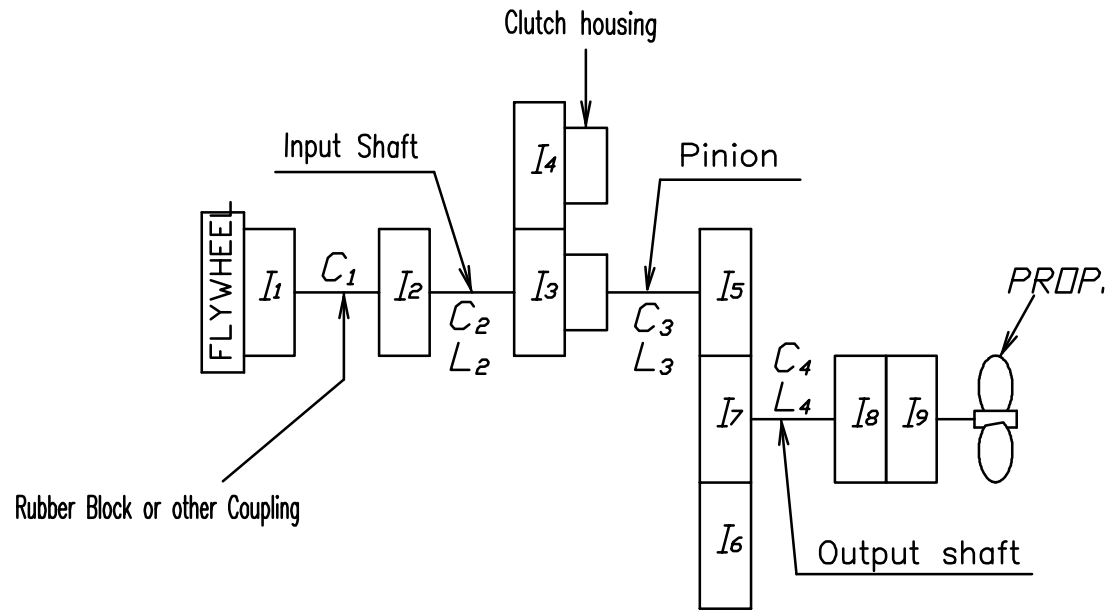
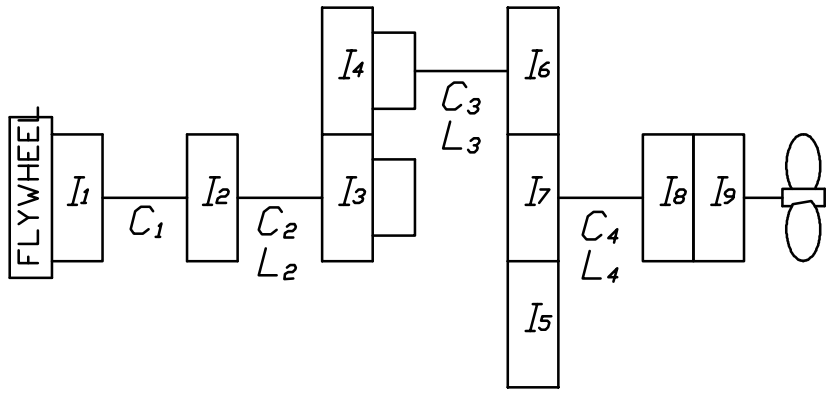
DWG.NO. 100000-2 REV. 001

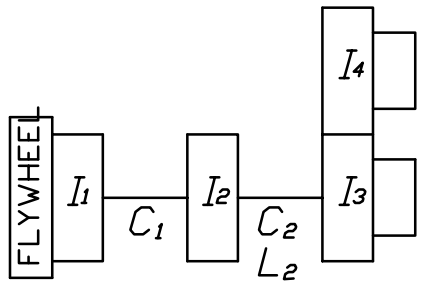
Counter Enginewise Rotation



Enginewise Rotation



Neutral



Coupling Type		% Norminal Torque				
		10%	25%	50%	75%	100%
I_1 I_2 Flexible Coupling [Model : FC 120] SAE#2,3 11.5"	Driving ring I_1	0.1900	←	←	←	←
	Spider I_{xx}	0.0300	←	←	←	←
	Input coupling I_{xx}	0.0023	←	←	←	←
	I_2	0.0323	←	←	←	←
	C_1	0.003	0.008	0.022	0.043	0.074

Coupling Type		Rubber Block Coupling			
		SAE#2-11.5"			
I_1 I_2 Coupling	Driving ring I_1	0.1736			
	Spider I_{xx}	0.0861			
	Input coupling I_{xx}	0.0023			
	I_2	0.0884			
	C_1	2.06			

Part		Gear Ratio					
		5.28	5.94				
I_5 , I_6 Pinion + Disc Plate	Teeth No.	21	19				
	L_3	7,721	8,393				
	d_0	62.00	←				
	Pinion I_{xx}	0.0025	0.0019				
	Disc I_{xx}	0.0014	←				
	I_5	0.0039	0.0033				
	C_3	1.2701	1.1685				
I_7 Wheel	Teeth No.	111	113				
	I_7	0.7716	0.8481				
I_3 Clutch Housing Assy [Ahead parts]	Teeth No.	36	←				
	CH+Piston+Plate I_{xx}	0.0151	←				
	Sinterd I_{xx}	0.0024	←				
	I_3	0.0175	←				
I_4 Clutch Housing Assy [Astern parts]	Teeth No.	36	←				
	CH+Piston+Plate I_{xx}	0.0151	←				
	Sinterd I_{xx}	0.0024	←				
	I_4	0.0175	←				
I_8 Output Coupling	I_8	0.0243	←				
I_9 Companion Coupling	I_9	0.0211	←				
Input Shaft	L_2	85,865	←				
	d_0	42.00	←				
	C_2	0.1142	←				
Output Shaft	L_4	7,738	←				
	d_0	74.02	←				
	C_4	1.2672	←				

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

MATERIAL			
DATE 2007.09.04	SCALE N/S		
APPROVED BY	CHECKED BY	DRAWN	DESIGNED
	Kim Jin Kyeong		

DONG-I IND CO., LTD.

TYPE	DMT100HL	ORIGINAL DWG. NO.	
NAME	MASS ELASTIC SYSTEM		
DWG. NO.	100000-2	REV.	001
SIZE	A3	CODE ID. NO.	

SHEET 1 OF 1