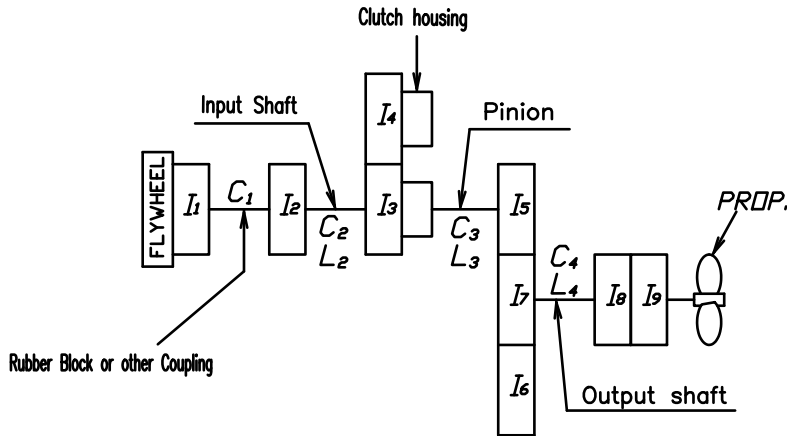
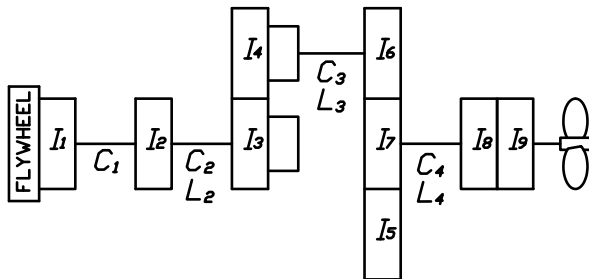


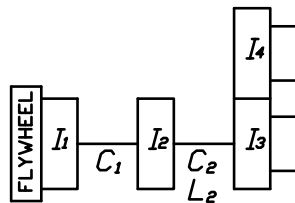
Counter Enginewise Rotation



Enginewise Rotation



Neutral



REMARK

1.  $I_{\alpha}$  = 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		SAE# 1-14"						
		5%	10%	25%	50%	75%	100%			
Coupling Type 3	$I_i$ $I_e$ Centa Flexible Coupling	Driving ring $I_{\oplus}$	0.2276	←	←	←	←	←	←	
		Spider $I_{\ominus}$	0.2139	←	←	←	←	←	←	
		$\oplus + \ominus$ $I_i$	0.4415	←	←	←	←	←	←	
		$C_i$	0.004	0.008	0.015	0.047	0.085	0.122		
				SAE# 0-18"						
Coupling Type 2	$I_i$ $I_e$ Flexible Coupling	Driving ring $I_{\oplus}$	0.2276	←	←	←	←	←	←	
		Spider $I_{\ominus}$	0.2139	←	←	←	←	←	←	
		$\oplus + \ominus$ $I_i$	0.4415	←	←	←	←	←	←	
		$C_i$	0.004	0.008	0.015	0.047	0.085	0.122		
		[Modul : HC 4000] SAE# 1-14"		[Modul : HC 4000] SAE# 0-18"		[Modul : HC 4000] SAE# 0-18"				
Coupling Type 1	$I_i$ $I_e$ Coupling	Rubber Coupling		Rubber Block Coupling						
				SAE#1-14"	SAE#0-18"					
		Driving ring $I_i$	$I_e$	0.4123	1.1907					
		Spider $I_{\ominus}$	$I_{\oplus}$	0.4275	←					
		Input coupling $I_{\oplus}$	$I_{\ominus}$	0.0168	←					
		$\oplus + \ominus$ $I_e$	$I_i$	0.4443	←					
		$C_i$	$C_e$	2.06	←					

Part		Gear Ratio					
		1.50	1.97	2.44	2.93	3.40	
$I_5, I_6$	Teeth No.	44	37	32	28	25	
	$L_3$	1,408	1,503	1,659	2,009	2,448	
	$d_o$	98.00	←	←	←	←	
	Pinion $I_{\oplus}$	0.0565	0.0312	0.0193	0.0127	0.0089	
	Disc $I_{\ominus}$	0.0096	←	←	←	←	
$I_7$ Wheel	Teeth No.	66	73	78	82	85	
	$I_7$	0.2403	0.3431	0.4366	0.5469	0.5939	
	$I_3$ Clutch Housing Assy [Ahead parts]	Teeth No.	38	←	←	←	←
		Clutch Plate $I_{\oplus}$	0.0742	←	←	←	←
		Sintered $I_{\ominus}$	0.0100	←	←	←	←
$\oplus + \ominus$ $I_3$		0.0842	←	←	←	←	
$I_4$ Clutch Housing Assy [Astern parts]	Teeth No.	38	←	←	←	←	
	Clutch Plate $I_{\oplus}$	0.0742	←	←	←	←	
	Sintered $I_{\ominus}$	0.0100	←	←	←	←	
$I_8$ Output Coupling	$I_8$	0.0844	←	←	←	←	
	$I_9$ Companion Coupling	$I_9$	0.1622	←	←	←	←
Input Shaft		$L_2$	28,172	←	←	←	←
	$d_o$	57.00	←	←	←	←	
	$C_2$	0.3481	←	←	←	←	
Output Shaft	$L_4$	3,875	←	←	←	←	
	$d_o$	94.02	←	←	←	←	
	$C_4$	2.5307	←	←	←	←	

MATERIAL		DATE		SCALE		TYPE		ORIGINAL DWG. NO.	
		2016.09.23				DMT240H			
APPROVED BY		CHECKED BY		DRAWN		DESIGNED		NAME	
		Kim Jiyoung						MASS ELASTIC SYSTEM	
								DWG. NO.	
								2 4 0 0 0 0-2	
								REV.	
								003	
D-I INDUSTRIAL		SIZE		A		CODE ID. NO.			