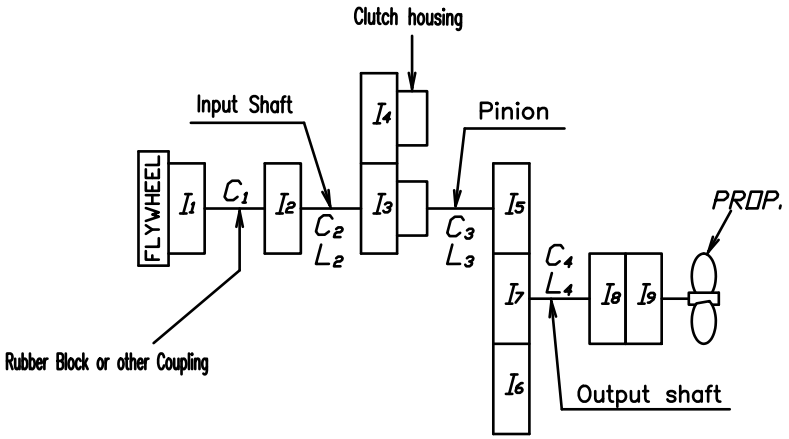
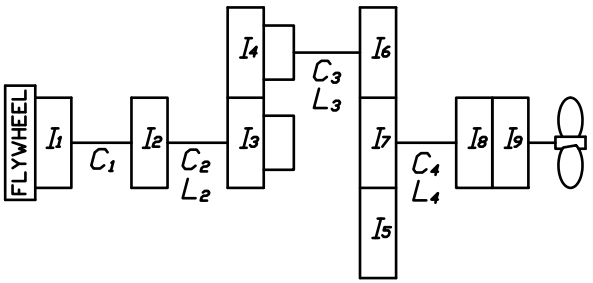
DWG.NO. 280000-2 REV. 003

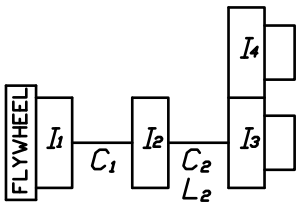
Counter Enginewise Rotation



Enginewise Rotation



Neutral



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]

Coupling Type 3 — Centa Flexible Coupling

		[Model : CTR-280] SAE# 1-14"					
		5%	10%	25%	50%	75%	100%
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
		[Model : CTR-280] 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
	Outer 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	0.0273	←	0.0273	←	0.0273
	Inner Stopper I⑥	0.1161	←	0.1161	←	0.2949
	③+④+⑤+⑥ I2	0.6281	←	0.6281	←	1.3730
	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	0.0273	←
	⑦+⑧ I2	0.4549	←
	C1	2.06	←

Part		Gear Ratio				
		5.11	5.62	5.91	6.57	6.95
I5, I6 Pinion + Disc Plate	Teeth No.	26	24	23	21	20
	L3	2,424	2,567	2,667	2,955	3,177
	do	98.00	←	←	←	←
	Pinion I⑨	0.0244	0.0192	0.0170	0.0132	0.0117
	Disc I⑩	0.0108	←	←	←	←
	⑨+⑩ I5	0.0352	0.0300	0.0278	0.0240	0.0225
	C3	5.6556	5.0944	4.7744	4.0591	3.6702
I7 Wheel	Teeth No.	133	135	136	138	139
	I7	9.4571	10.0944	10.4237	11.1039	11.4550
I3 Clutch Housing Assy [Ahead parts]	Teeth No.	38	←	←	←	←
	Clt+Piston+Plate I⑪	0.0783	←	←	←	←
	Sinterd I⑫	0.0111	←	←	←	←
	⑪+⑫ I3	0.0894	←	←	←	←
I4 Clutch Housing Assy [Astern parts]	Teeth No.	38	←	←	←	←
	Clt+Piston+Plate I⑬	0.0783	←	←	←	←
	Sinterd I⑭	0.0111	←	←	←	←
	⑬+⑭ I4	0.0894	←	←	←	←
I8 Output Coupling	I8	0.3249	←	←	←	←
I9 Companion Coupling	I9	0.4825	←	←	←	←
Input Shaft	L2	35,153	←	←	←	←
	do	60.00	←	←	←	←
	C2	0.2790	←	←	←	←
Output Shaft	L4	1,921	←	←	←	←
	do	120.0	←	←	←	←
	C4	5,1026	←	←	←	←

MATERIAL			TYPE	DMTP6500	ORIGINAL DWG. NO.
DATE 2016.09.23	SCALE		NAME	MASS ELASTIC SYSTEM	
APPROVED BY	CHECKED BY	DRAWN / DESIGNED	DWG. NO.	650000-2	REV. 003
	Kim Jin Kyeong		SIZE	A	CODE ID. NO.
D-I INDUSTRIAL					SHEET OF

Dongi R&D-002(420 × 297)