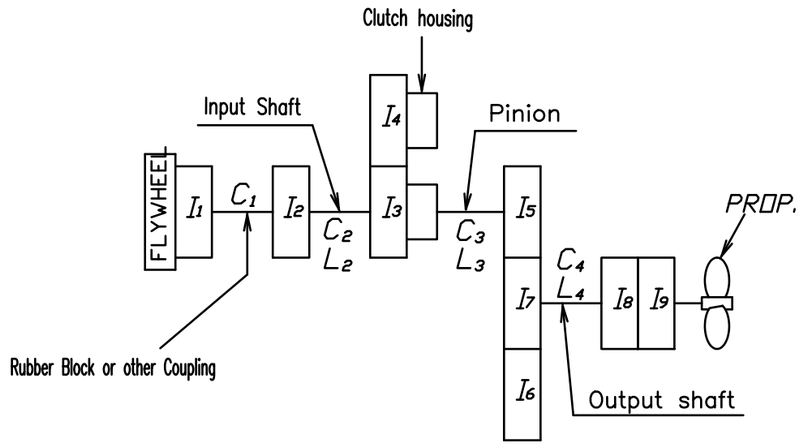
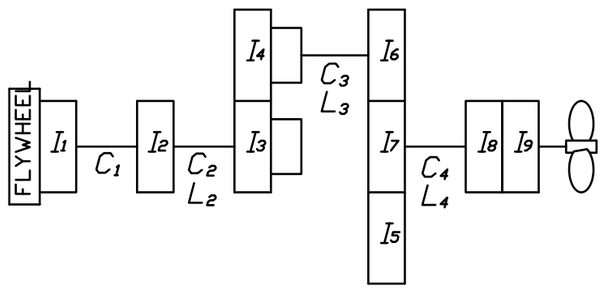
DWG.NO. 430000-2 | REV. 000

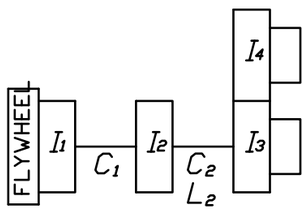
Counter Enginewise Rotation



Enginewise Rotation



Neutral



OPTION 2	Coupling Type		[Model : CFR-420] SAE# 18"					
			5%	10%	25%	55%	75%	100%
I1, I2 Flexible Coupling, Centa Flexible Coupling		Driving ring I①	0.5903	←	←	←	←	←
		Spider I②	0.5563	←	←	←	←	←
		① + ② I1	1.1466	←	←	←	←	←
		C1	0.008	0.0175	0.043	0.163	0.25	0.34
			[Model : CFR-318] SAE# 14"					
		Driving ring I①	0.2272	←	←	←	←	←
		Spider I②	0.1916	←	←	←	←	←
		① + ② I1	0.4688	←	←	←	←	←
		C1	0.006	0.012	0.023	0.074	0.115	0.178

OPTION 1	Coupling Type		Rubber Block Coupling	
			SAE#1–14"	SAE#0–18"
I1, I2 Coupling		Driving ring I1	0.7151	1.5513
		Spider I⑦	0.4933	←
		Input coupling I⑧	0.0300	←
		⑦ + ⑧ I2	0.5233	←
		C1	2.06	←

Part		Gear Ratio				
		2.06	2.44	2.93	3.23	3.4
I5, I6 Pinion + Disc Plate	Teeth No.	36	35	28	26	25
	L3	683.1	747.9	877.5	994.2	1378.9
	d0	119.0	←	←	←	←
	Pinion I①	0.082	0.055	0.036	0.028	0.025
	Disc I②	0.0178	←	←	←	←
	① + ② I5	0.0998	0.0728	0.0538	0.0458	0.0428
	C3	14.356	13.112	11.176	9.864	7.112
I7 Wheel	Teeth No.	74	78	82	84	85
	I7	0.895	1.174	1.498	1.678	1.773
I3 Clutch Housing Assy [Ahead parts]	Teeth No.	44	←	←	←	←
	C/H+Piston+Plate I③	0.1726	←	←	←	←
	Sinterd I④	0.0205	←	←	←	←
	③ + ④ I3	0.1931	←	←	←	←
I4 Clutch Housing Assy [Astern parts]	Teeth No.	44	←	←	←	←
	C/H+Piston+Plate I⑤	0.1726	←	←	←	←
	Sinterd I⑥	0.0205	←	←	←	←
	⑤ + ⑥ I4	0.1931	←	←	←	←
I8 Output Coupling	I8	0.2206	←	←	←	←
I9 Companion Coupling	I9	0.2445	←	←	←	←
Input Shaft	L2	14,218	←	←	←	←
	d0	72.00	←	←	←	←
	C2	0.6897	←	←	←	←
Output Shaft	L4	1,674	←	←	←	←
	d0	139.04	←	←	←	←
	C4	5.857	←	←	←	←

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		TYPE	DMT430H
DATE 2007.09.04	SCALE		ORIGINAL DWG. NO.
APPROVED BY	CHECKED BY DRAWN Kim.J.K DESIGNED	NAME	MASS ELASTIC SYSTEM
D-I IND CO., LTD.		DWG. NO. 430000-2	REV. 000
		SIZE A	CODE ID. NO.

6 SHEET OF

Dongi R&D–002(420 × 297)