

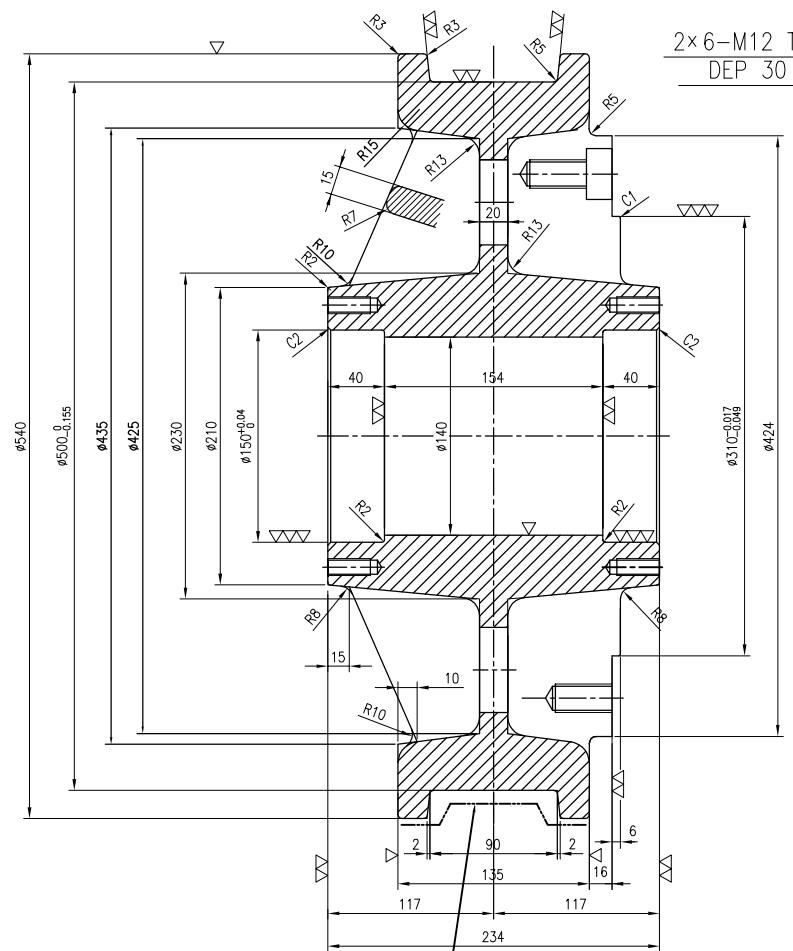
HIGH FREQUENCY HEAT TREATMENT
 (高周波熱處理)
 DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS	
						QTY	WEIGHT KG	DATE
PROJECT		GIPFEL KOREA STANDARD					2024.01	
TITLE		GFK-500Ø					SCALE	
		DRIVING WHEEL ASS'Y					N/S	
DRAWN		DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H					KIM. M. C			
				SHEET NO.	SHEET NO.			
					GFK-19-500-DWA			

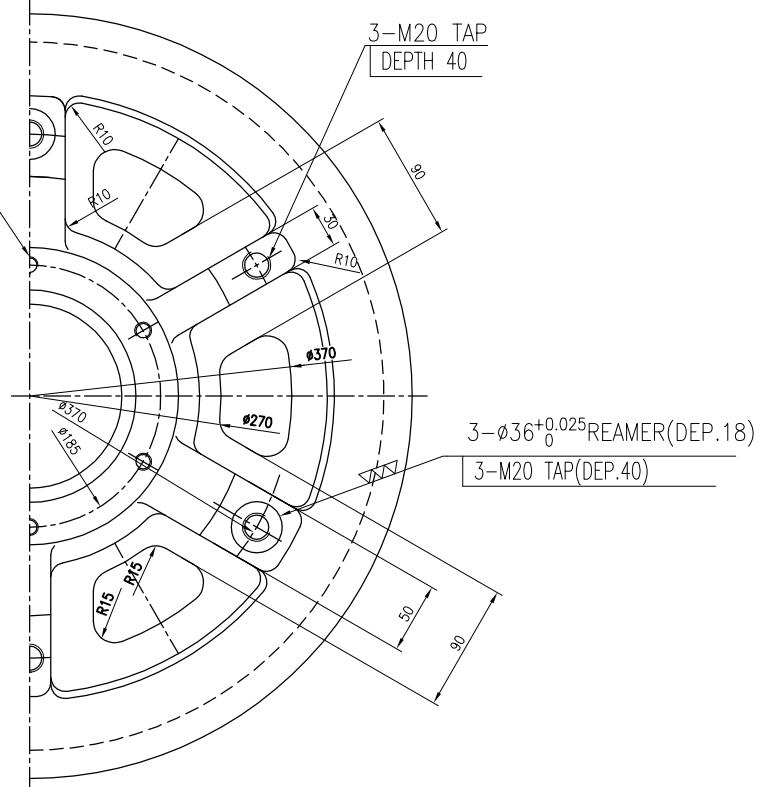
MATERIAL SPECIFICATION

Material		JIS G 5111 SCMn2A			
Material Composition	C	Si	Mn	P	S
	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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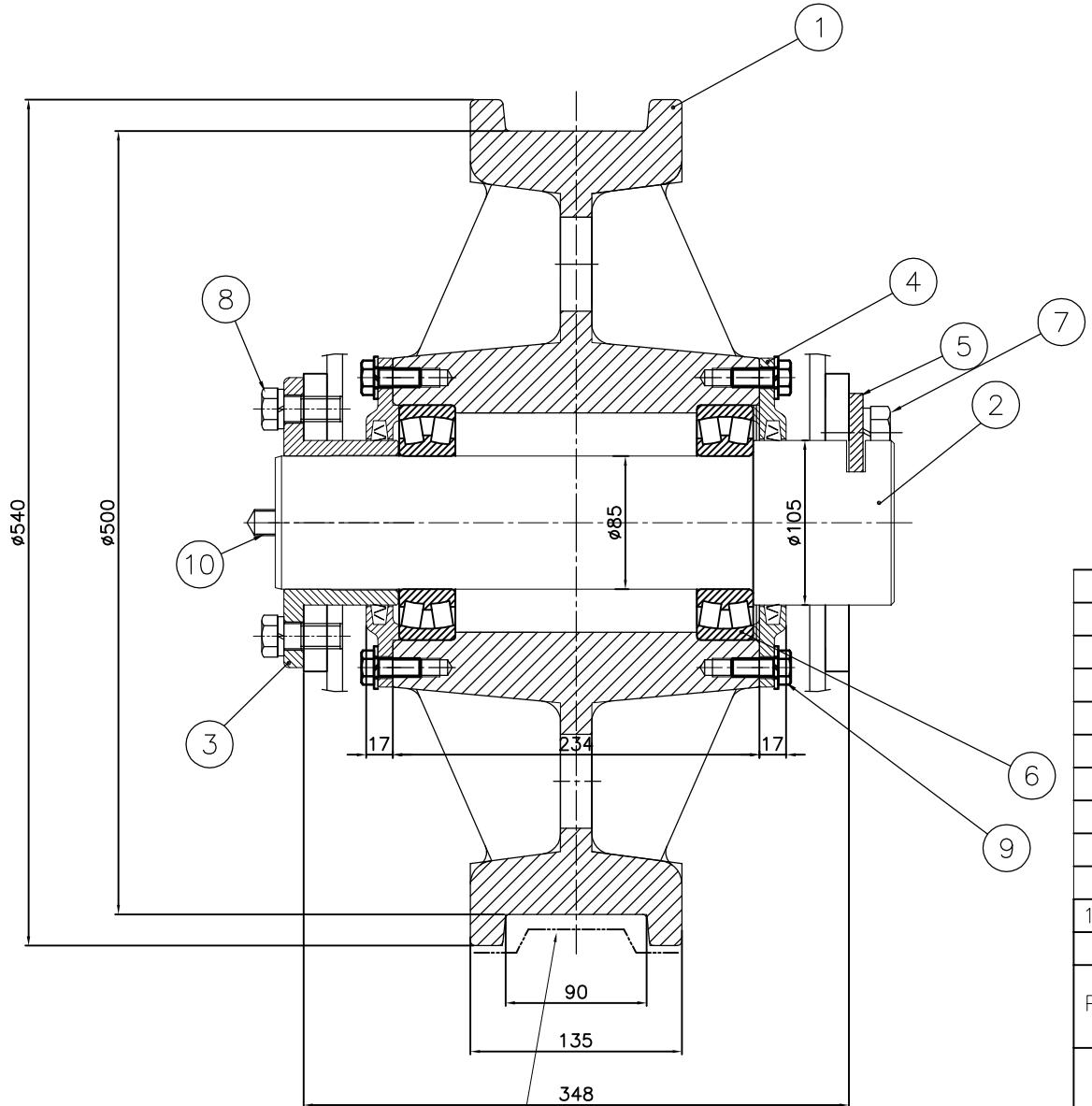


HIGH FREQUENCY HEAT TREATMENT
(高周波熱処理)
DEPTH : 0.3~1.5mm HARDNESS : HS 45~55



NO.	DESCRIPTIONS	MT'L	1	2	TOTAL WEIGHT KG	REMARKS	
			SET Q'TY	EA UNIT			
PROJECT	GIPFEL KOREA STANDARD				DATE		
TITLE	GFK-500Ø				SCALE		
	DRIVING WHEEL				1:1		
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
	SHEET NO.	GFK-19-500-DW					





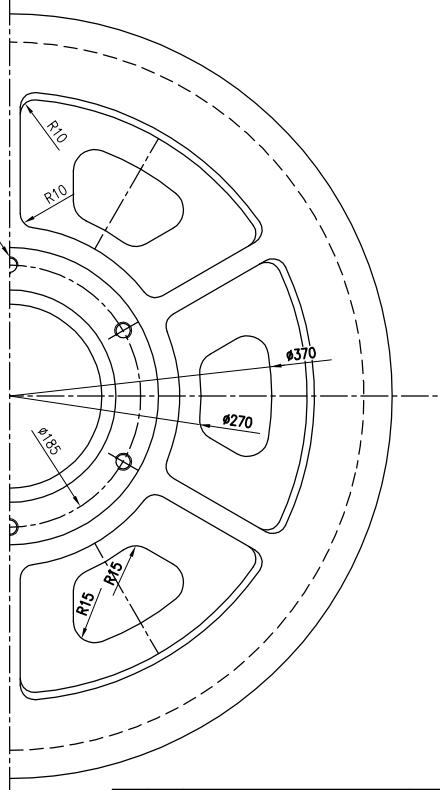
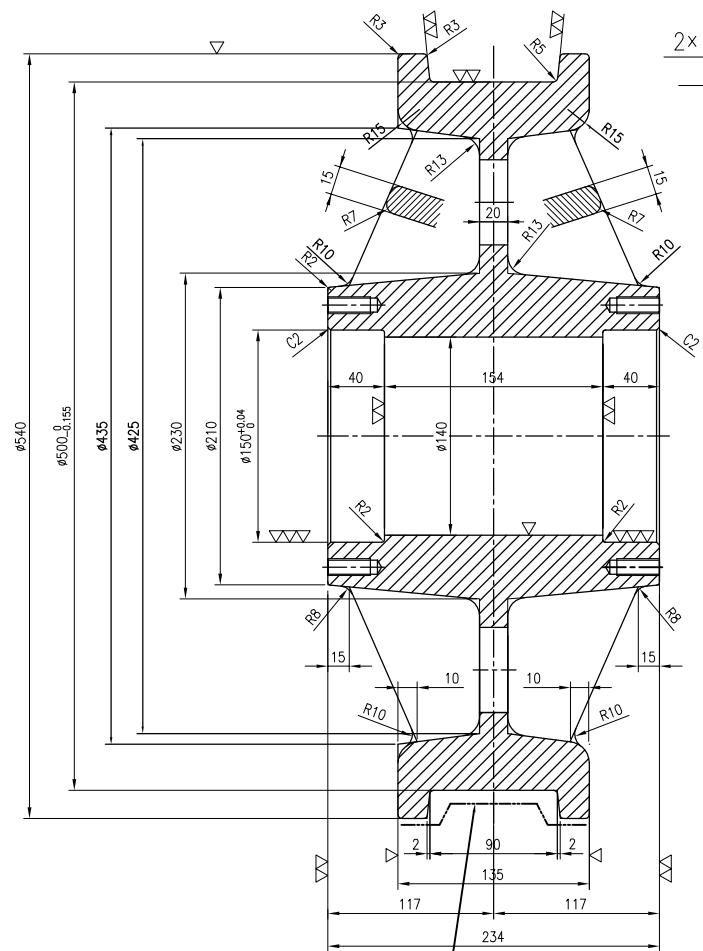
HIGH FREQUENCY HEAT TREATMENT
 (高周波熱處理)
 DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

10	GREASE NIPPLE	PUR-CHASE	2			PT 3/8"
9	BOLT.SW	4T	24			M12x30
8	BOLT.SW	4T	8			M16x30
7	BOLT.SW	4T	4			M16x25
6	BEARING	PUR-CHASE	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-19-500-FW
1	ASS'Y OF FOLLOWING WHEEL		1			
NO.	DESCRIPTIONS	MT'L	SET EA	UNIT	TOTAL	REMARKS
			QT'Y	WEIGHT KG		DATE
PROJECT	GIPFEL KOREA STANDARD					2024.01
TITLE	GFK-500Ø FOLLOWING WHEEL ASS'Y					SCALE N/S
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.		
KIM. J. H			KIM. M. C			
		SHEET NO.	SHEET NO. GFK-19-500-FWA			

MATERIAL SPECIFICATION

Material		JIS G 5111 SCMn2A			
Material Composition	C	Si	Mn	P	S
	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

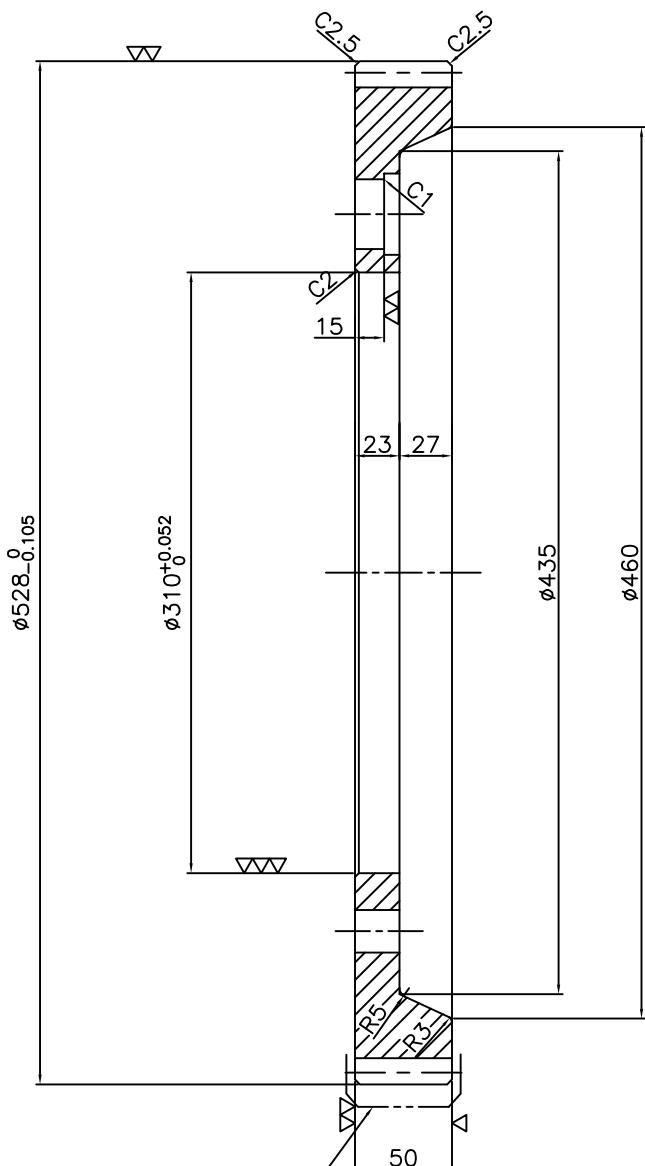
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HIGH FREQUENCY HEAT TREATMENT
(高周波熱處理)
DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

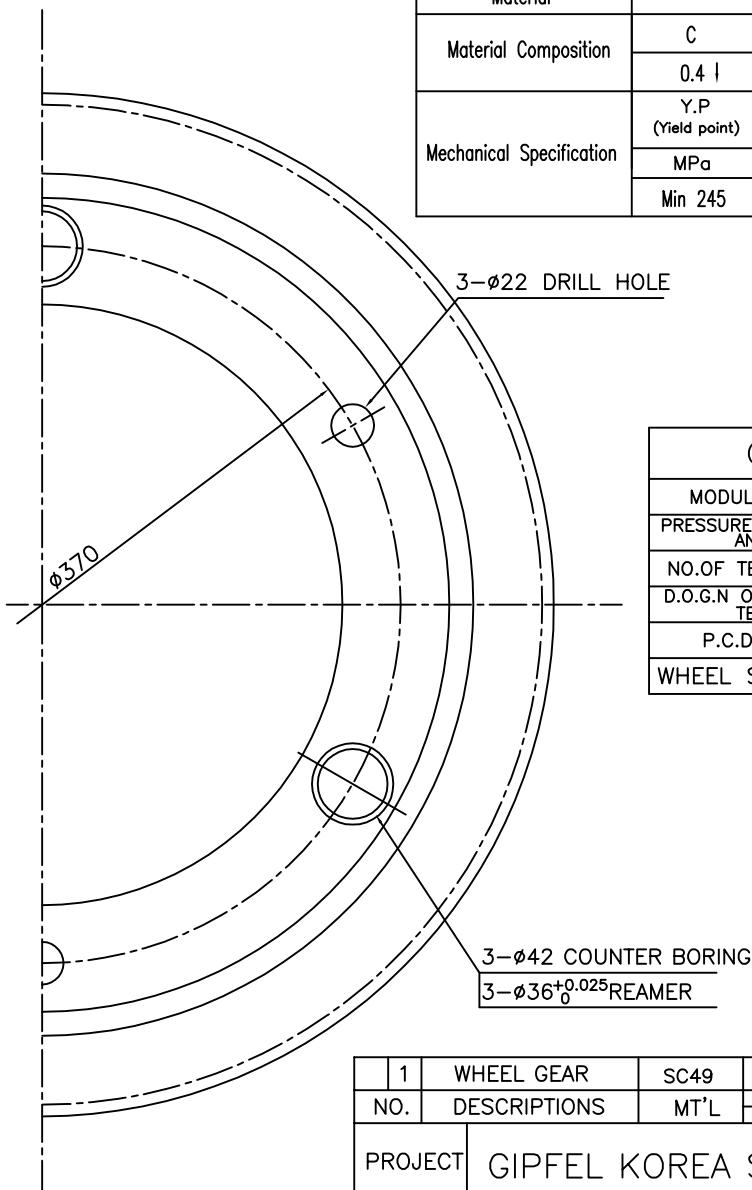
1	FOLLOWING WHEEL	SCMn2A	1	2										
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS							
PROJECT	GIPFEL KOREA STANDARD		DATE		2024.01									
TITLE	GFK-500Ø		SCALE		1:1									
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.										
KIM. J. H			KIM. M. C											
		SHEET NO.	SHEET NO.											
			GFK-19-500-FW											

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

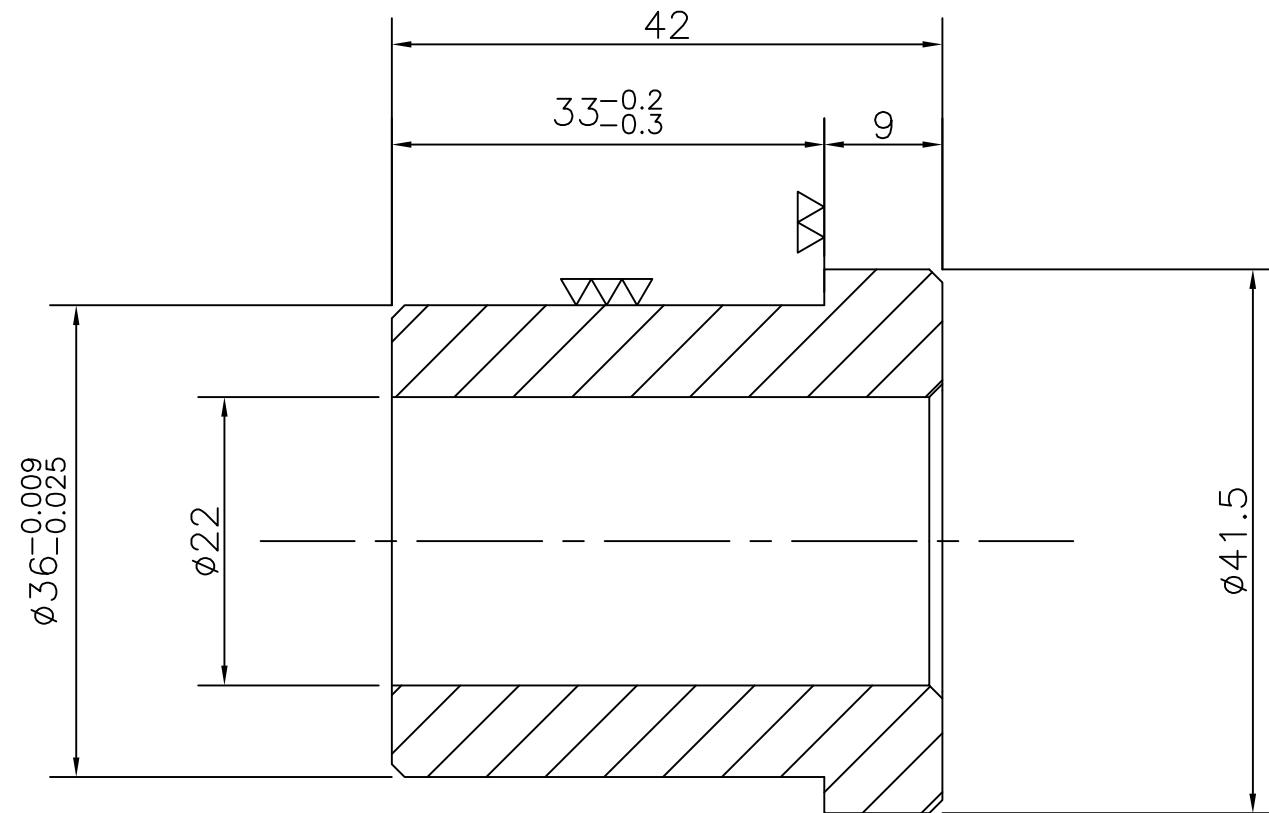
MATERIAL SPECIFICATION				
Material	JIS G 5101 SC49(SC480)			
Material Composition	C	P	S	
	0.41	0.0401	0.0401	
Mechanical Specification	Y.P (Yield point)	T.S (Tensile strength)	E.L (Elongation)	R.P (Reduction of area)
	MPa	MPa	%	%
	Min 245	Min 480	Min 17	Min 25



GEAR SPECIFICATION		
MODULE	6	8
PRESSURE ANGLE	20°	
NO.OF TEETH	86 ^T	64 ^T
D.O.G.N OF TEETH	10 ^T)175.50- ^{0.12} _{0.49}	8 ^T)184.30- ^{0.14} _{0.35}
P.C.D	ø516	ø512
WHEEL SIZE	ø500	ø500S

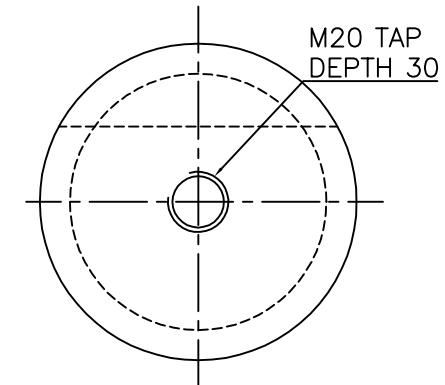
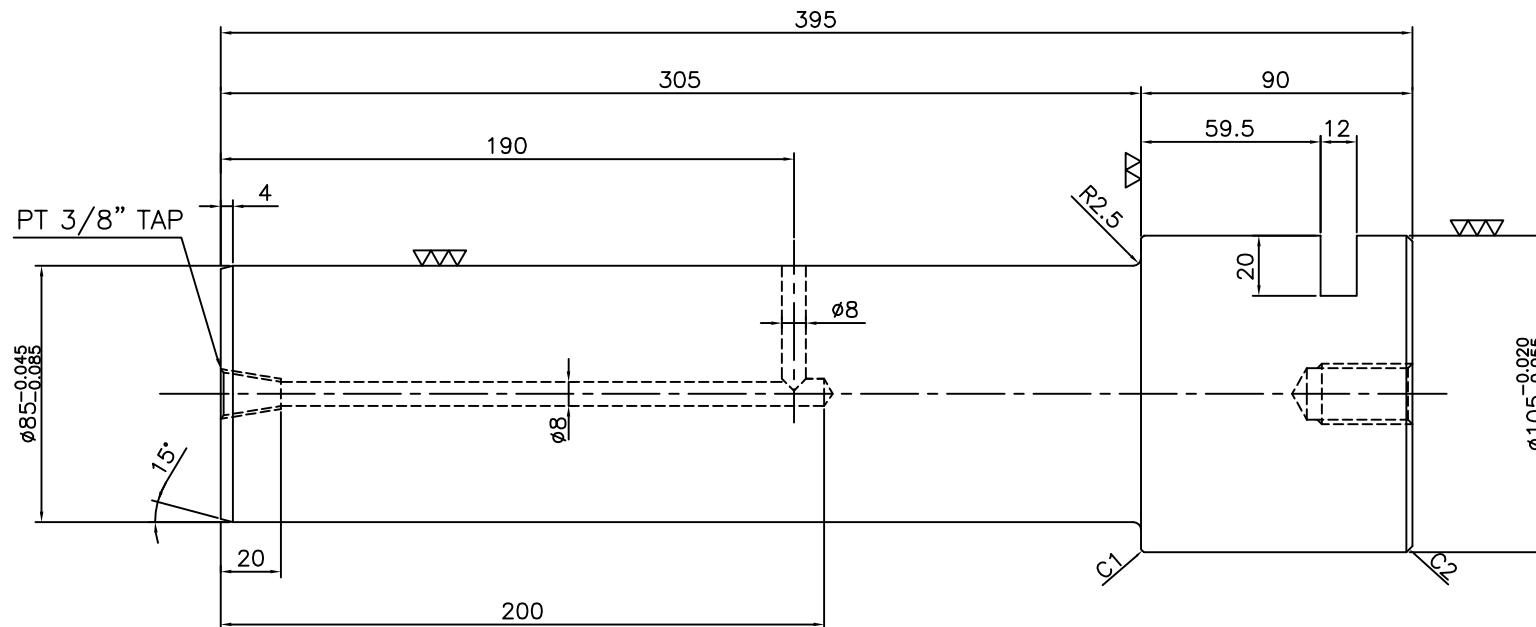
1	WHEEL GEAR	SC49	1	2			
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY			WEIGHT KG	
PROJECT	GIPFEL KOREA STANDARD					DATE 2024.01	
TITLE	GFK-500Ø					SCALE 1:1	
	WHEEL GEAR						
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
 GIPFEL			SHEET NO.	SHEET NO.			
				GFK-19-500-WG			

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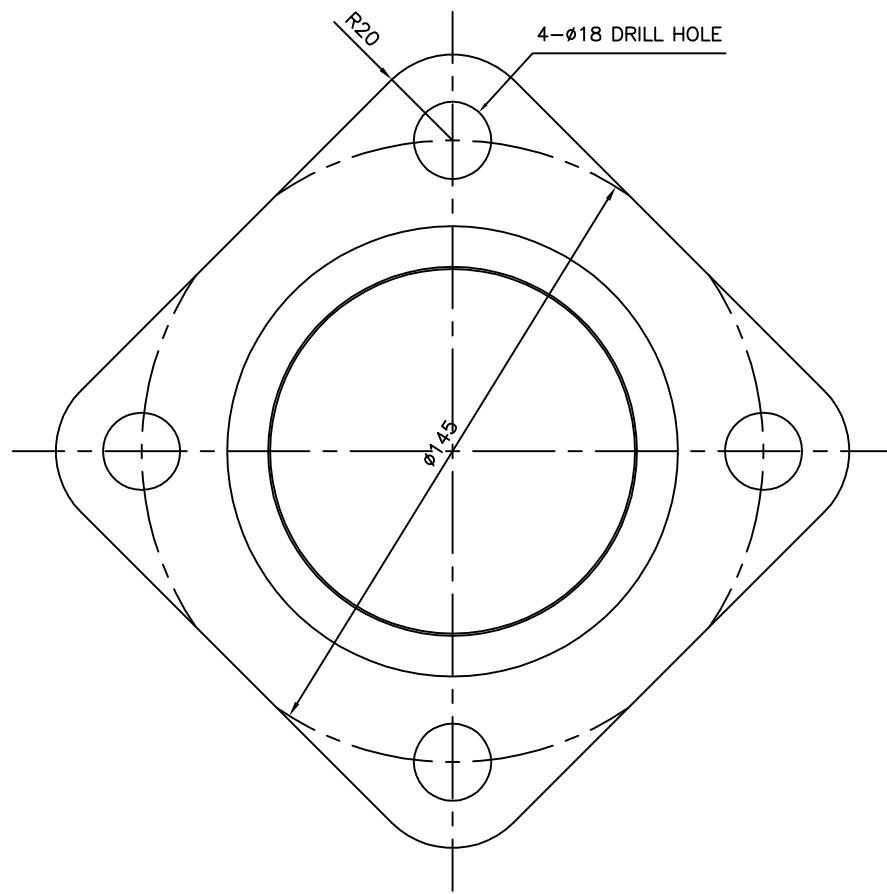
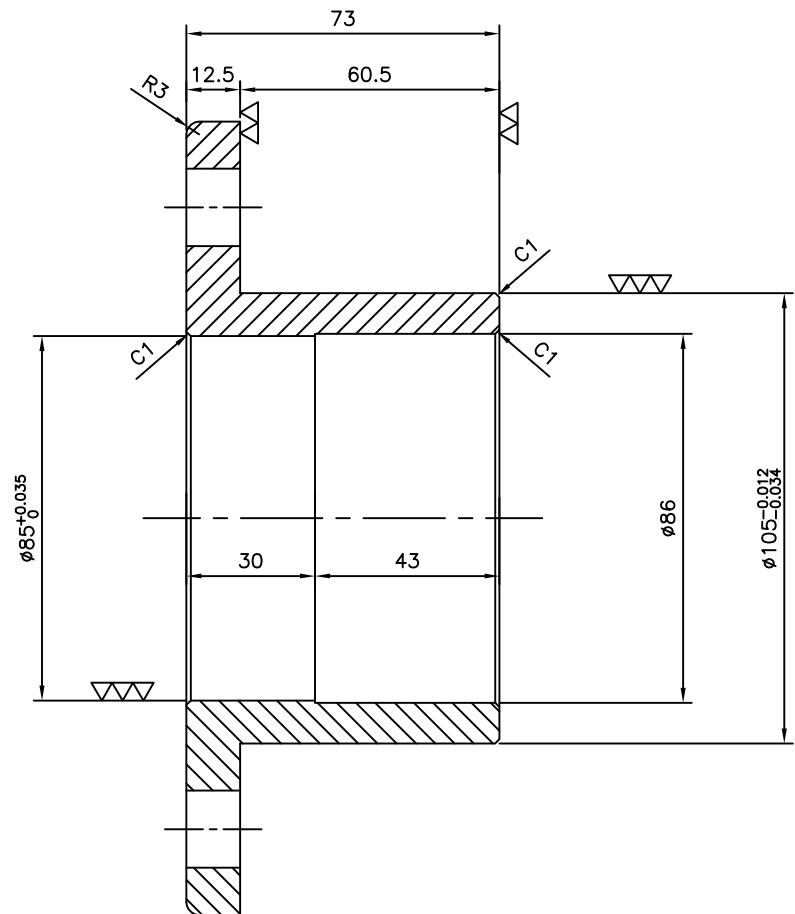
NO.	DESCRIPTIONS	MT'L	1	6	TOTAL WEIGHT KG	REMARKS		
			SET Q'TY	EA				
PROJECT	GIPFEL KOREA STANDARD					DATE 2024.01		
TITLE	GFK-500Ø BUSH					SCALE 1:1		
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
		SHEET NO.	SHEET NO. GFK-19-500-BU					

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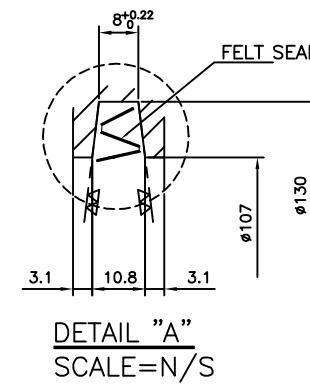
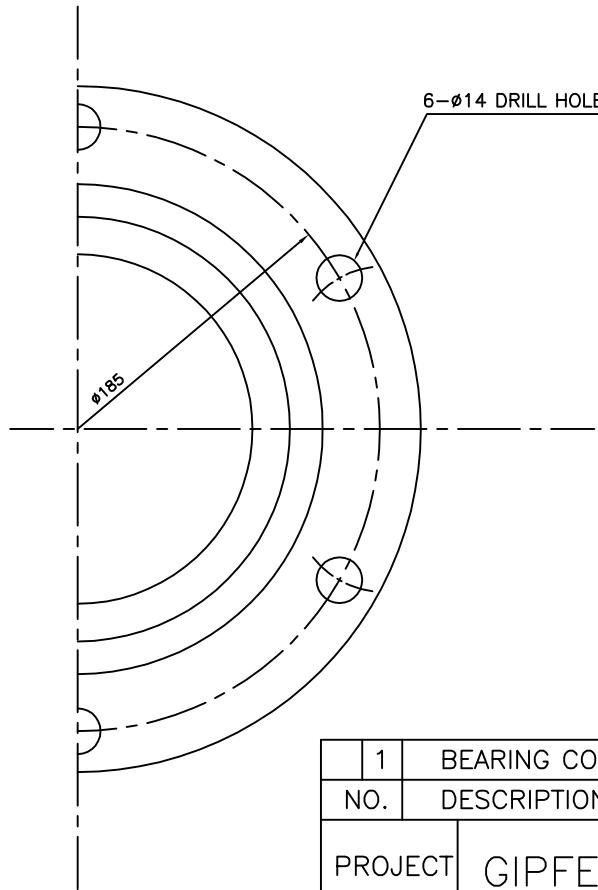
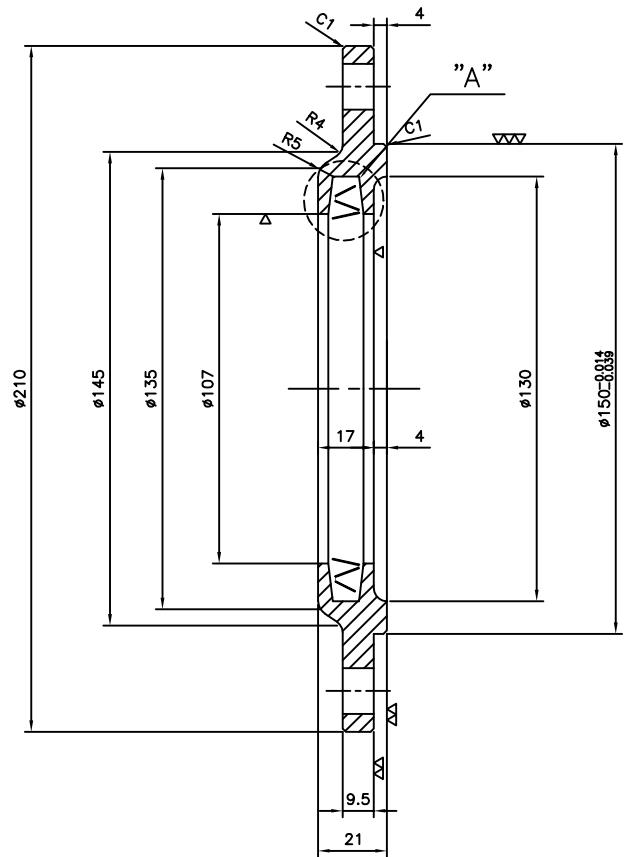
NO.	DESCRIPTIONS	MT'L	SET QTY	EA	UNIT	TOTAL WEIGHT KG	REMARKS
PROJECT	GIPFEL KOREA STANDARD						DATE 2024.01
TITLE	GFK-500Ø SHAFT						SCALE 1:1
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
				SHEET NO.	SHEET NO. GFK-19-500-S		

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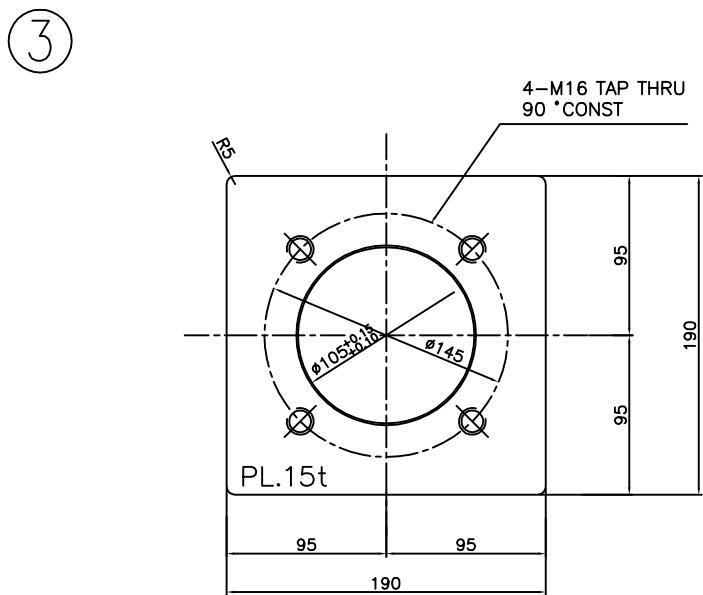
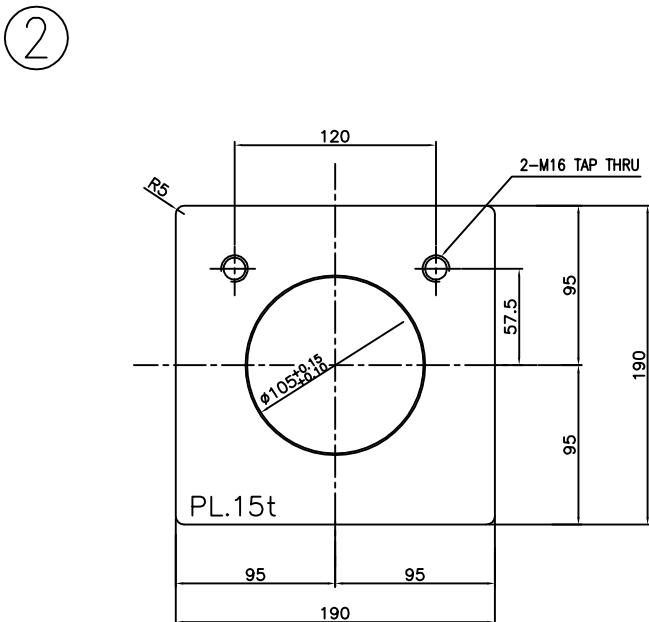
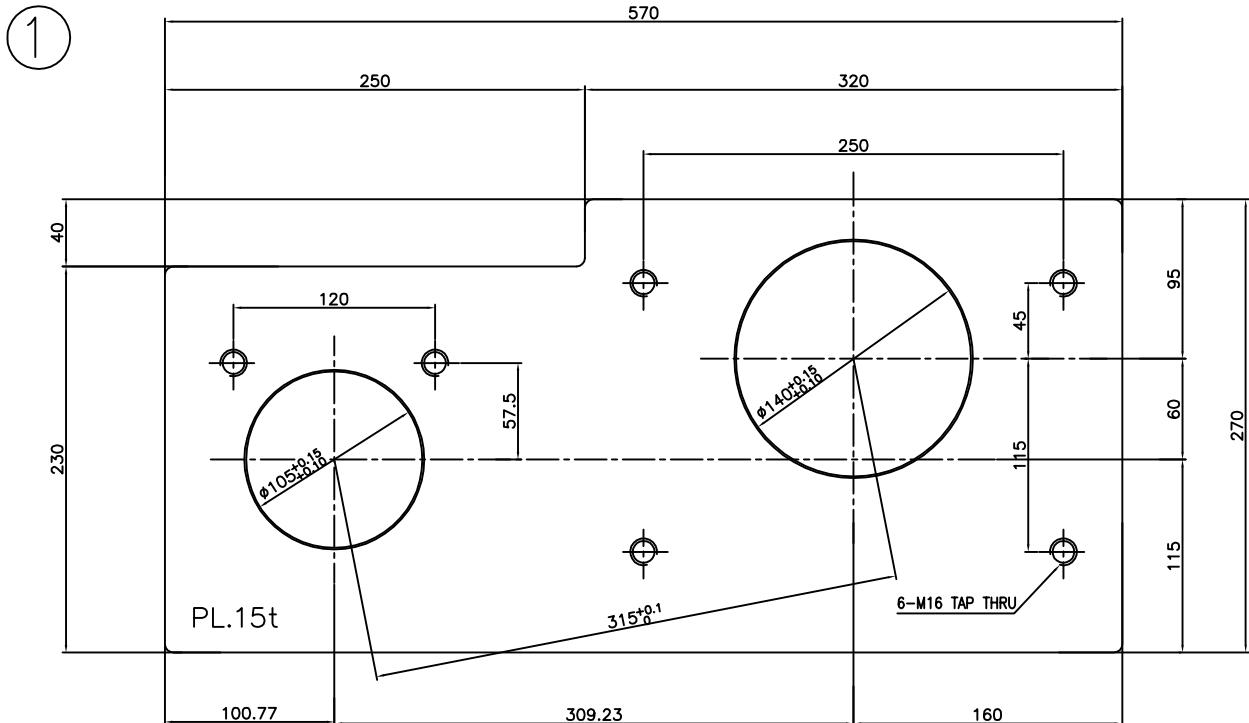


1	COLLAR	FCD40	1	4				
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS	
			Q'TY		WEIGHT KG			
PROJECT	GIPFEL KOREA STANDARD						DATE	
							2024.01	
TITLE	GFK-500Ø						SCALE	
	COLLAR						1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
 GIPFEL			SHEET NO.	GFK-19-500-C				

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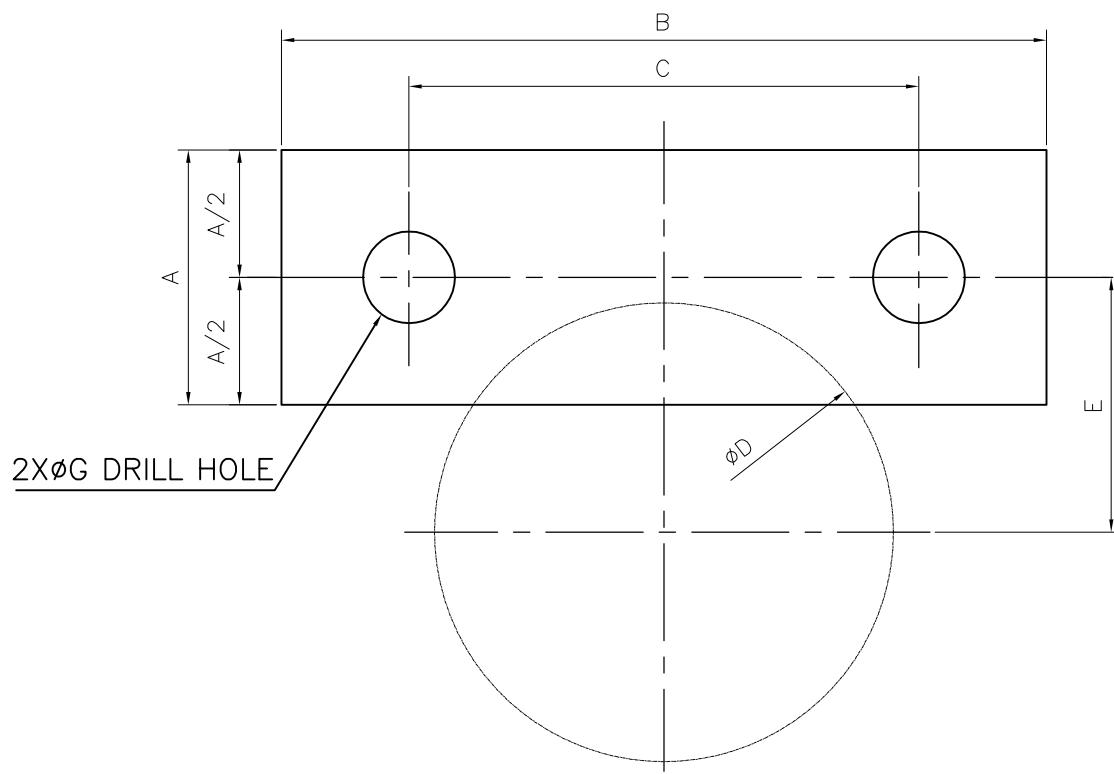


1	BEARING COVER	FC20	1	8						
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS			
PROJECT		GIPFEL KOREA STANDARD					DATE			
TITLE		GFK-500φ					2024.01			
DRAWN		DESIGNED	CHECKED	APPROVED	REF DRAWING.		SCALE			
KIM. J. H					KIM. M. C		1:1			
				SHEET NO.	SHEET NO.					
					GFK-19-500-BC					

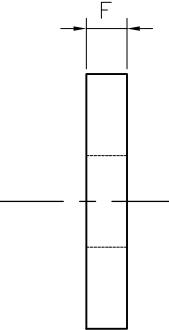


NOTE
BREAK ALL SHARP EDGES OF HOLE C1

	3	COLLAR PLATE	SS400		4			15t
	2	SHAFT PLATE	SS400		2			15t
	1	MOTOR PLATE	SS400		2			15t
1		PLATE		1				
NO.	DESCRIPTIONS		MT'L	SET	EA	UNIT	TOTAL	REMARKS
				QTY			WEIGHT KG	
PROJECT	GIPFEL KOREA STANDARD						DATE	
TITLE	GFK-500Ø						SCALE	
	PLATE						1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
 GIPFEL				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	EA	UNIT	TOTAL	REMARKS	
			QTY			WEIGHT KG		
PROJECT	GIPFEL KOREA STANDARD						DATE	
							2019.10	
TITLE	GFK						SCALE	
	KEY PLATE						N/S	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
				SHEET NO.	SHEET NO.			
					GFK-19-K			