

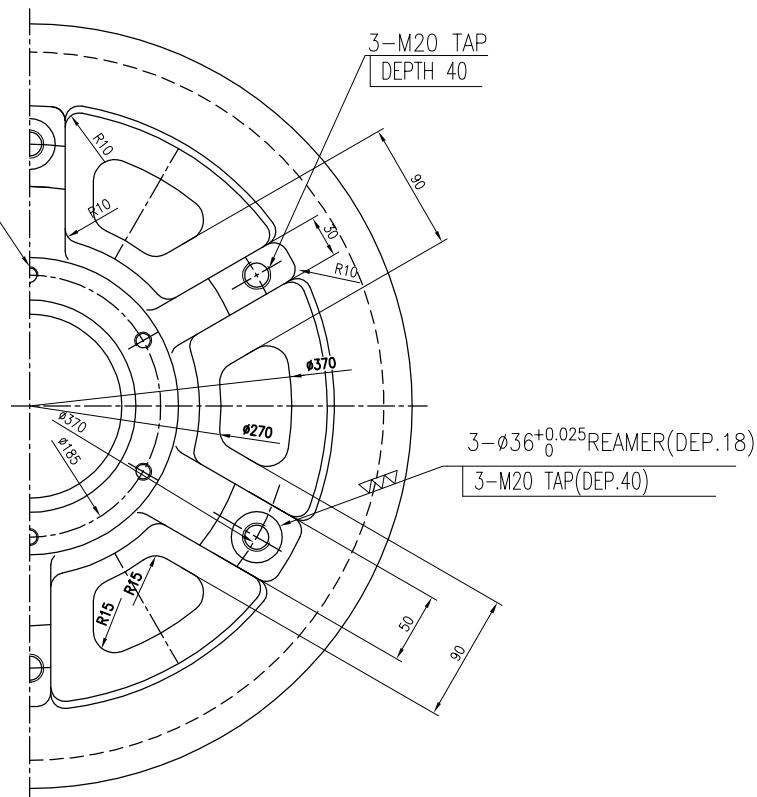
HIGH FREQUENCY HEAT TREATMENT
(高周波熱處理)


DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

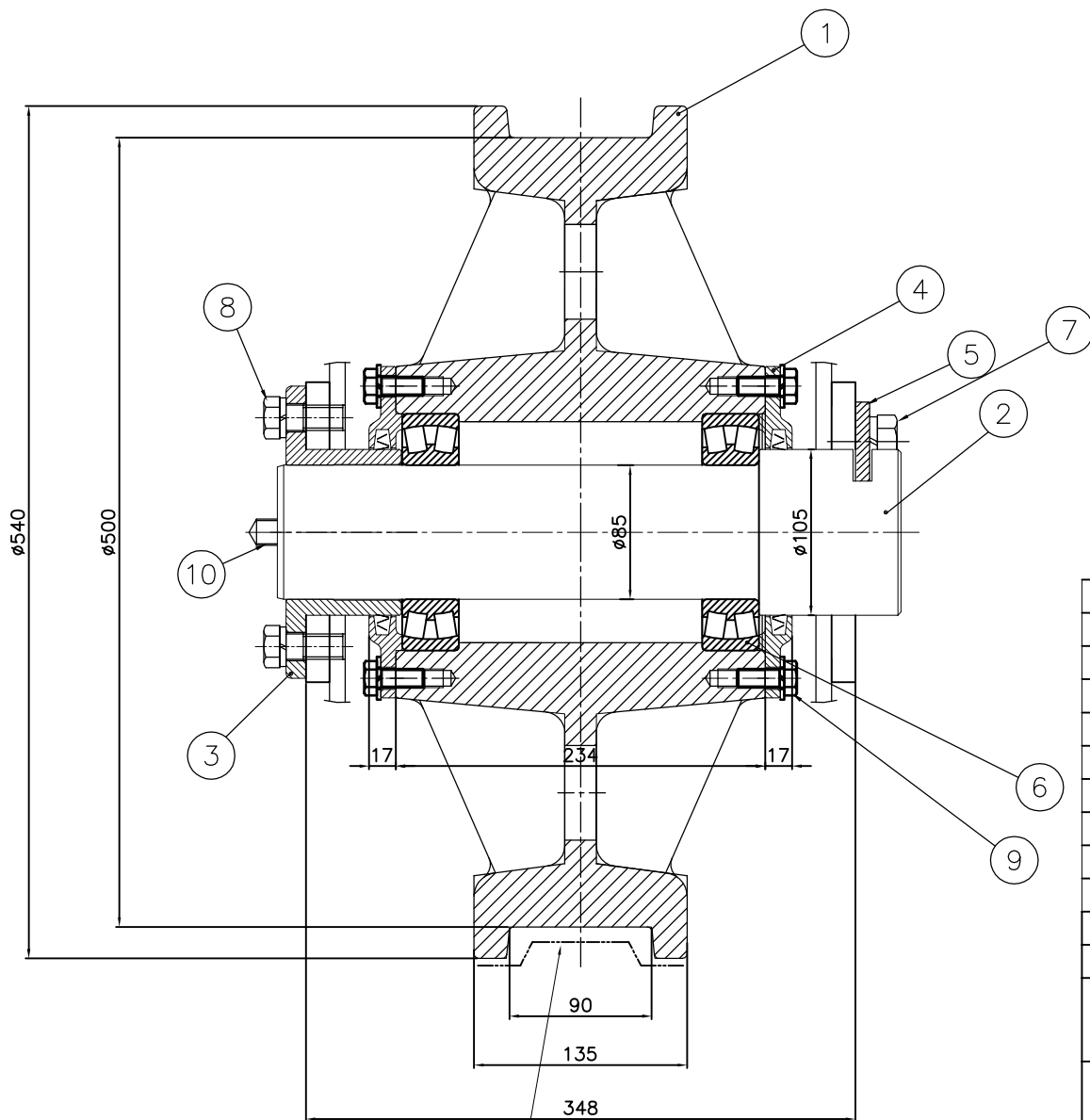
14	BUSH	S45CN		6			GFK-19-500-BU
13	BOLT.SW	8T		6			M20X80
12	BOLT.SW	8T		6			M20X60
11	GREASE NIPPLE	PUR-CHASE		2			PT 3/8"
10	BOLT.SW	4T		24			M12x30
9	BOLT.SW	4T		8			M16X30
8	BOLT.SW	4T		4			M16X25
7	BEARING	PUR-CHASE		4			#22217
6	KEY PLATE	SS400		2			GFK-19-K
5	BEARING COVER	FC20		4			GFK-19-500-BC
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-19-500-DW
1	ASS'Y OF DRIVING WHEEL		1				
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY	WEIGHT KG			
PROJECT	GIPFEL KOREA STANDARD						DATE
							2024.01
TITLE	GFK-500ø DRIVING 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-DWA	

Technical drawing of a mechanical part, likely a pump housing or valve body, showing a cross-section. The drawing includes dimensions for overall size, internal features, and material specifications. Key dimensions include: overall height 540, overall width 234, and various internal diameters and radii. Material specifications are given as 2x6-M12 TAP and DEP 30. The drawing is labeled with '01' and '02' in the top right corner.


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 ↓	0.040 ↓
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



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

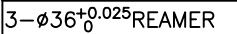
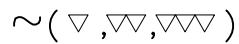
10	GREASE NIPPLE	PUR-CHASE	2				PT 3/8"
9	BOLT.SW	4T	24				M12x30
8	BOLT.SW	4T	8				M16x30
7	BOLT.SW	4T	4				M16x25
6	BEARING	PUR-CHASE	4				#22217
5	KEY PLATE	SS400	2				GFK-19-K
4	BEARING COVER	FC20	4				GFK-19-500-BC
3	COLLAR	FCD40	2				GFK-19-500-C
2	SHAFT	S45CN	2				GFK-19-500-S
1	FOLLOWING WHEEL	SCMn2A	2				GFK-19-500-FW
1	ASS'Y OF FOLLOWING WHEEL		1				
NO.	DESCRIPTIONS	MT'L	SET QTY	EA	UNIT	TOTAL WEIGHT KG	REMARKS
PROJECT	GIPFEL KOREA STANDARD						DATE
							2024.01
TITLE	GFK-500φ 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			

2x6-M12 TAP
DEP 30

Technical drawing of a mechanical part, likely a tap, showing a cross-section with dimensions and tolerances. The drawing includes a title block with '2x6-M12 TAP' and 'DEP 30'. The part has a central bore with a diameter of 150 mm and a total length of 540 mm. The drawing shows a cross-section with various radii (R3, R15, R13, R7, R10, R8) and dimensions (15, 20, 40, 154, 117, 234, 90, 2). The part is labeled '2x6-M12 TAP' and 'DEP 30'.

Technical drawing of a wheel rim cross-section. The drawing shows a semi-circular rim profile with a dashed centerline. Key dimensions are labeled: R10 for the top and bottom fillet radii, R15 for the inner fillet radius, and R45 for the outer fillet radius. The inner diameter is indicated as $\phi 185$. The outer diameter is indicated as $\phi 270$. The rim has a central hub area with a diameter of $\phi 370$. The drawing is a technical illustration of a mechanical part, likely a wheel rim, showing its cross-sectional geometry and dimensions.

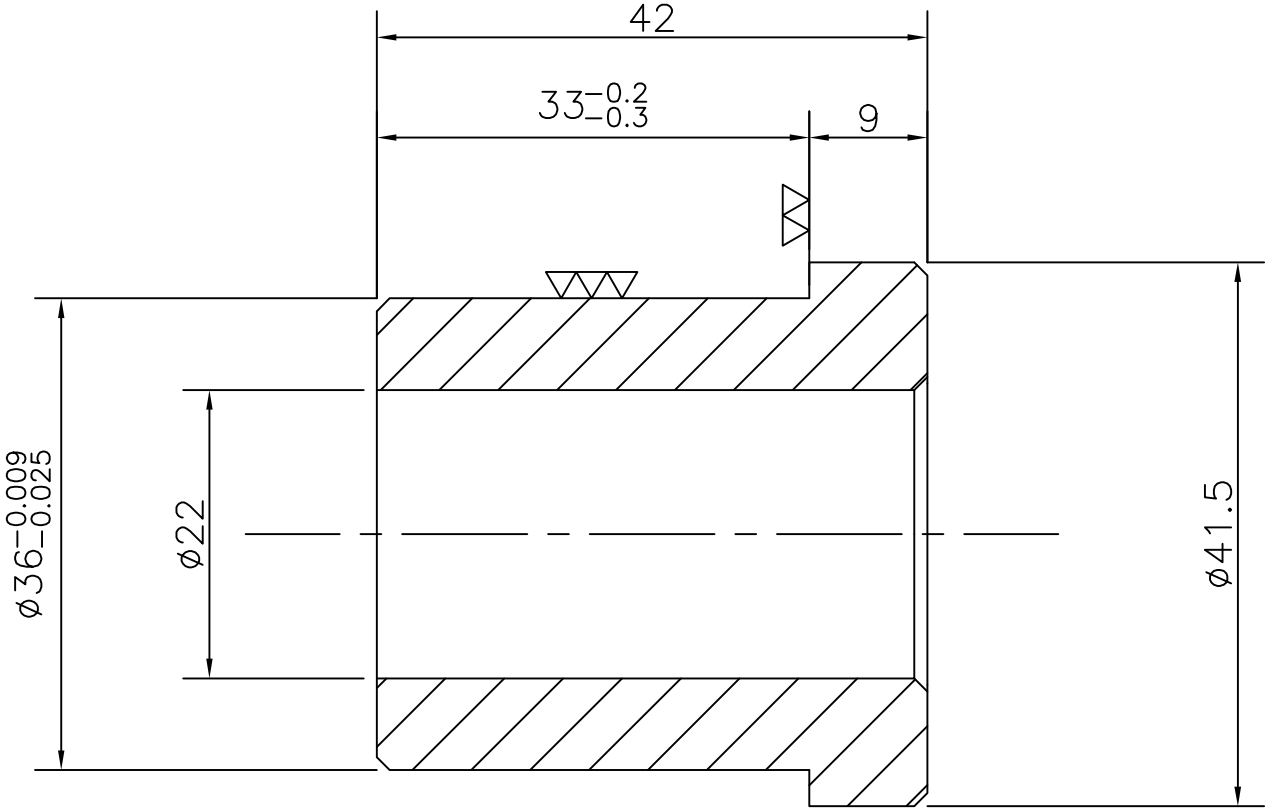
	1	FOLLOWING WHEEL		SCMn2A		1	2		
NO.	DESCRIPTIONS		MT'L	SET	EA	UNIT	TOTAL		REMARKS
				QTY		WEIGHT KG			
PROJECT	GIPFEL KOREA STANDARD							DATE	
								2024.01	
TITLE	GFK-500ø FOLLOWING WHEEL							SCALE	
								1:1	
DRAWN		DESIGNED	CHECKED		APPROVED		REF DRAWING.		
KIM. J. H					KIM. M. C				
	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




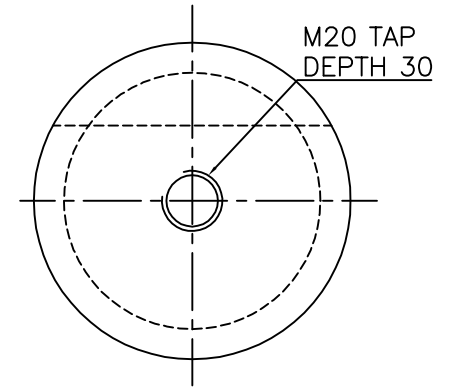
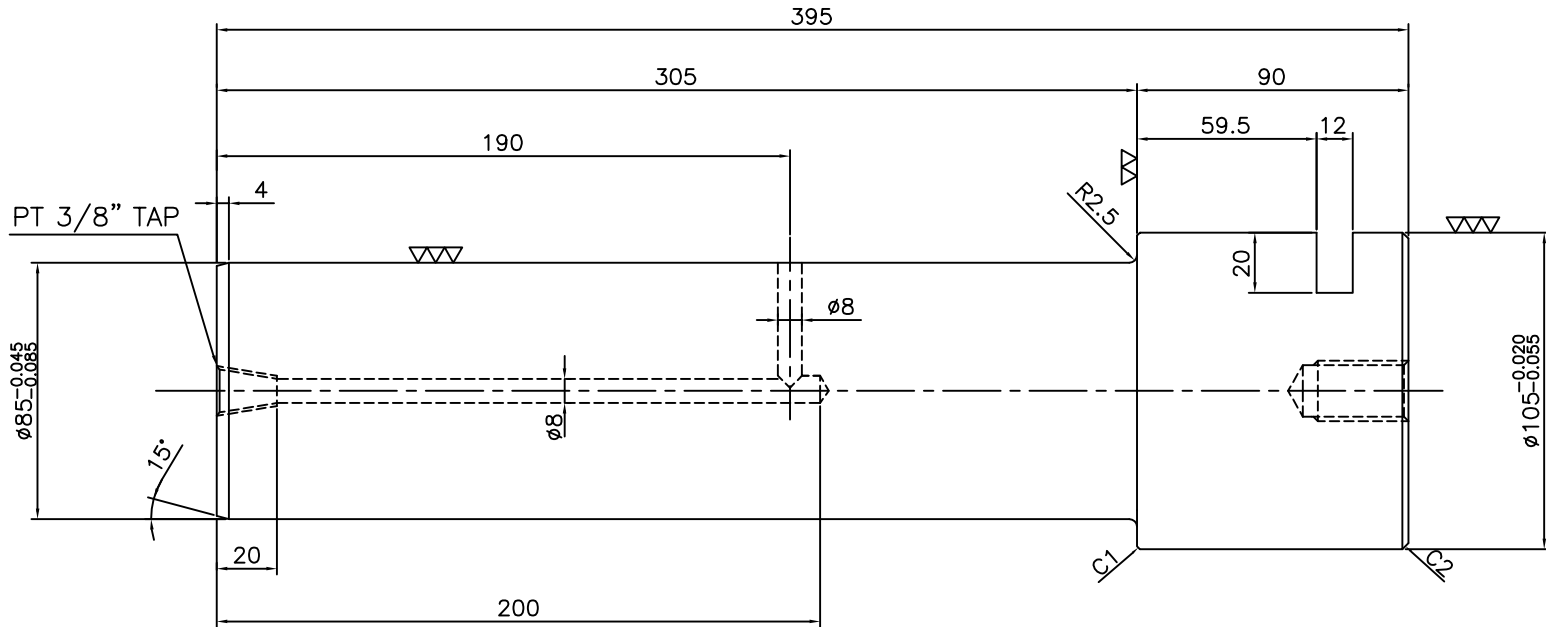
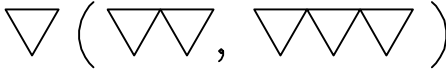
GEAR SPECIFICATION		
MODULE	6	8
PRESSURE ANGLE	20°	
NO.OF TEETH	86 ^T	64 ^T
D.O.G.N OF TEETH	10 ^T)175.50 ^{+0.12} _{-0.49}	8 ^T)184.30 ^{+0.14} _{-0.55}
P.C.D	ø516	ø512
WHEEL SIZE	ø500	ø500S




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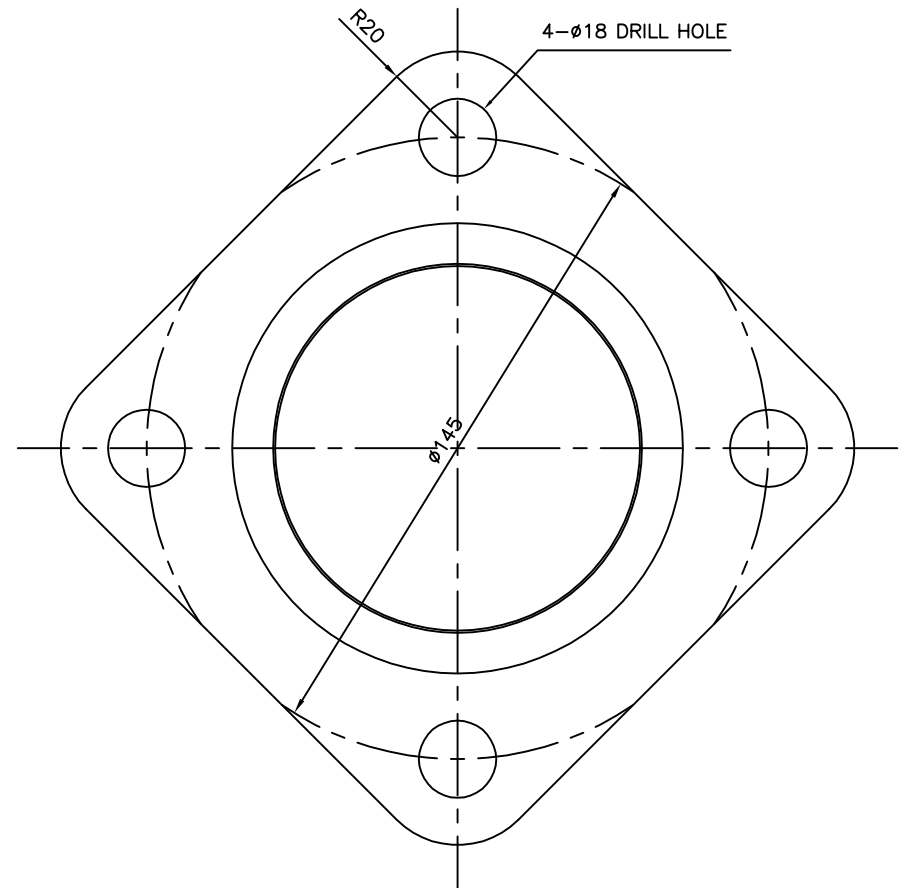
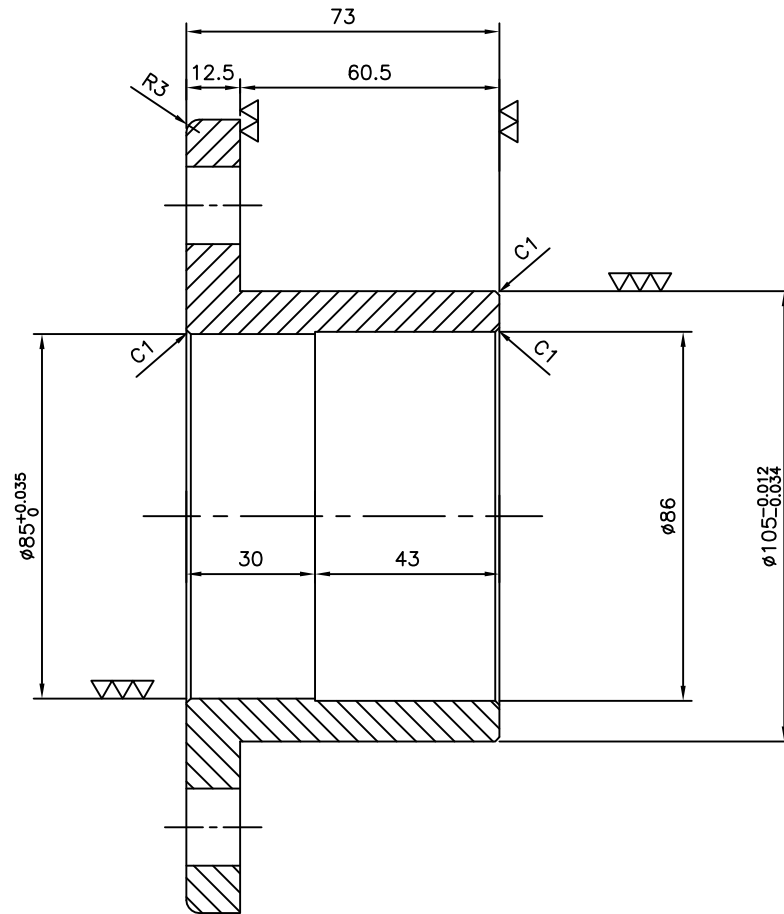



1	BUSH	S45C	1	6			
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY		WEIGHT KG		DATE
PROJECT	GIPFEL KOREA STANDARD						2024.01
TITLE	GFK-500φ BUSH						SCALE 1:1
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
			SHEET NO.	SHEET NO.			
				GFK-19-500-BU			



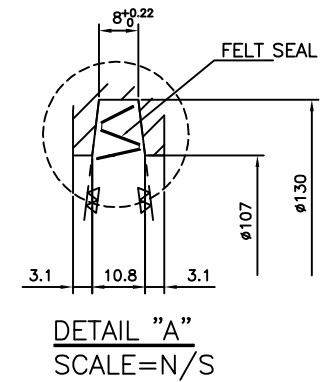
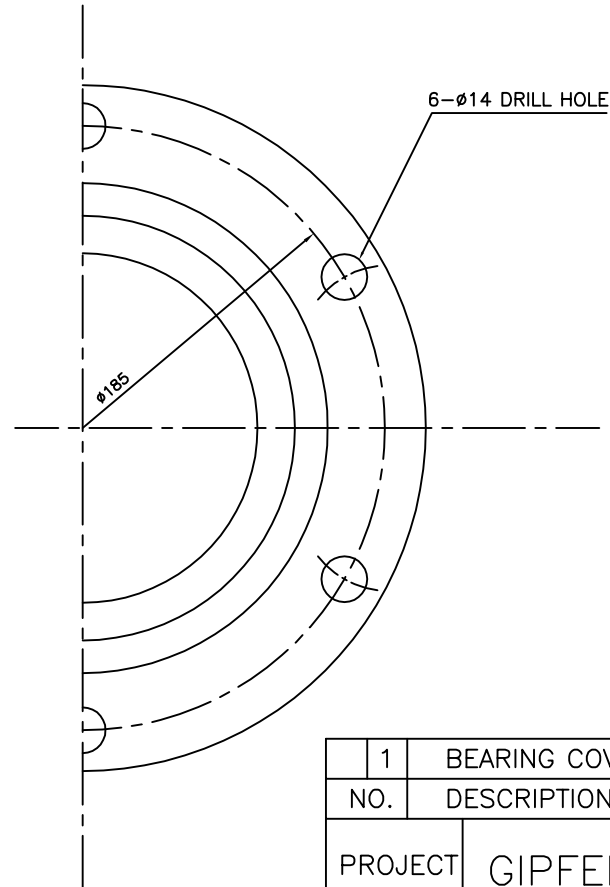
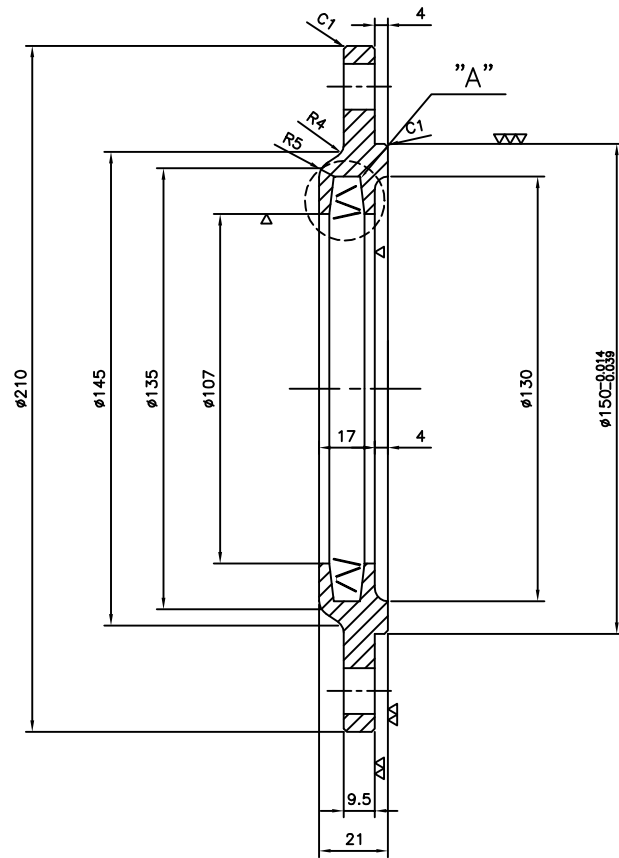
1	SHAFT	S45CN	1	4			
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY	WEIGHT KG			
PROJECT	GIPFEL KOREA STANDARD					DATE	
						2024.01	
TITLE	GFK-500ø SHAFT					SCALE	
						1:1	
DRAWN		DESIGNED	CHECKED	APPROVED		REF DRAWING.	
KIM. J. H				KIM. M. C			
			SHEET NO.	SHEET NO. GFK-19-500-S			


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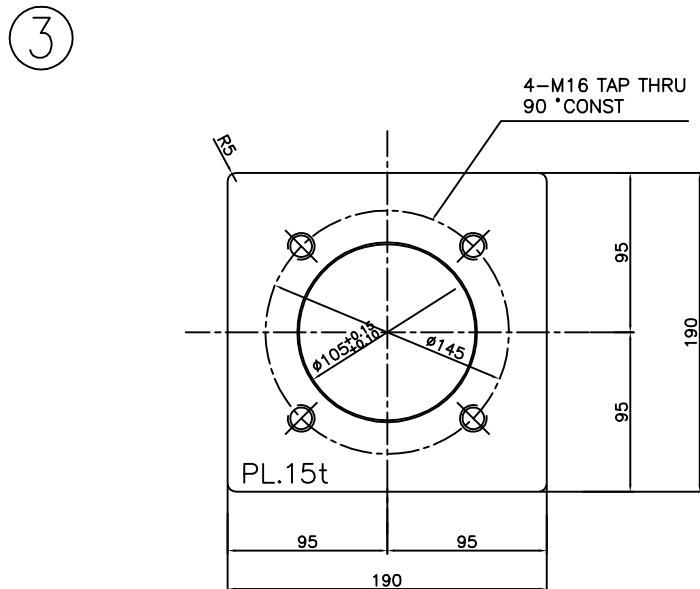
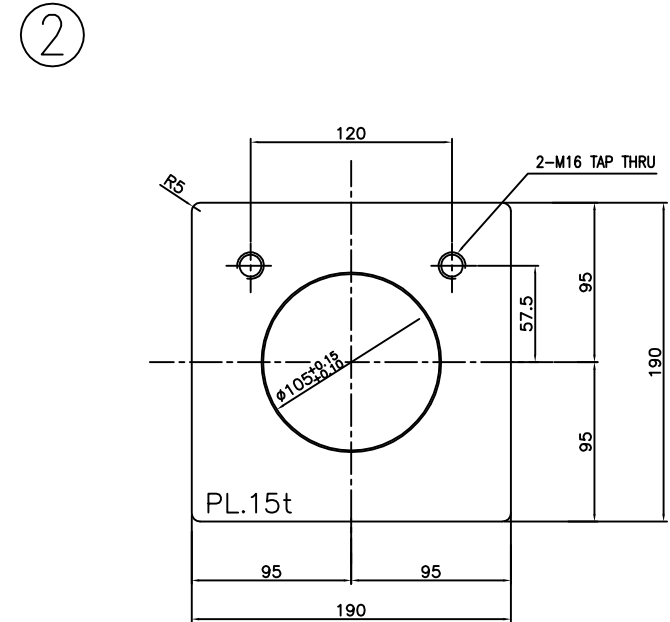
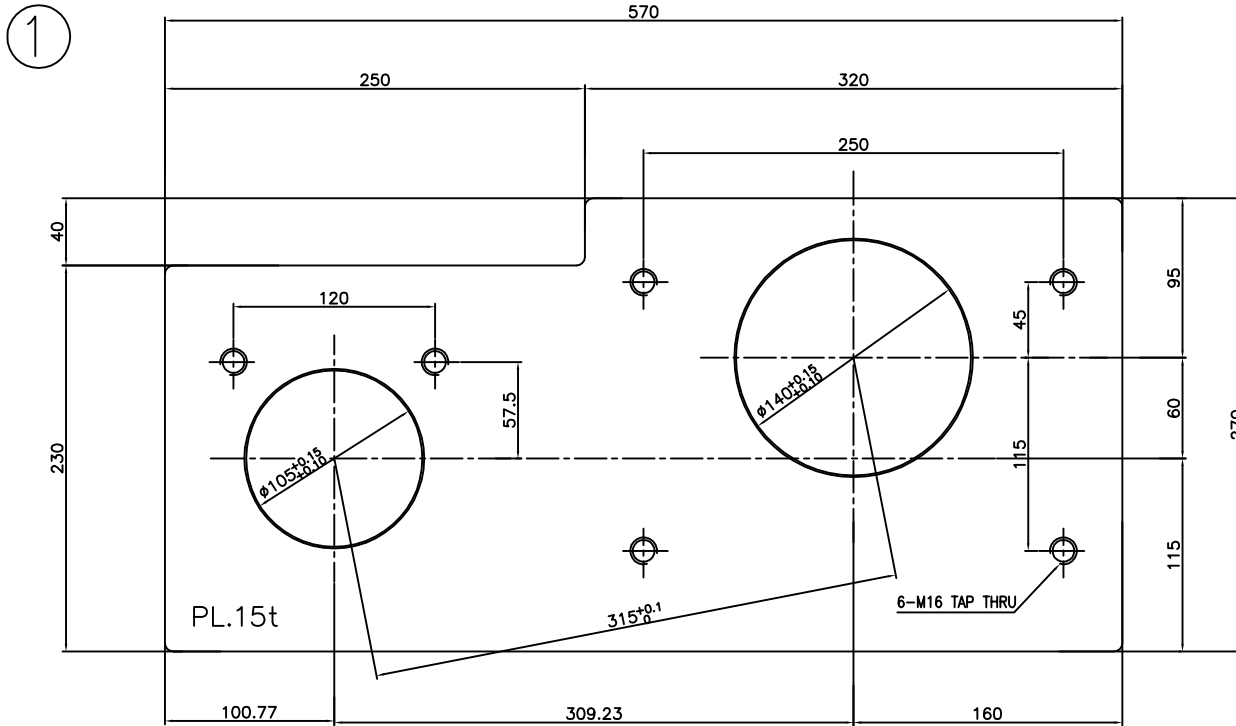


1	COLLAR	FCD40	1	4					
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS		
			QTY		WEIGHT KG		DATE		
PROJECT	GIPFEL KOREA STANDARD						2024.01		
TITLE	GFK-500Ø COLLAR						SCALE		
							1:1		
DRAWN	DESIGNED	CHECKED	APPROVED		REF DRAWING.				
KIM. J. H			KIM. M. C						
			SHEET NO.		SHEET NO.				
	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

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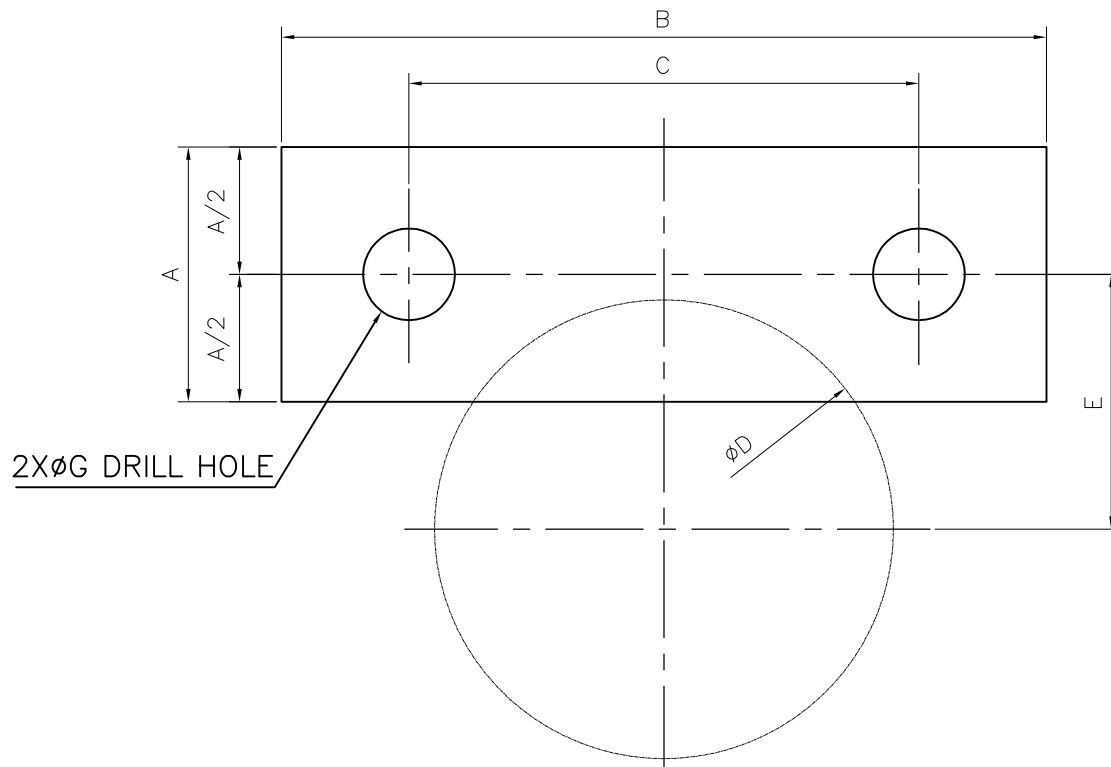
1	BEARING COVER	FC20	1	8			
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS
			QTY	WEIGHT KG			
PROJECT	GIPFEL KOREA STANDARD					DATE	
						2024.01	
TITLE	GFK-500ø BEARING COVER					SCALE	
						1:1	
DRAWN		DESIGNED	CHECKED	APPROVED		REF DRAWING.	
KIM. J. H				KIM. M. C			
			SHEET NO.		SHEET NO.	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



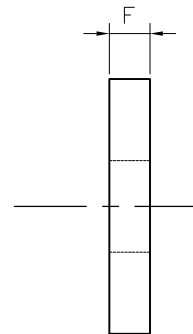
NOTE


BREAK ALL SHARP EDGES OF HOLE C1

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	
						2024.01	
TITLE	GFK-500ø					SCALE	
	PLATE					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	EA	UNIT	TOTAL	REMARKS
			QTY		WEIGHT KG		
PROJECT	GIPFEL KOREA STANDARD						DATE
							2019.10
TITLE	GFK KEY PLATE						SCALE
							N/S
DRAWN	DESIGNED	CHECKED	APPROVED		REF DRAWING.		
KIM. J. H			KIM. M. C				
		SHEET NO.	SHEET NO.				
			GFK-19-K				