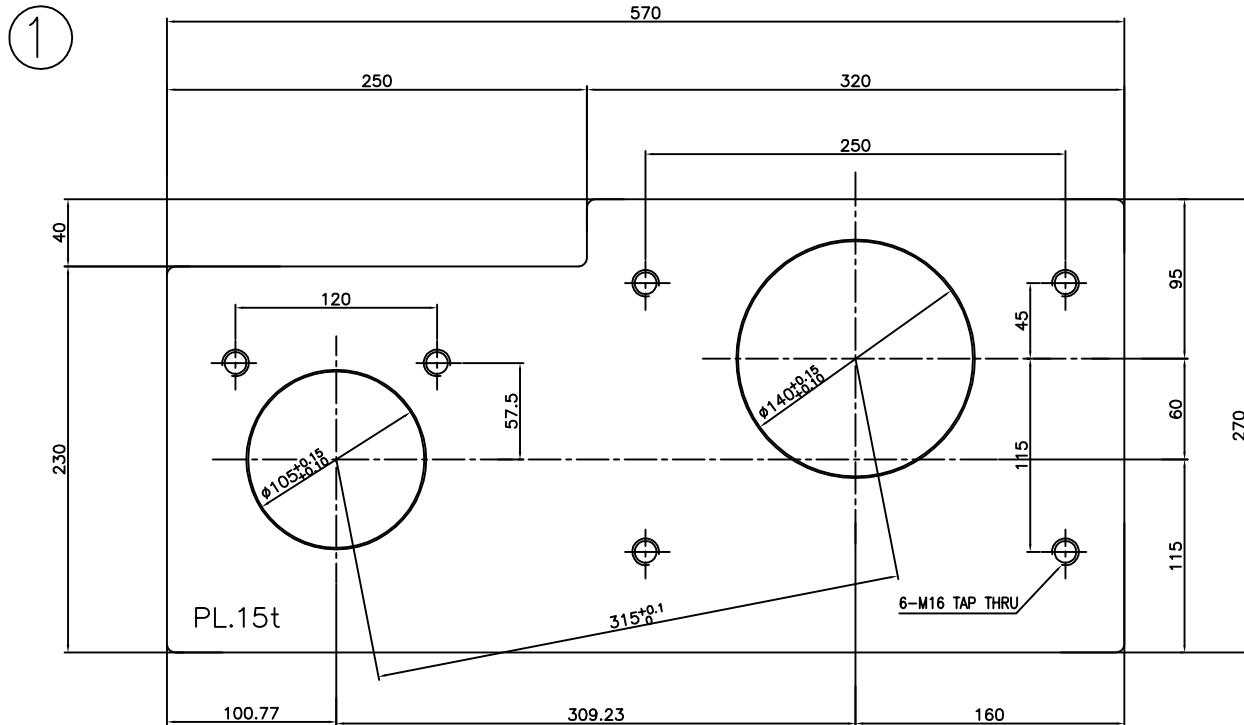


1	COLLAR	FCD40	1	4				
NO.	DESCRIPTIONS	MT'L	SET QTY	EA UNIT	UNIT WEIGHT KG	TOTAL	REMARKS	
PROJECT	GIPFEL KOREA STANDARD						DATE	
TITLE	GFK-500Ø						SCALE	
	COLLAR						1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
 <b>GIPFEL</b>			SHEET NO.	SHEET NO.				
				GFK-19-500-C				

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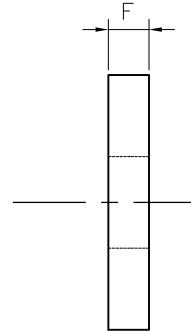
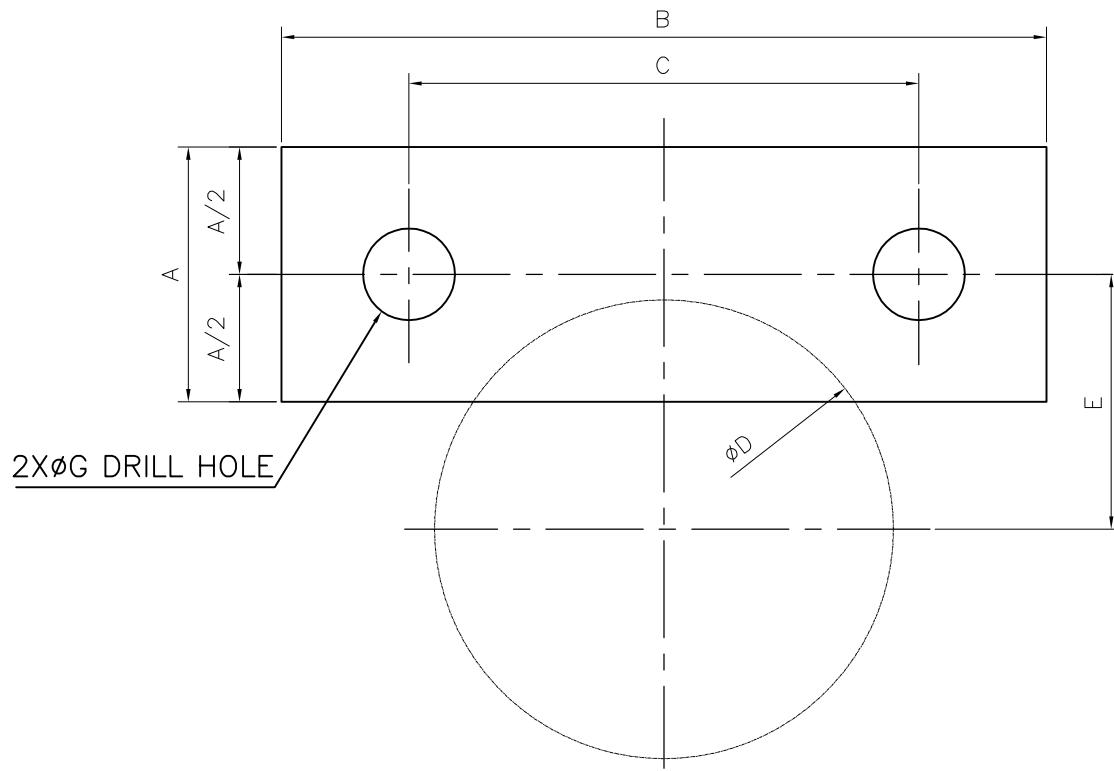


NO.	DESCRIPTIONS	MT'L	1	8	UNIT	TOTAL	REMARKS			
			SET	EA						
PROJECT	GIPFEL KOREA STANDARD						DATE 2024.01			
TITLE	GFK-500φ BEARING COVER						SCALE 1:1			
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.						
KIM. J. H			KIM. M. C							
			SHEET NO.	SHEET NO. GFK-19-500-BC						



NOTE  
BREAK ALL SHARP EDGES OF HOLE C1

NO.	DESCRIPTIONS	MT'L	3	COLLAR PLATE	SS400	4			15t
			SET QTY	EA	UNIT	TOTAL	WEIGHT KG	REMARKS	DATE
1	PLATE		1						2024.01
									SCALE
									1:1
			DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.		
			KIM. J. H				KIM. M. C		
					SHEET NO.			SHEET NO.	
									GFK-19-500-P



WHEEL NOTATION	A	B	C	D	E	F	G
Ø160	38	120	80	60	35	9	14
Ø200	38	120	80	70	40	9	14
Ø250	38	120	80	75	42.5	9	14
Ø315, Ø350	50	150	100	80	45	9	14
Ø400, Ø450	50	150	100	90	50	9	18
Ø500, Ø550	50	170	120	105	57.5	9	18
Ø630	50	170	120	120	65	9	18
Ø710	50	210	150	130	67.5	12	18
Ø800	55	210	150	135	72.5	12	24

1	KEY PLATE	SS400	1	4				
NO.	DESCRIPTIONS	MT'L	SET QTY	EA	UNIT	TOTAL	WEIGHT KG	REMARKS
PROJECT	GIPFEL KOREA STANDARD						DATE 2019.10	
TITLE	GFK						SCALE N/S	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
				SHEET NO.	SHEET NO. GFK-19-K			