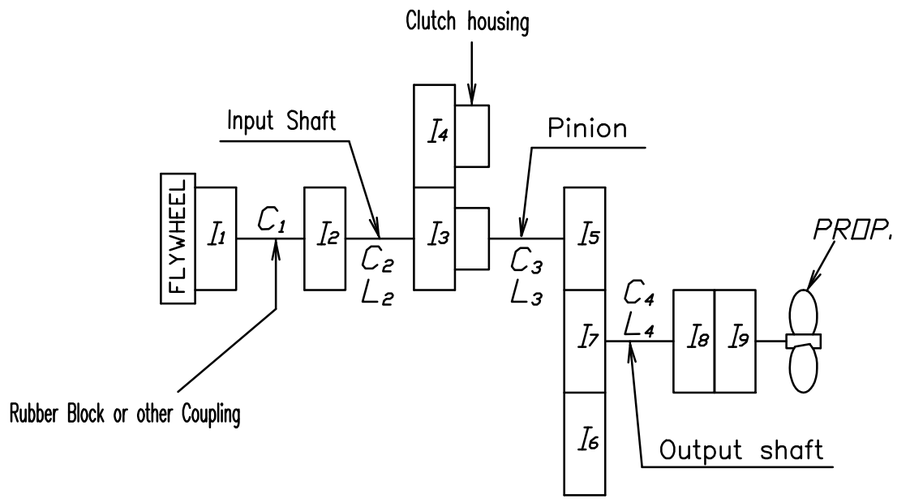
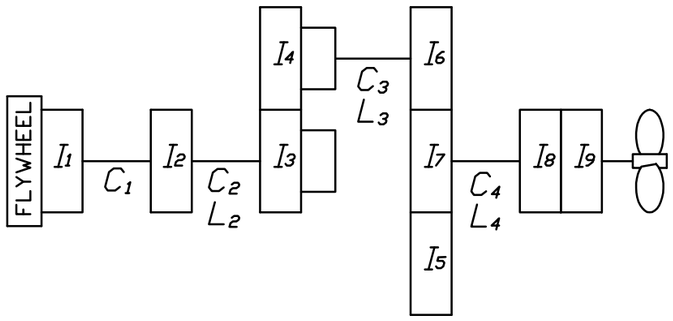
DWG.NO. 240000-2 | REV. 003

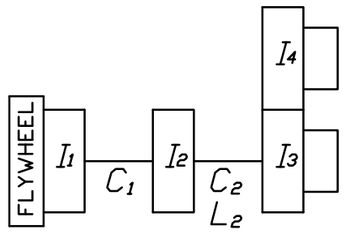
Counter Enginewise Rotation



Enginewise Rotation



Neutral



Coupling Type 3 — Centa Flexible Coupling

		5%	10%	25%	50%	75%	100%
		SAE# 1–14"					
I1, I2 Centa Flexible Coupling	Driving ring I①	0.2276	←	←	←	←	←
	Spider I②	0.2139	←	←	←	←	←
	① + ② I1	0.4415	←	←	←	←	←
	C1	0.004	0.008	0.015	0.047	0.085	0.122
		SAE# 0–18"					
	Driving ring I①	0.2276	←	←	←	←	←
	Spider I②	0.2139	←	←	←	←	←
	① + ② I1	0.4415	←	←	←	←	←
	C1	0.004	0.008	0.015	0.047	0.085	0.122

Coupling Type 2 — HC Coupling

		[Model : HC 4000] SAE# 1–14"		[Model : HC 4000] SAE# 0–18"		[Model : HC 8000] SAE# 0–18"
		HS 60	HS 65	HS 60	HS 65	HS 57
I1, I2 Flexible Coupling	Driving ring I①	0.2570	←	0.2570	←	0.8999
	Outter Stopper I②	0.4405	←	1.4938	←	1.0109
	① + ② I1	0.6975	←	1.7508	←	1.9108
	Spider I③	0.4082	←	0.4082	←	0.7898
	Dummy I④	0.0765	←	0.0765	←	0.2610
	Input coupling I⑤	0.0168	←	0.0168	←	0.0168
	Inner Stopper I⑥	0.1161	←	0.1161	←	0.2949
	③+④+⑤+⑥ I2	0.6176	←	0.6176	←	1.3625
	C1	0.029	0.040	0.029	0.040	0.067

Coupling Type 1 — Rubber Coupling

		Rubber Block Coupling	
		SAE#1–14"	SAE#0–18"
I1, I2 Coupling	Driving ring I1	0.4123	1.1907
	Spider I⑦	0.4275	←
	Input coupling I⑧	0.0168	←
	⑦ + ⑧ I2	0.4443	←
	C1	2.06	←

Part		Gear Ratio 1.50	1.97	2.44	2.93	3.40
I5, I6 Pinion + Disc Plate	Teeth No.	44	37	32	28	25
	L3	1,408	1,503	1,659	2,009	2,448
	do	98.00	←	←	←	←
	Pinion I①	0.0565	0.0312	0.0193	0.0127	0.0089
	Disc I②	0.0096	←	←	←	←
	① + ② I5	0.0661	0.0408	0.0289	0.0223	0.0185
	C3	6.9670	6.5249	5.9095	4.8805	4.0058
I7 Wheel	Teeth No.	66	73	78	82	85
	I7	0.2403	0.3431	0.4366	0.5469	0.5939
I3 Clutch Housing Assy [Ahead parts]	Teeth No.	38	←	←	←	←
	Clt+Piston+Plate I⑨	0.0742	←	←	←	←
	Sinterd I④	0.0100	←	←	←	←
	③ + ④ I3	0.0842	←	←	←	←
I4 Clutch Housing Assy [Astern parts]	Teeth No.	38	←	←	←	←
	Clt+Piston+Plate I⑨	0.0742	←	←	←	←
	Sinterd I⑥	0.0100	←	←	←	←
	⑤ + ⑥ I4	0.0842	←	←	←	←
I8 Output Coupling	I8	0.0844	←	←	←	←
I9 Companion Coupling	I9	0.1622	←	←	←	←
Input Shaft	L2	28,172	←	←	←	←
	do	57.00	←	←	←	←
	C2	0.3481	←	←	←	←
Output Shaft	L4	3,875	←	←	←	←
	do	94.02	←	←	←	←
	C4	2.5307	←	←	←	←

REMARK

1. Ixx=Moment of inertia [kg.m²]
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 Flexible Coupling 추가	D4	003	16.09.23	IB.Shin	
B1	Coupling HC-8000 → 0-18 추가	D4	002	09.12.24		
A1	Coupling HC-4000 → 1-14, 0-18 추가	D4	001	09.12.24		

MATERIAL | DATE 2016.09.23 | SCALE

APPROVED BY | CHECKED BY Kim.JinKyong | DRAWN | DESIGNED

D-I INDUSTRIAL

TYPE DMT240H | ORIGINAL DWG. NO.

NAME **MASS ELASTIC SYSTEM**

DWG. NO. 240000-2 | REV. 003

SIZE A | CODE ID. NO.

6 SHEET OF

Dongi R&D-002(420 × 297)