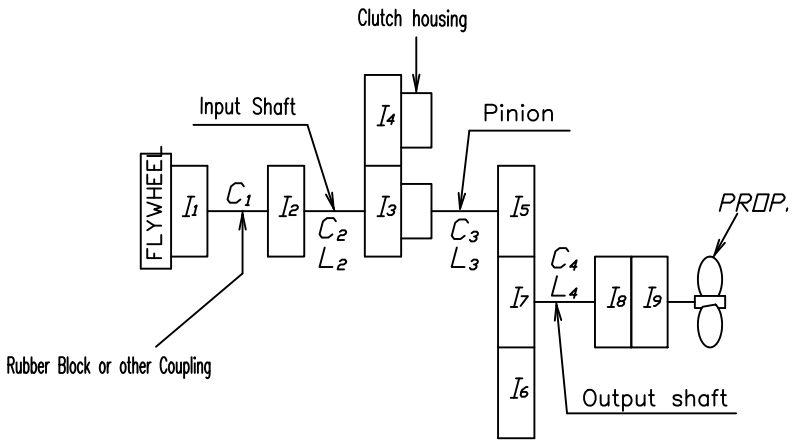
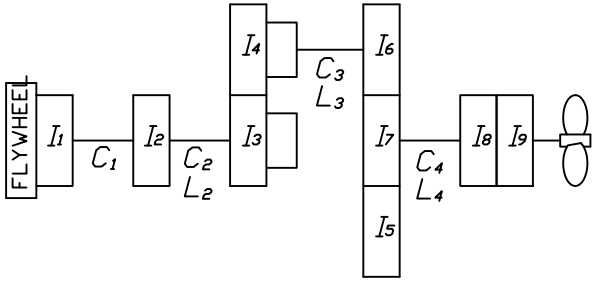
DWG.NO. 195000-2 REV. 003

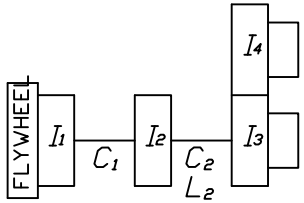
Counter Enginewise Rotation



Enginewise Rotation



Neutral



OPTION 1 ⚠C1

Coupling Type		[Model : CFR-216] SAE# 1-14"					
		5%	10%	25%	50%	75%	100%
I_1 I_2 Flexible Coupling	Driving ring I_1	0.1382	←	←	←	←	←
	Spider $I_①$	0.0293	←	←	←	←	←
	Input coupling $I_②$	0.0046	←	←	←	←	←
	①+② I_2	0.0339	←	←	←	←	←
	C_1	0.0025	0.005	0.0065	0.021	0.044	0.067

Coupling Type		Rubber Block Coupling		Dual Stage Rubber Coupling	
		SAE#2-11.5"	SAE#1-14"		SAE#1-14"
I_1 I_2 Coupling	Driving ring I_1	0.1434	0.6188		0.4537
	Spider $I_①$	0.0356	0.1417		0.1506
	Input coupling $I_②$	0.0050	0.0050		0.0050
	①+② I_2	0.0406	0.1467		0.1556
	C_1	2.06	2.06		2.06

Part		Gear Ratio				
		1.83	2.09	2.51	3.08	3.43
I_5, I_6 Pinion + Disc Plate	Teeth No.	36	33	29	25	23
	L_3	2,883	2,959	3,138	3,883	4,250
	d_0	80.00	←	←	←	←
	Pinion $I_①$	0.0219	0.0162	0.0106	0.0066	0.0051
	Disc $I_②$	0.0050	←	←	←	←
	①+② I_5	0.0269	0.0212	0.0156	0.0116	0.0101
	C_3	3.4015	3.3146	3.1254	2.5255	2.3076
I_7 Wheel	Teeth No.	66	69	73	77	79
	I_7	0.1779	0.2312	0.2776	0.2987	0.3421
I_3 Clutch Housing Assy [Ahead parts]	Teeth No.	39	←	←	←	←
	Ch+Piston+Plate $I_③$	0.0348	←	←	←	←
	Sinterd $I_④$	0.0058	←	←	←	←
	③+④ I_3	0.0406	←	←	←	←
I_4 Clutch Housing Assy [Astern parts]	Teeth No.	39	←	←	←	←
	Ch+Piston+Plate $I_⑤$	0.0348	←	←	←	←
	Sinterd $I_⑥$	0.0058	←	←	←	←
	⑤+⑥ I_4	0.0406	←	←	←	←
I_8 Output Coupling	I_8	0.0714	←	←	←	←
I_9 Companion Coupling	I_9	0.1615	←	←	←	←
Input Shaft	L_2	45,552	←	←	←	←
	d_0	47.95	←	←	←	←
	C_2	0.2153	←	←	←	←
Output Shaft	L_4	4,770	←	←	←	←
	d_0	89.02	←	←	←	←
	C_4	2.0559	←	←	←	←

REMARK

1. I_{xx}=Moment of inertia [kg.m^2]
2. d_o=MIN, Shaft DIA. [mm]
3. L=Equivalent length(Calculated as shaft DIA. of 187.2mm [mm]
4. Stiffness Unit (C_n) [MNm/rad]

SYM.	DESCRIPTION	POSITION	REVISION	DATE	REV'D	APP'D
⚠C1	Centa coupling 추가	D4	003	19.05.09	I.B SHIN	

MATERIAL				TYPE	DMT190H
	DATE 2007.09.04	SCALE N/S		NAME	MASS ELASTIC SYSTEM
APPROVED BY	CHECKED BY	DRAWN I.B.SHIN	DESIGNED	DWG. NO.	1 9 5 0 0 0-2
D-I INDUSTRIAL		SIZE A	CODE ID. NO.	ORIGINAL DWG. NO.	REV. 003

SHEET OF