

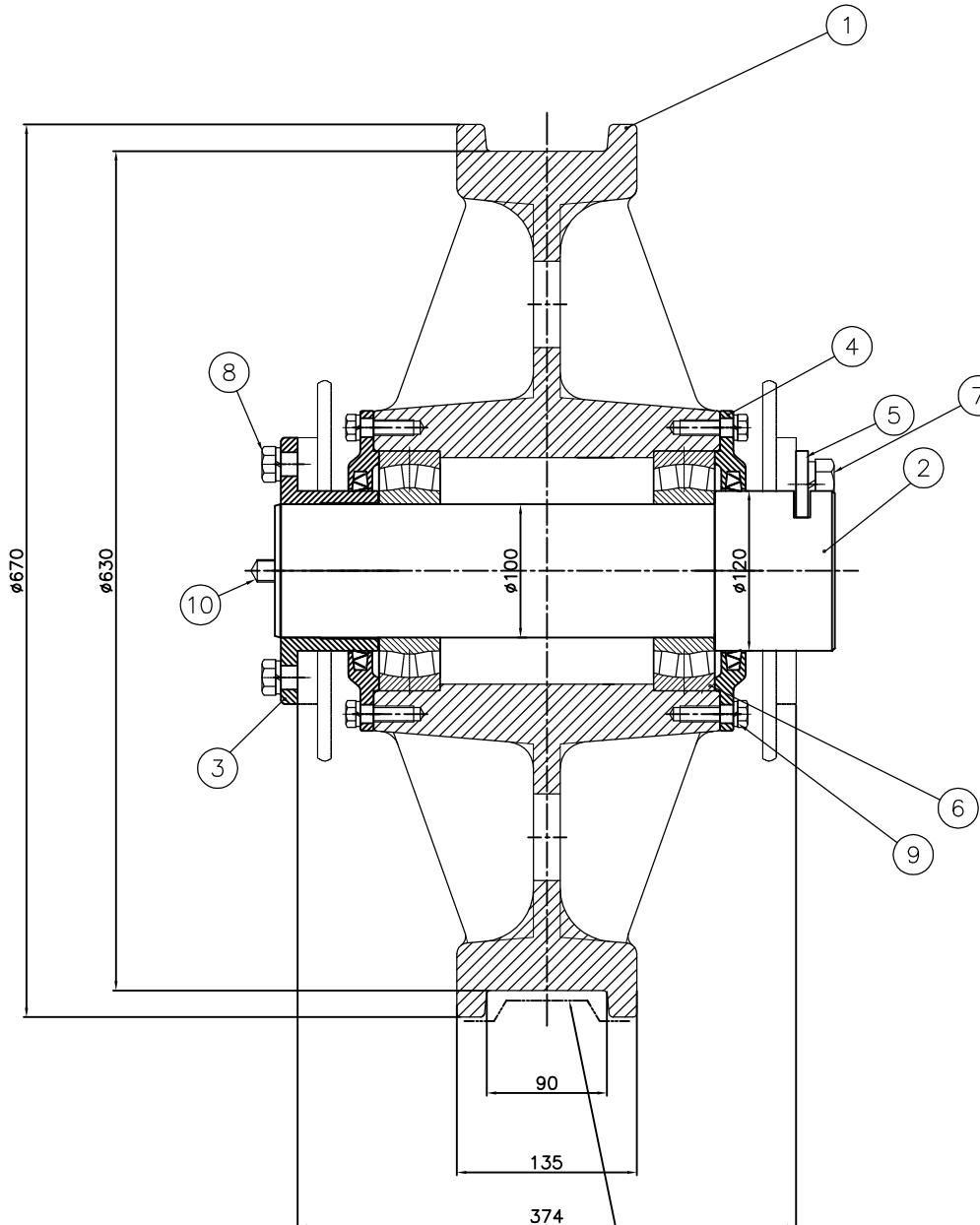
HIGH FREQUENCY HEAT TREATMENT
(高周波熱處理)
DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

NO.	DESCRIPTIONS	MT'L	SET QTY	EA	UNIT	TOTAL WEIGHT KG	REMARKS
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			#22220
6	KEY PLATE	SS400		2			GFK-19-K
5	BEARING COVER	FC20		4			GFK-19-630-BC
4	COLLAR	FCD40		2			GFK-19-630-C
3	SHAFT	S45CN		2			GFK-19-630-S
2	WHEEL GEAR	SC49		2			GFK-19-630-WG
1	DRIVING WHEEL	SCMn2A		2			GFK-19-630-DW
1	ASS'Y OF DRIVING WHEEL		1				
PROJECT		GIPFEL KOREA STANDARD					
		GFK-630Ø					
TITLE		DRIVING WHEEL ASS'Y					
DRAWN		DESIGNED		CHECKED		APPROVED	REF DRAWING.
KIM. J. H						KIM. M. C	
		SHEET NO.		SHEET NO.		GFK-19-630-DWA	

DATE
2024.01

SCALE

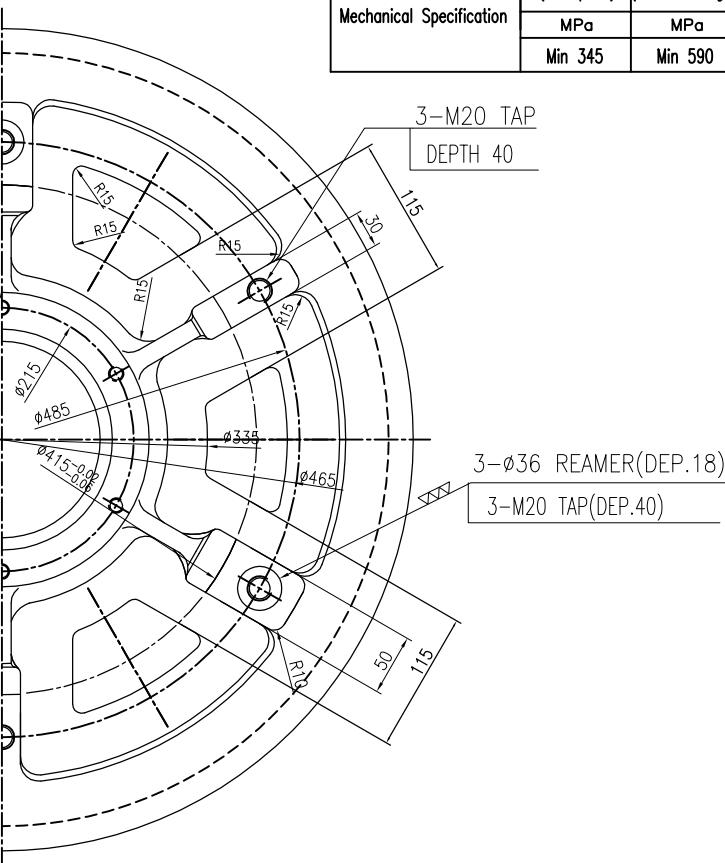
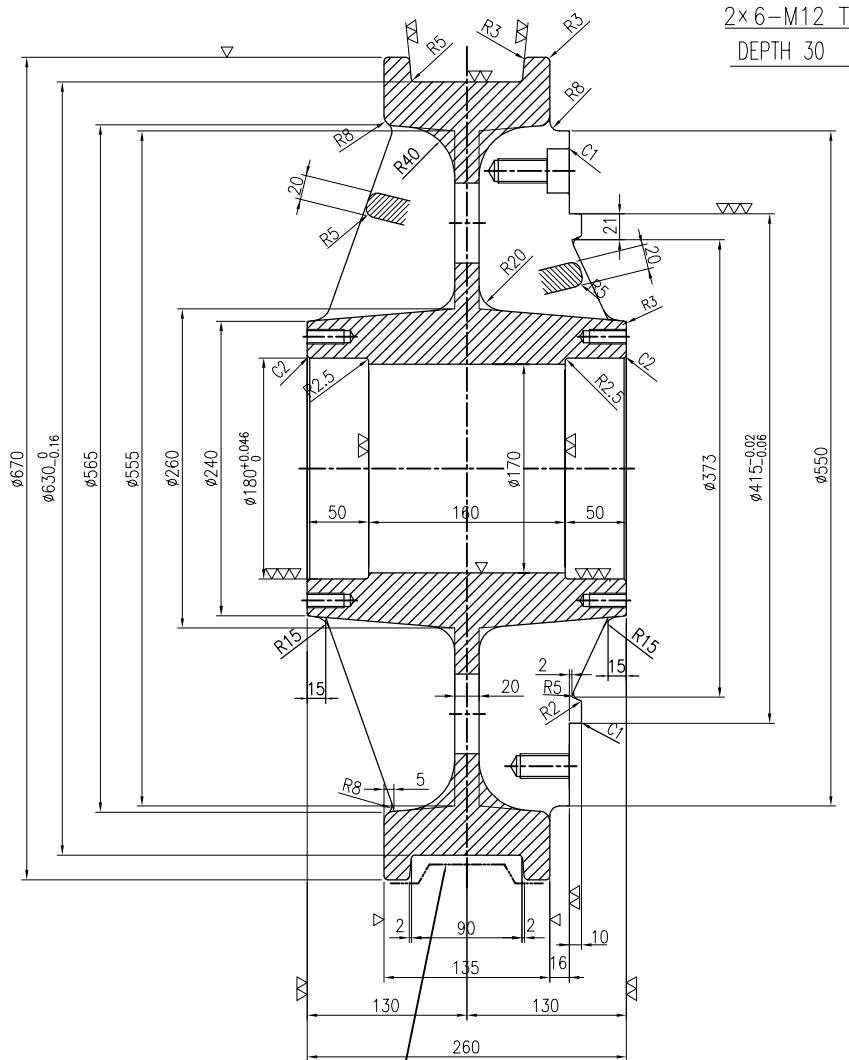
N/S



HIGH FREQUENCY HEAT TREATMENT
(高周波熱処理)
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			#22220
5	KEY PLATE	SS400	2			GFK-19-K
4	BEARING COVER	FC20	4			GFK-19-630-BC
3	COLLAR	FCD40	2			GFK-19-630-C
2	SHAFT	S45CN	2			GFK-19-630-S
1	FOLLOWING WHEEL	SCMn2A	2			GFK-19-630-FW
1	ASS'Y OF FOLLOWING WHEEL		1			
NO.	DESCRIPTIONS	MT'L	SET EA	UNIT	TOTAL	REMARKS
			Q'TY	WEIGHT KG		DATE
PROJECT	GIPFEL KOREA STANDARD					2024.01
TITLE	GFK-630Ø FOLLOWING WHEEL ASS'Y					SCALE N/S
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.		
KIM. J. H			KIM. M. C			
			SHEET NO.	SHEET NO.		
				GFK-19-630-FWA		

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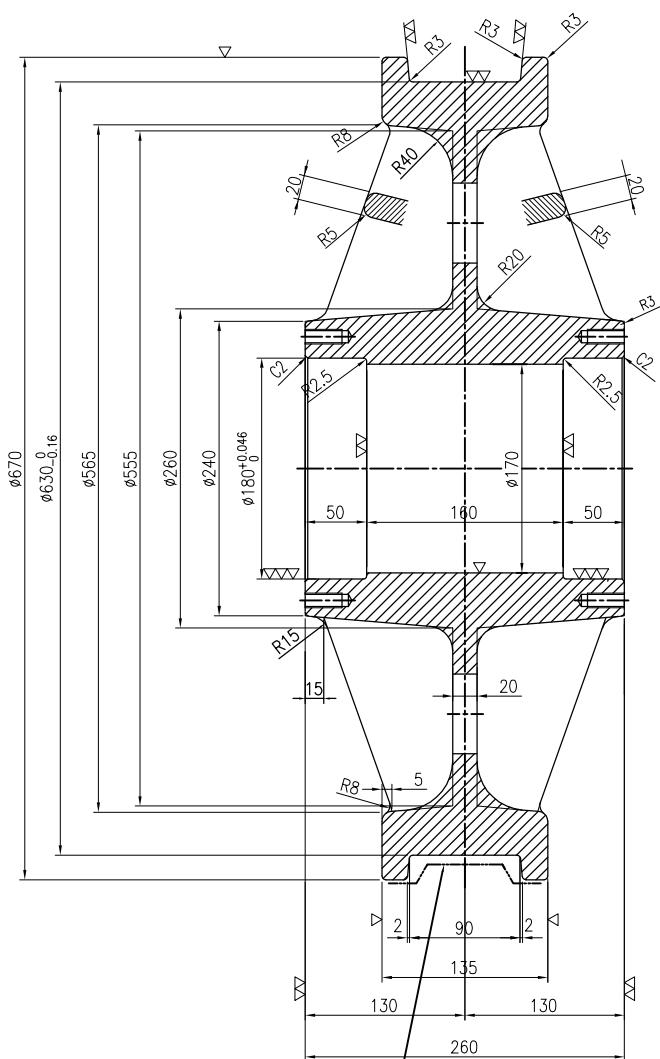


HIGH FREQUENCY HEAT TREATMENT
(高周波熱処理)
DEPTH : 0.3~1.5mm HARDNESS : HS 45~55

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	

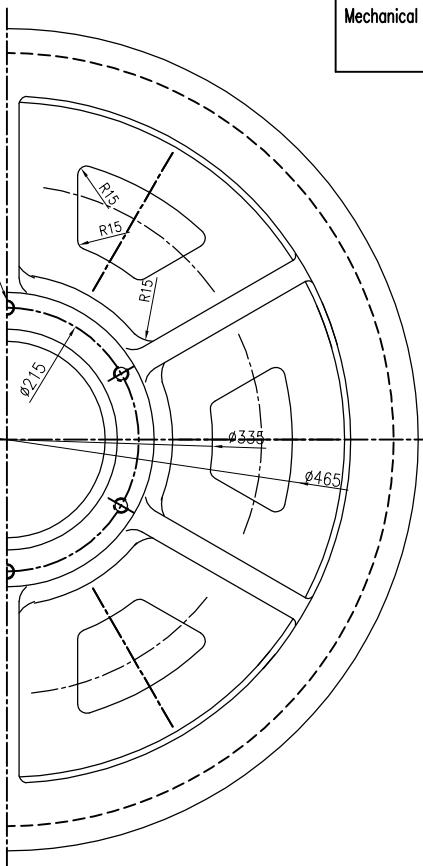
1	DESCRIPTIONS	SCMn2A	1	2					
NO.	MT'L	SET	EA	UNIT	TOTAL				REMARKS
		QTY							DATE
PROJECT	GIPFEL KOREA STANDARD							2024.01	
TITLE	GFK-630Ø DRIVING WHEEL							SCALE 1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				KIM. M. C	
KIM. J. H									
					SHEET NO.	SHEET NO. GFK-19-630-DW			

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

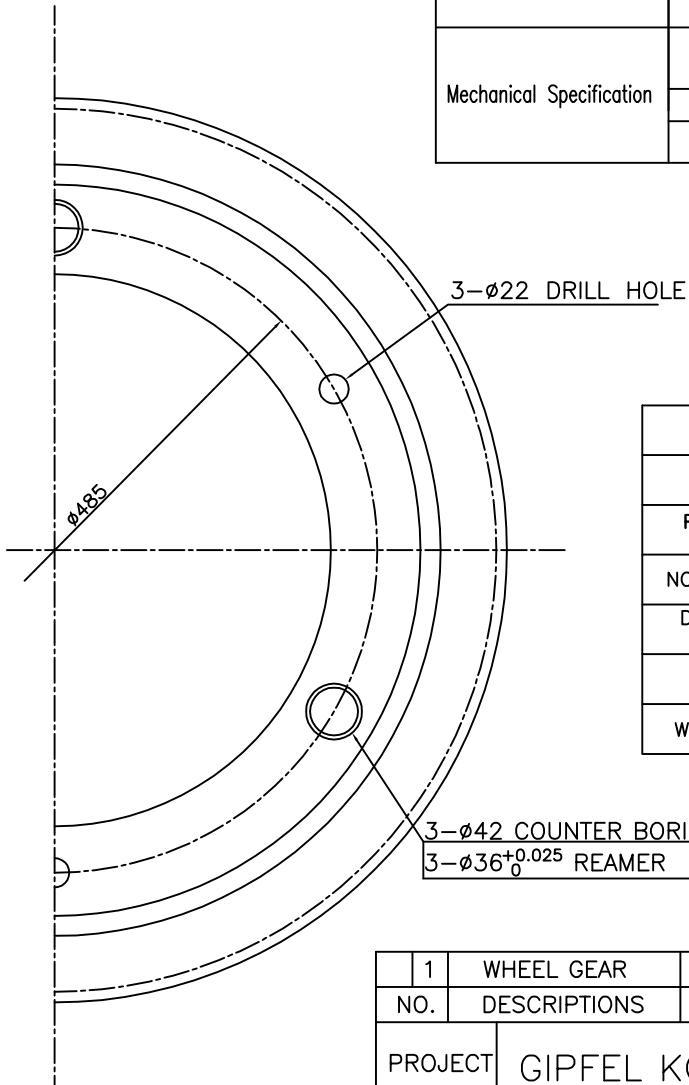
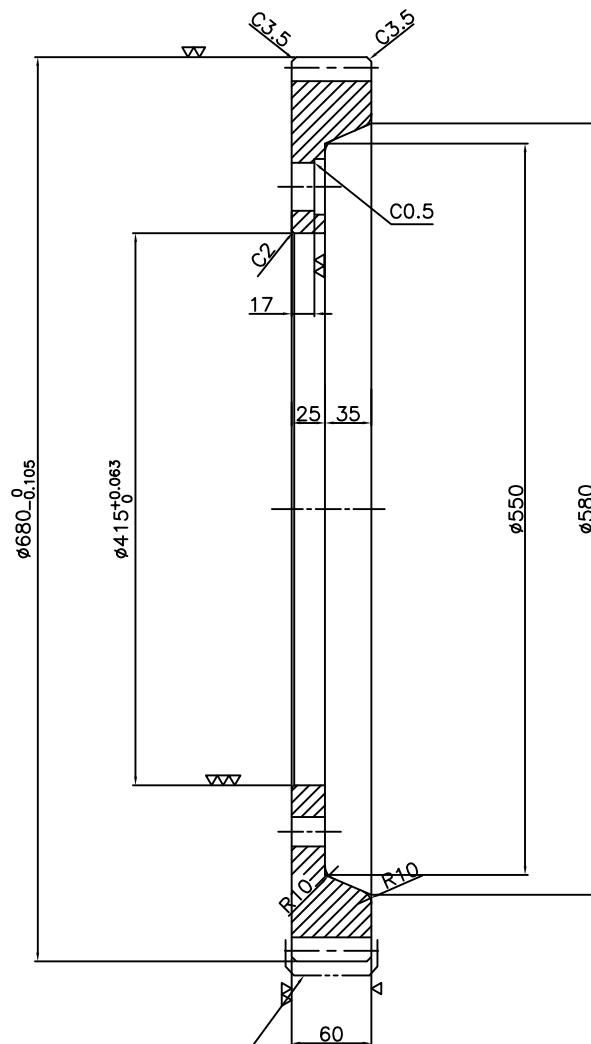
2x6-M12 TAP
DEPTH 30



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

NO.	DESCRIPTIONS	MT'L	1	2	UNIT QT'Y	TOTAL WEIGHT KG	REMARKS
			SET	EA			
PROJECT	GIPFEL KOREA STANDARD						DATE
							2024.01
TITLE	GFK-630Ø						SCALE
	FOLLOWING WHEEL						1:1
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.			
KIM. J. H			KIM. M. C				
 GIPFEL			SHEET NO.	SHEET NO. GFK-19-630-FW			

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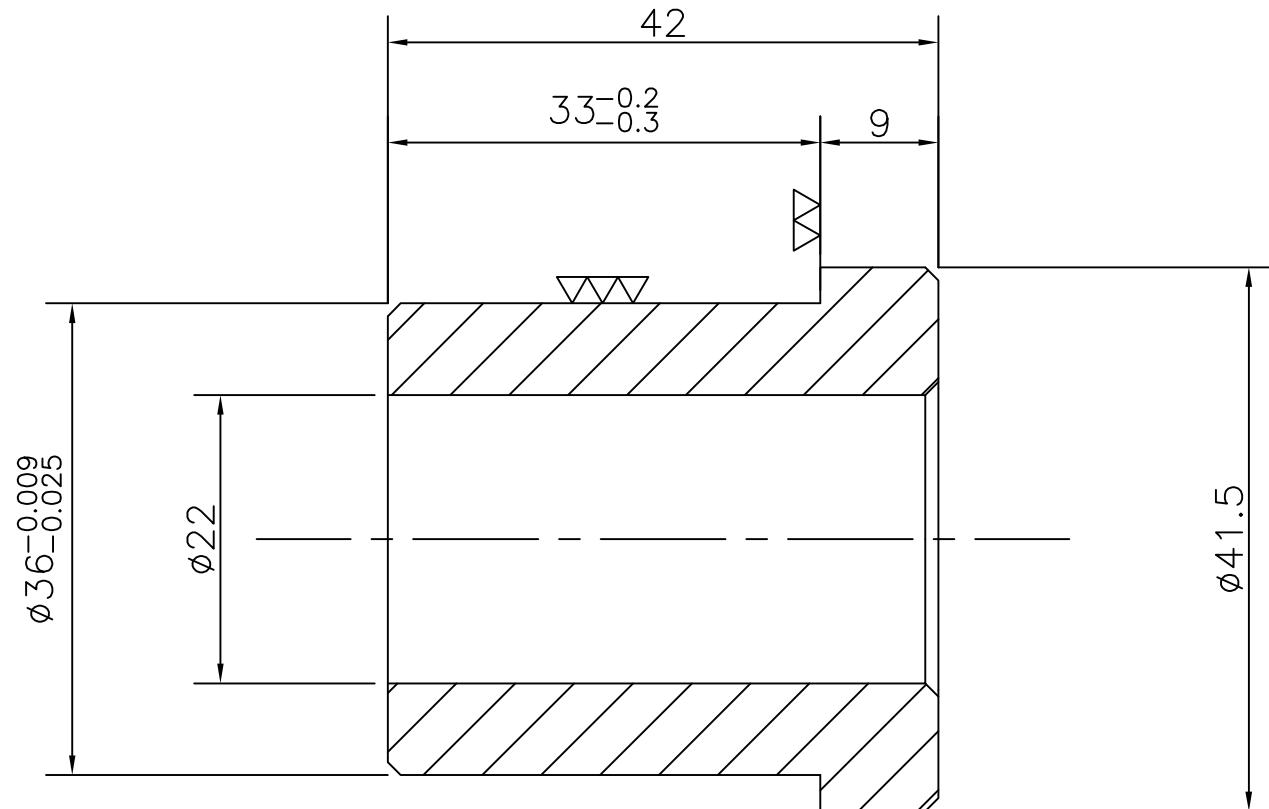


MATERIAL SPECIFICATION				
Material	JIS G 5101 SC49(SC480)			
Material Composition	C	P	S	
	0.4 †	0.040 †	0.040 †	
Mechanical Specification	Y.P (Yield point)	T.S (Tensile strength)	E.L (Elongation)	R.P (Reduction of area)
	MPa	MPa	%	%
Min 245	Min 480	Min 17	Min 25	

GEAR SPECIFICATION		
MODULE	8	10
PRESSURE ANGLE	20°	
NO. OF TEETH	83 ^T	66 ^T
D.O.G.N OF TEETH	10 ^T) 233.66 ^{+0.14} _{-0.55}	8 ^T) 230.65 ^{+0.14} _{-0.55}
P.C.D	ø664	ø660
WHEEL SIZE	ø630	ø630S

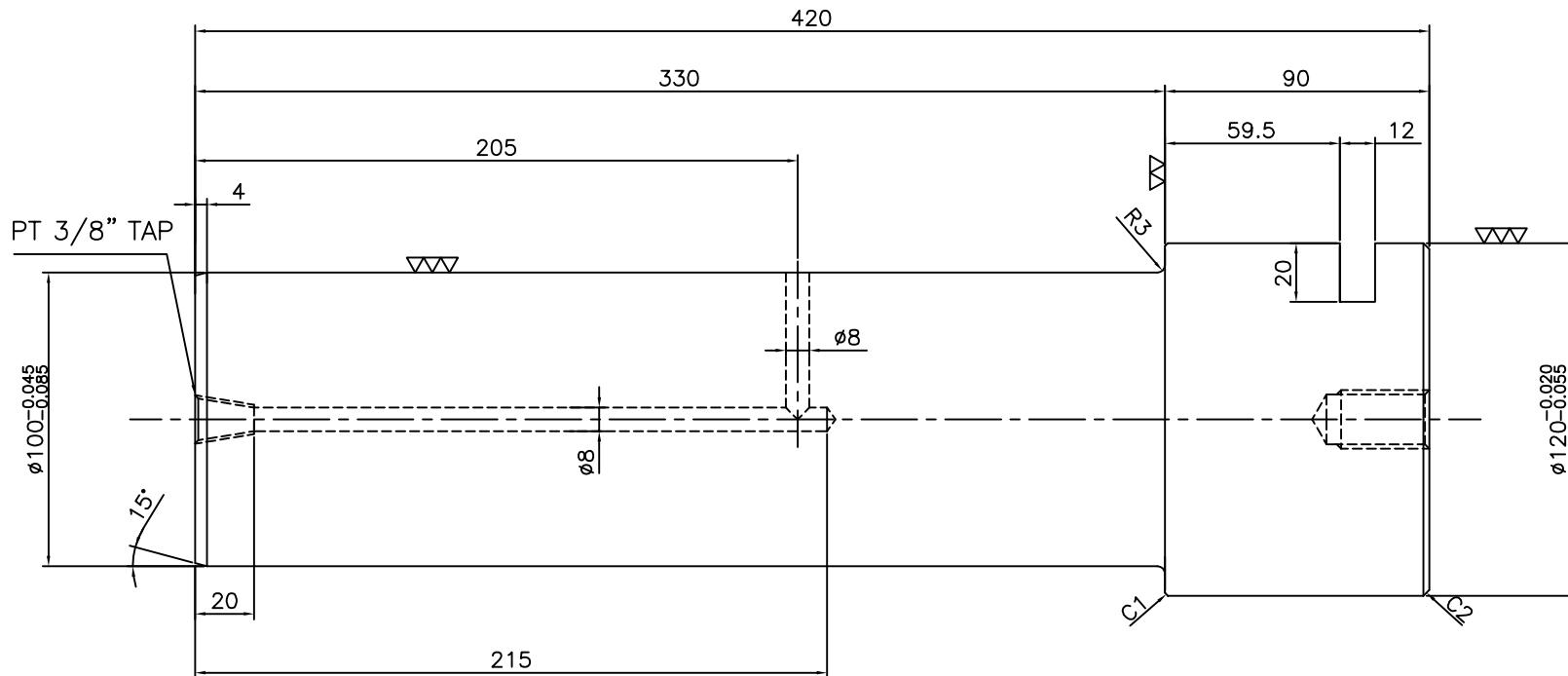
NO.	DESCRIPTIONS	MT'L	1	2	TOTAL	REMARKS			
			SET QTY	EA UNIT					
PROJECT	GIPFEL KOREA STANDARD								
TITLE	GFK-630Ø								
	WHEEL GEAR								
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.					
KIM. J. H			KIM. M. C						
		SHEET NO.	GFK-19-630-WG						

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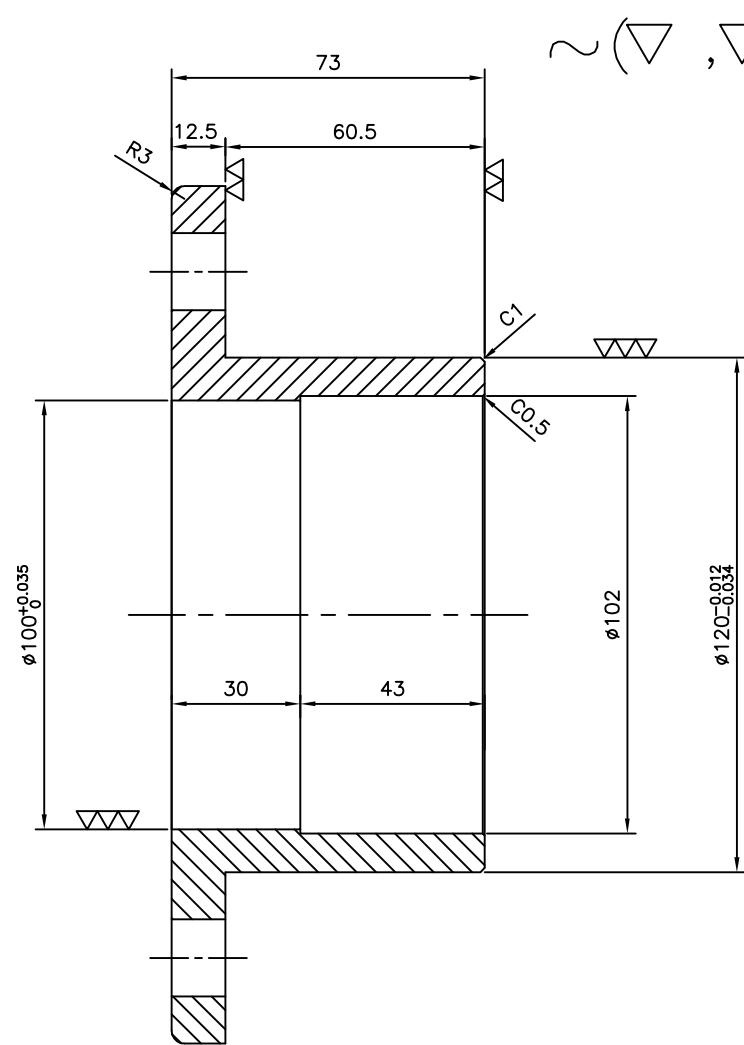


NO.	DESCRIPTIONS	MT'L	1	6	TOTAL WEIGHT KG	REMARKS		
			SET Q'TY	EA				
PROJECT	GIPFEL KOREA STANDARD					DATE 2024.01		
TITLE	GFK-500φ BUSH					SCALE 1:1		
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
		SHEET NO.	SHEET NO. GFK-19-500-BU					

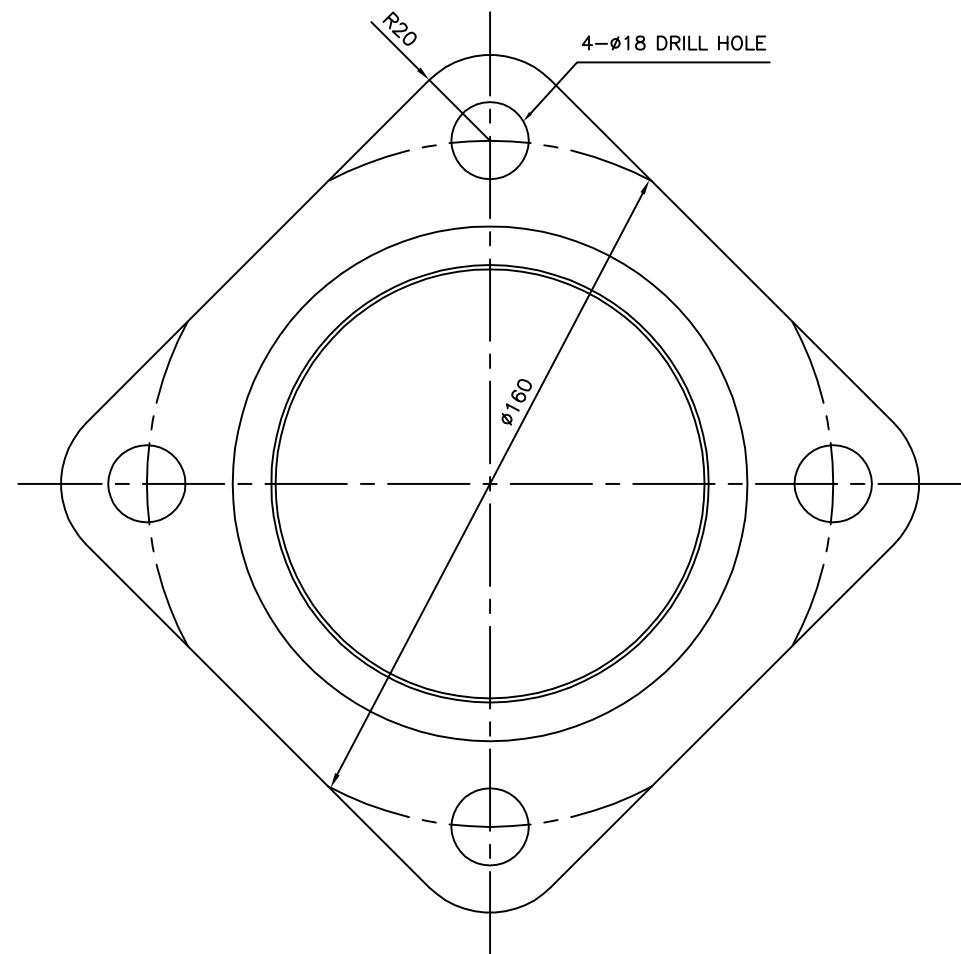
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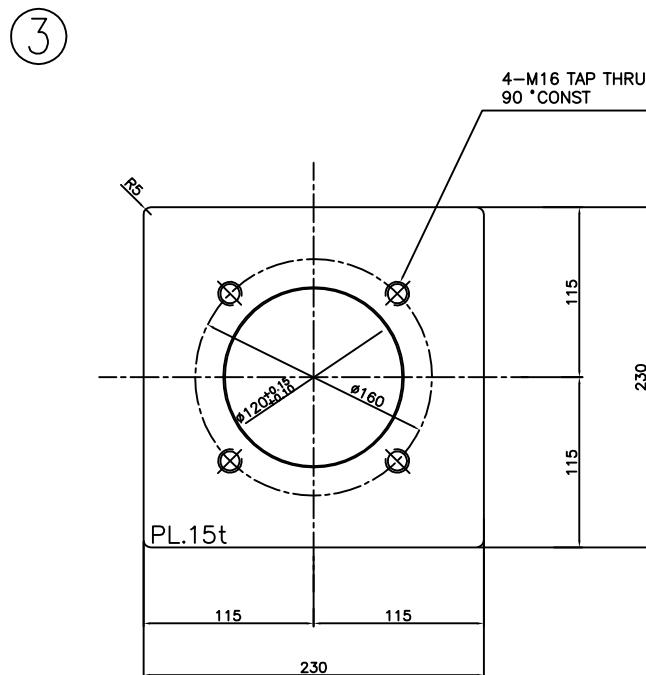
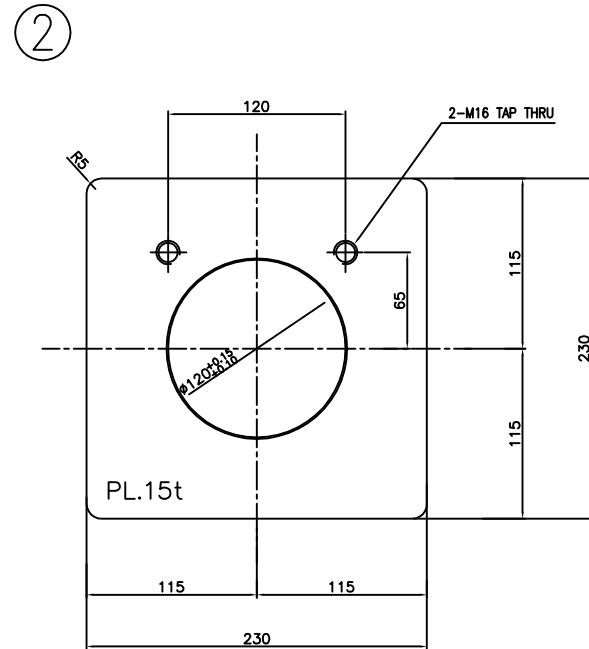
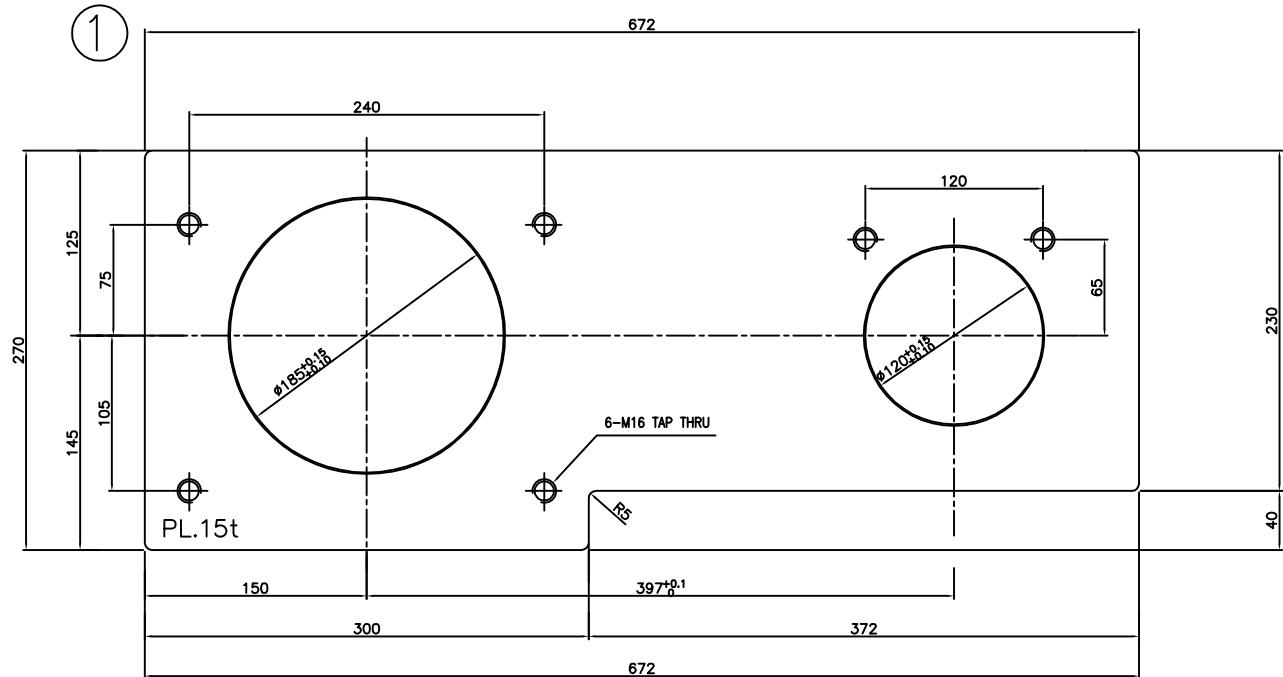
NO.	DESCRIPTIONS	MT'L	1	4	UNIT	TOTAL	REMARKS			
			SET	EA						
PROJECT	GIPFEL KOREA STANDARD			DATE						
				2024.01						
TITLE	GFK-630Ø			SCALE			1:1			
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.						
KIM. J. H			KIM. M. C							
		SHEET NO.	SHEET NO.			GFK-19-630-S				



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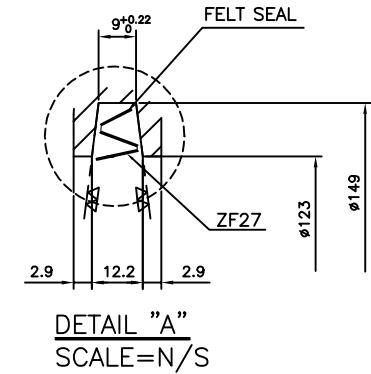
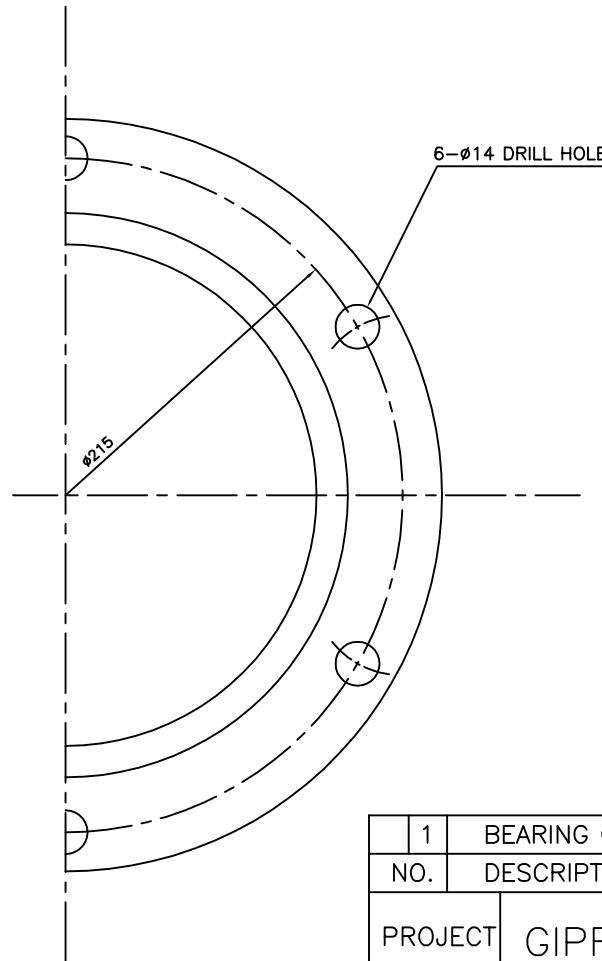
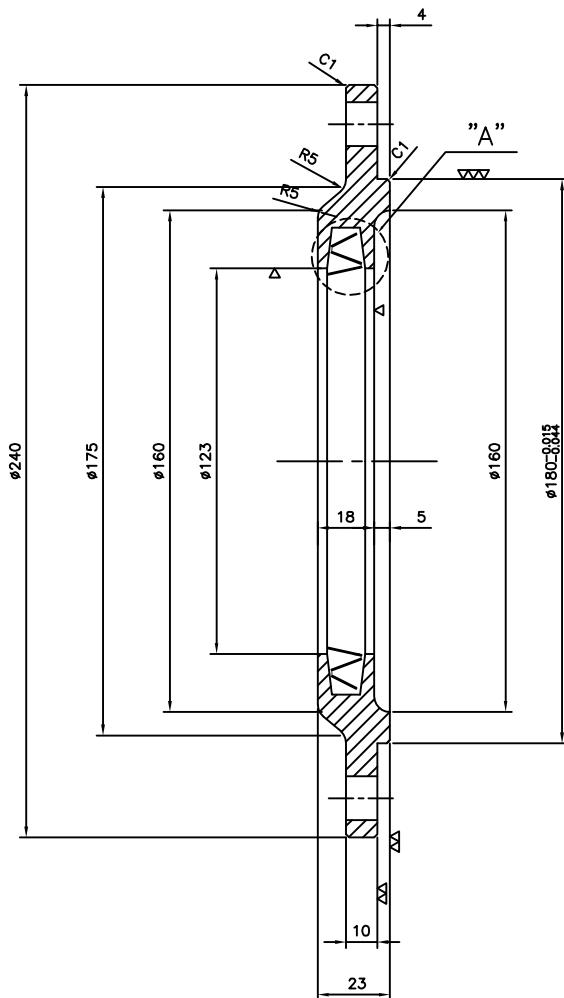
1	COLLAR	FCD40	1	4				
NO.	DESCRIPTIONS	MT'L	SET	EA	UNIT	TOTAL	REMARKS	
			QTY			WEIGHT KG		
PROJECT	GIPFEL KOREA STANDARD						DATE	
							2024.01	
TITLE	GFK-630Ø						SCALE	
	COLLAR						1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.				
KIM. J. H			KIM. M. C					
 GIPFEL			SHEET NO.	SHEET NO.				
				GFK-19-630-C				



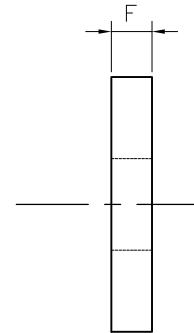
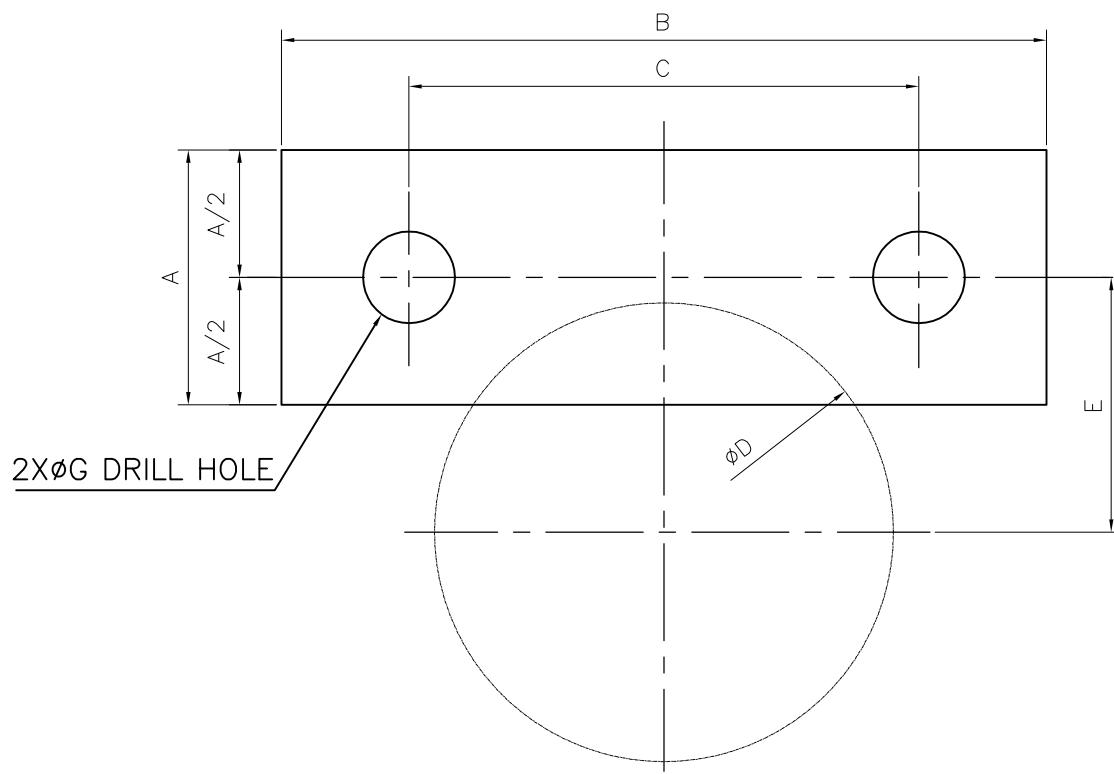
NOTE
BREAK ALL SHARP EDGES OF HOLE C1

NO.	DESCRIPTIONS	MT'L	3	COLLAR PLATE	SS400	4		15t	
			SET	EA	UNIT	TOTAL	REMARKS		
PROJECT			GIPFEL KOREA STANDARD					DATE 2024.01	
TITLE			GFK-630Ø					SCALE 1:1	
DRAWN	DESIGNED	CHECKED	APPROVED	REF DRAWING.					
KIM. J. H				KIM. M. C					
			SHEET NO.	SHEET NO. GFK-19-630-P					

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NO.	DESCRIPTIONS	FC20 MT'L	1 SET QTY	8 EA UNIT				REMARKS
								DATE 2024.01
PROJECT	GIPFEL KOREA STANDARD							SCALE 1:1
TITLE	GFK-630 ϕ BEARING COVER							
DRAWN KIM. J. H	DESIGNED	CHECKED	APPROVED	REF DRAWING. KIM. M. C				
GIPFEL				SHEET NO.	SHEET NO. GFK-19-630-BC			



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						
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				
 GIPFEL		SHEET NO.	SHEET NO.					
								GFK-19-K