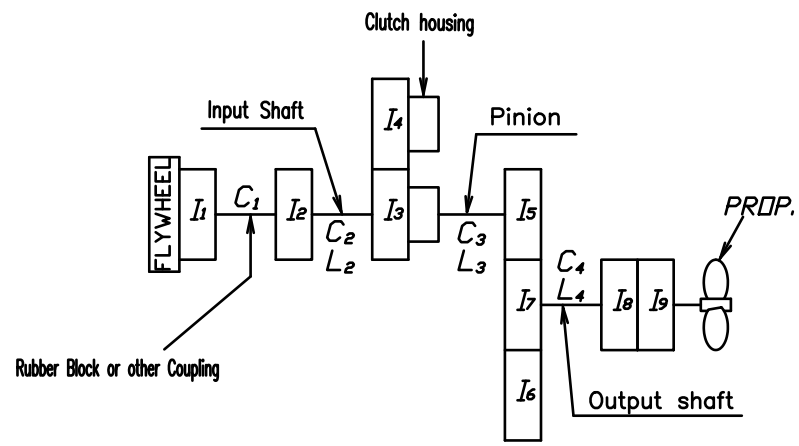
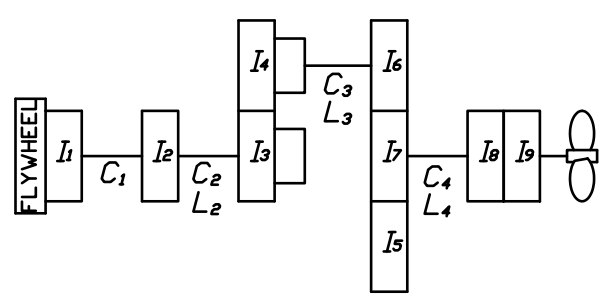


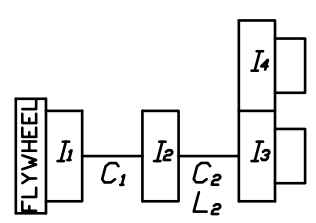
### Counter Enginewise Rotation



### Enginewise Rotation



### Neutral



#### REMARK

1.  $I_x$  = Moment of inertia [kg.m<sup>2</sup>]
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]

Centa Flexible Coupling		Model : CR-300 SAEJ 1-14"					
		5%	10%	25%	50%	75%	100%
$I_1$ $I_2$	Driving ring $I_1$	0.2276	←	←	←	←	←
	Spider $I_2$	0.2139	←	←	←	←	←
	$\oplus + \oplus$ $I_1$	0.4415	←	←	←	←	←
	$C_1$	0.004	0.008	0.015	0.047	0.085	0.122

HC Coupling		Model : HC 4000 SAEJ 1-14"		Model : HC 4000 SAEJ 0-18"		Model : HC 4000 SAEJ 0-18"	
		HS 60	HS 65	HS 60	HS 65	HS 57	
$I_1$ $I_2$	Driving ring $I_1$	0.2570	←	0.2570	←	0.8999	
	Outer Stopper $I_2$	0.4405	←	1.4938	←	1.0109	
	$\oplus + \oplus$ $I_1$	0.6975	←	1.7508	←	1.9108	
	Spider $I_2$	0.4082	←	0.4082	←	0.7898	
	Dummy $I_2$	0.0765	←	0.0765	←	0.2610	
	Input coupling $I_2$	0.0199	←	0.0199	←	0.0199	
	Inner Stopper $I_2$	0.1161	←	0.1161	←	0.2949	
	$\oplus + \oplus + \oplus$ $I_1$	0.6207	←	0.6207	←	0.6207	
$C_1$	0.029	0.040	0.029	0.040	0.067		

Rubber Coupling		Rubber Block Coupling	
		SAE#1-14"	SAE#0-18"
$I_1$ $I_2$	Driving ring $I_1$	0.4123	1.1907
	Spider $I_2$	0.4276	←
	Input coupling $I_2$	0.0199	←
	$\oplus + \oplus$ $I_2$	0.4475	←
$C_1$	2.06	←	

Part		Gear Ratio				
		3.56	4.13	4.59	2.61	3.10
$I_5, I_6$	Teeth No.	27	24	22	34	30
	$L_3$	2,012	2,238	2,540	1,800	1,889
	$d_o$	98.00	←	←	←	←
	Pinion $I_5$	0.0267	0.0180	0.0132	0.0591	0.0382
	Disc $I_6$	0.0108	←	←	←	←
	$\oplus + \oplus$ $I_5$	0.0375	0.0288	0.0240	0.0699	0.0490
$I_7$ Wheel	$C_3$	4.8753	4.3811	3.8606	5.4473	5.1913
	Teeth No.	96	99	101	89	93
$I_3$ Clutch Housing Assy [Ahead parts]	$I_7$	1.8429	2.0174	2.1500	1.4470	1.6348
	Teeth No.	38	←	←		
$I_4$ Clutch Housing Assy [Astern parts]	Clutch Plate $I_3$	0.0783	←	←		
	Sinterd $I_3$	0.0111	←	←		
	$\oplus + \oplus$ $I_3$	0.0894	←	←		
$I_8$ Output Coupling	Teeth No.	38	←	←		
	Clutch Plate $I_8$	0.0783	←	←		
	Sinterd $I_8$	0.0111	←	←		
$I_9$ Companion Coupling	$\oplus + \oplus$ $I_8$	0.0894	←	←		
	$I_8$	0.2880	←	←		
	$I_9$	0.2804	←	←		
Input Shaft	$L_2$	20,417.5	←	←		
	$d_o$	60.0	←	←		
	$C_2$	0.4803	←	←		
Output Shaft	$L_4$	2,061.3	←	←		
	$d_o$	109.0	←	←		
	$C$	4.7575	←	←		

MATERIAL				TYPE		ORIGINAL DWG. NO.	
DATE 2016.09.23		SCALE		DMT300HL			
APPROVED BY	CHECKED BY	DRAWN	DESIGNED	NAME		MASS ELASTIC SYSTEM	
Kim Jin Young		KS.Han		DWG. NO.		3 0 0 0 0 0-2	
D-I INDUSTRIAL				SIZE	A	CODE ID. NO.	
						REV. 002	